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Product catalog chairside

Edition 2026

Making People Smile

Contents

Shade selection

Chromascop® shade guide

The Chromascop® shade guide is used to select tooth shades according to the Chromascop shade system.

The 20 shades are divided into five clearly arranged shade groups.

Delivery forms

Chromascop shade guide	1x	529479

A–D shade guide with Bleach shades

The A–D shade guide is an instrument for the selection of tooth shades according to the A–D and Bleach shade system.

The 16 basic shades in the shade groups A, B, C and D, supplemented by the 4 modern Bleach shades BL 1 to BL 4, are practical to use and represent the ideal tool for dentists and dental technicians.

Delivery forms

A–D shade guide

Complete (16 and 4 shades)	1x	628587
Bleach (4 shades)	1x	628605

IPS® Natural Die Material shade guide

Determination of the preparation shade in the fabrication of all-ceramic restorations

The IPS Natural Die Material shade guide is used to determine the shade of the preparation. The shade is selected on the basis of the most severely discoloured part of the prepared tooth.

The IPS Natural Die Material allows you to fabricate a customized model die similar to the prepared tooth structure of the patient, with which you can then accurately select the shade and brightness of all-ceramic restorations.

Indications:

Determination of the preparation shade after tooth preparation

Benefits:

✓ Easy and accurate reproduction of shades due to having determined the preparation shade
✓ Fabrication of a customized model die
✓ Autoclavable shade guide

Shades:

9 (ND 1, ND 2, ND 3, ND 4, ND 5, ND 6, ND 7, ND 8, ND 9)

Delivery forms

IPS Natural Die Material Kit		597078
IPS Natural Die Material Kit, 9 shades.	1 x 8 g each	
IPS Natural Die Material Separator	1 x 20 ml	
IPS Natural Die Material shade guide	1x	
Various accessories		
IPS® Natural Die Material Kit Promo		**638177**
IPS Natural Die Material Kit (597078)	1x	
IPS Natural Die Material shade guide	4x	
Refill IPS® Natural Die Material	**1 x 8 g each**	
ND 1		597080
ND 2		597081
ND 3		597082
ND 4		597083
ND 5		597084
ND 6		597085
ND 7		597086
ND 8		597087
ND 9		597088
IPS® Natural Die Material Separator	**1 x 20 ml**	**597089**
Die pins	**10x**	**554028**
IPS® Condenser	**10x**	**554030**
IPS® Natural Die Material shade guide (autoclavable)	**1x**	**597090**

Example of the preparation shade effect

ND 1 | ND 2 | ND 3 | ND 4 | ND 5 | ND 6 | ND 7 | ND 8 | ND 9

Restoration: Veneer (0.5 mm, IPS e.max® CAD HT B1)
Luting material: Variolink® Esthetic neutral
Preparation shade: IPS® Natural Die Material, ND 1 – ND 9

IPS e.max® Shade Navigation app

App for block, ingot and disc selection
The IPS e.max® Shade Navigation app is a helpful tool for selecting the appropriate block, ingot or disc.
It takes into consideration all the factors (tooth colour, indication, preparation shade, layer thickness and material type) that influence the overall shade of the restoration.

Indications:
For establishing the translucency and shade of:
– IPS e.max CAD
– IPS e.max ZirCAD
– IPS e.max Press

Benefits:
✔ Precise translucency and shade recommendations simplify the selection of blocks, ingots and discs.
✔ All the major influencing factors are taken into account (tooth shade, indication, preparation shade, layer thickness, material type).
✔ Direct, visual shade comparison with A–D shades

The app is available free of charge from the Apple App Store and can be downloaded on iOS smartphones and tablets.

Dental prevention + care

Dental Prevention & Care products

Plaque Test

Fluorescent disclosing liquid to reveal bacterial biofilm on the surfaces of natural and restored teeth or implants.

Benefits:

✔ Fluorescent under any curing light
✔ Easy handling
✔ No inconvenient staining of tongue and mucous membranes

Delivery forms

Refill	1 x 11 g	533299

VivaDent Polishing Paste

Developed to meet the needs of your patients, VivaDent® polishing pastes ensure optimal results in professional tooth cleaning, whether used on natural teeth, restorations, implants or prosthetic reconstructions.

– **Containing fluoride**
 Polishing Paste Fine
 Polishing Paste Medium
 Polishing Paste Coarse

– **Fluoride-free**
 Polishing Paste Medium

Benefits:

✔ Targeted, gentle cleaning and polishing, ensuring that even high-quality restorations retain their gloss
✔ Scratch-free cleaning of sensitive surfaces using the fine VivaDent Polishing Paste without pumice
✔ Smooth consistency, splatter-free formula
✔ Available in a variety of flavours: mint, apple and bubblegum

Delivery forms

VD Polishing Paste Tubes	1 x 80 g each	
fine Mint		761376
medium Mint		761377
medium ff		761378
coarse Mint		761379
fine Apple		759502
fine BGum		759515
medium Apple		759516
medium BGum		759517
coarse Apple		759518
coarse BGum		759519

VD Polishing Paste Single Dose	200 x 1.8 g	
fine Mint		761380
coarse Mint		761381
fine Apple		760115
fine BGum		760116
coarse BGum		760117
medium Apple		760120
medium ff		760119

Cervitec® F

The protective varnish with 1,400 ppm fluoride, chlorhexidine and CPC (cetylpyridinium chloride) for fluoride application and germ control in one working step.

Recommended application:

- Caries prevention in high-risk groups
- Fluoridation of dental enamel
- Remineralization of incipient lesions
- Protection of hypersensitive teeth
- Protection against bacterial activity

Benefits:

- Combined protection in high-risk cases
- Relatively high tolerance to moisture
- Mild taste
- Suitable for all age groups

Delivery forms*

Refill Tube (var. accessories)	1 x 7 g	665502
	2 x 7 g	665503
Refill Single Dose unit (var. accessories)	20 x 0.26 g	665504

* May vary from country to country

Cervitec® Plus

Chlorhexidine-containing protective varnish with 1% chlorhexidine plus 1% thymol for the professional bacterial control in patients with high caries risk. Cervitec® Plus also offers intensive protection in order to maintain the quality of restorations.

Areas of application:

- Protection of exposed root surfaces
- Treatment of hypersensitive teeth
- Reduction of bacterial activity on tooth surfaces

Benefits:

- Sealing of exposed dentinal tubules
- Targeted treatment of particularly susceptible areas
- Long-term availability of active ingredients
- Prevention of the side effects commonly associated with chlorhexidine
- Suitable for all age groups

Delivery forms*

Assortment Single Dose units (var. accessories)	20 x 0.25 g	602271

* May vary from country to country

VivaDent Protecting Mouthwash

Alcohol-free antimicrobial mouth rinse containing 0.1% chlorhexidine and xylitol plus essential oil.

Recommended application:

– As an intensive, temporary mouth rinse treatment
– To maintain the healthy condition of oral mucosa and gums as well as the dental supporting tissue
– Before and after implantological and periodontal interventions and dental and orthodontic surgery
– In the event of high caries risk
– In case of restricted ability to perform oral hygiene
– To prevent halitosis

Benefits:

✔ Reduction of bacterial growth
✔ High level of compliance due to mild taste
✔ Suitable for patients who need to avoid alcohol

Delivery forms*

Bottle	1 x 300 ml	760678
	1 x 1000 ml	760677

* May vary from country to country

VivaDent Protecting Gel

Oral care gel containing 0.2% chlorhexidine, 900 ppm fluoride, provitamin D-panthenol and xylitol.

Recommended application:

– As a concomitant measure in the prevention of diseases of the gums, oral mucous membrane and the peri-implant tissue
– As a concomitant measure in the management of inflammatory diseases such as gingivitis, mucositis, denture stomatitis, periodontitis or peri-implantitis
– In the case of elevated germ counts

Benefits:

✔ Provitamin D-panthenol and xylitol moisturize and soothe the gums and mucous membrane
✔ Smooth consistency – easy dispersion
✔ Mild taste

Delivery forms*

Tube	1 x 50 g	760530
	1 x 20 g	760673
Denture cleaning set		681411
Tube	1 x 20 g	
Storage container	1x	
Var. accessories		

* May vary from country to country

Fluor Protector S

Protective fluoride varnish for the desensitization of teeth and protection against dental caries and erosion.

Areas of application:
– Treatment of hypersensitive cervicals
– Build-up of dental enamel resistance against acid
– Long-term caries prevention
– Treatment of sensitivity after tooth whitening

Benefits:
✔ 7,700 ppm fluoride in a homogeneous solution
✔ Immediate fluoridation of enamel
✔ High-yielding fluoride depot
✔ Mild taste
✔ Suitable for all age groups

Delivery forms*

Refill Tube (var. accessories)	1 x 7 g	639520
	3 x 7 g	602273
Refill Single Dose unit (var. accessories)	20 x 0.26 g	639522

* May vary from country to country

VivaDent Fluoridation Gel

The special gel with calcium, phosphate and fluoride for intensive but gentle dental care.

Recommended application:
– Special dental care to protect against caries, erosive wear and periodontal disease
– Sensitive teeth
– Exposed cervicals
– Acidic diets
– Dry mouth
– During orthodontic treatment
– After professional tooth cleaning
– During tooth whitening

Benefits:
✔ Calcium + 1,450 ppm fluoride + phosphate protect the teeth from acid attacks
✔ Xylitol inhibits the growth of cariogenic bacteria
✔ D-panthenol is soothing to the gums

Delivery forms*

Tube	1 x7 5ml	760675

* May vary from country to country

Helioseal® F Plus, Helioseal® Clear

Light-curing, resin-based fissure sealants for the preventive sealing of pits and fissures, using the enamel etching technique.

– **Helioseal® F Plus**
   Efficient, white-shaded sealant with additional fluoride release
– **Helioseal® Clear**
   Transparent sealant for excellent esthetic results and easy monitoring of fissures in case of doubt

Benefits:

✔ Precise application
✔ Well-proven in many years of clinical use
✔ Effective protection against caries

Delivery forms*

Helioseal® F Plus		
Assortment		686770
Helioseal F Plus Var. accessories	5 x 1.25 g	
Syringe refills	1 x 1.25 g	686769
Refill Cavifils	50 x 0.1 g	686771
Helioseal® Clear		
Syringe refills	1 x 1.25 g	558521

* May vary from country to country

Tooth whitening / Tooth jewellery

VivaStyle® Paint On Plus

A varnish system with 6% hydrogen peroxide for in-office and at-home use. Direct application with a brush - no trays required.

Areas of application:
– Whitening of vital and non-vital teeth

Benefits:
✓ Varnish system: for targeted use on the spot
✓ D-panthenol: provitamin
✓ Whitening: after just seven days
✓ In the dental office: intensive treatment

Delivery forms*

Patient Kit		602873
Tube	1 x 20ml	
Brush	14x	
Dispensing dish	14x	
Var. accessories		

* May vary from country to country

VivaStyle® 16%

A gel containing 16% carbamide peroxide (corresponds to 5.8% hydrogen peroxide) for at-home treatment. Ideal for the effective and gentle whitening of teeth. The product is applied with a customized tray.

Areas of application:
– Whitening of discoloured vital or non-vital teeth

Benefits:
✓ Smooth consistency
✓ Calibrated, resealable syringe
✓ For in-office and at-home use
✓ Quick and easy application
✓ Pleasant taste
✓ Clinically proven

Delivery forms*

Syringe Starter Kit		756180
VivStyle 16% syringes	3 x 3 ml	
Tray Sheets	2x	
Tray Case	1x	
Var. accessories		
Refill		**756181**
VivStyle 16% syringes	3 x 3 ml	
Tray Sheet Refill	**12x**	**558805**

* May vary from country to country

Skyce®

Crystal glass ornaments that are bonded to the labial surfaces of natural upper anterior teeth without previous preparation.

Skyce® is available in 2 sizes:

Approx. 1.9 mm and 2.4 mm

Shade:

Crystal

Delivery forms

Refill Crystal small, 1.9 mm	5x	559321
Refill Crystal large, 2.4 mm	5x	559322

Direct Restoratives
Moisture control

OptraGate® 2

The **latex-free** lip and cheek retractor OptraGate® 2 provides optimal support in your daily practice. It offers generous access to the treatment field and facilitates effective and straightforward relative isolation.

This allows you, as a practitioner, to work with greater focus while enhancing the clinical quality and efficiency of your treatments. With OptraGate 2, you will notice that patients remain calmer, swallow less frequently and talk less. Additionally, the extra third ring increases wearing comfort and helps patients to keep their mouth open in a relaxed manner, even during longer treatments.

OptraGate 2 is available in sizes Regular and Small.

Areas of application:
For use in diagnostic, preventive and therapeutic dental procedures that do not require absolute isolation (particularly in adhesive dentistry, such as direct restorative treatments or placing restorations).

Benefits:
- ✔ Relaxed patients and efficient treatments
- ✔ Accessible and manageable treatment field
- ✔ Easy insertion thanks to three-dimensional flexibility, soft material and third ring
- ✔ Versatile application
- ✔ Latex-free

The enhanced original

Delivery forms

OptraGate® 2 wite

Assortment		757915WW
OptraGate 2 Regular, white	40x	
OptraGate 2 Small, white	40x	
Refill		
Regular	80x	757912WW
Small	80x	757914WW
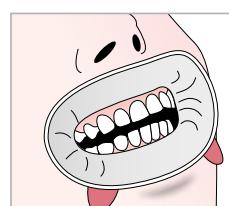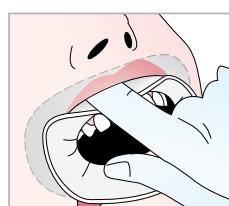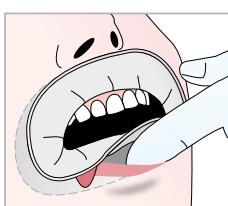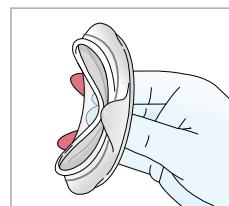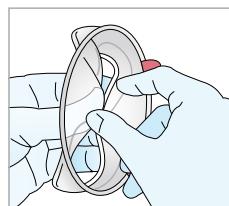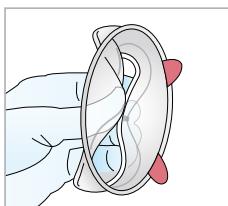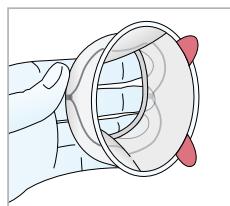
User video on www.ivoclar.com

OptraGate®

The **latex-free** OptraGate® lip and cheek retractor allows the treatment field to be enlarged effectively and comfortably. OptraGate retracts the lips and cheeks evenly around the mouth and thus facilitates moisture control. OptraGate is comfortable to wear as it is three-dimensionally flexible. The improved padding of the lip and cheek retractor as well as the recesses to accommodate the upper and lower lip frenulum increase the patient comfort – even during longer treatment sessions.

OptraGate is available in the sizes Regular, Small and Junior. The colour variations in blue and pink increase the age-appropriate motivation of children and young people and therefore improve patient compliance during the treatment.

Areas of application:

For use in diagnostic, preventive and therapeutic dental procedures that do not require absolute isolation (particularly in adhesive dentistry, such as direct restorative treatments or placing restorations).

Benefits:

✔ Efficient treatment and better moisture control
✔ Enlarged treatment field and accessibility to the cavity
✔ Comfortable to wear for patients
✔ Latex-free

Delivery forms

OptraGate® white

Assortment		577275
OptraGate Regular, white	40x	
OptraGate Small, white	40x	

Refill		
Regular	80x	590850
Small	80x	590851
Junior	80x	591451

OptraGate® blue and pink

Assortment Junior/blue + pink		669089
OptraGate Junior, blue	20x	
OptraGate Junior, pink	20x	

Assortment Small/blue + pink		669088
OptraGate Small, blue	20x	
OptraGate Small, pink	20x	

User video on www.ivoclar.com
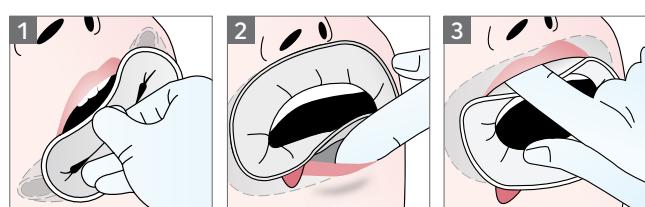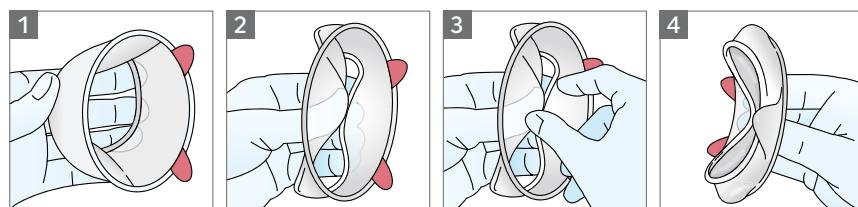
OptraGate® Dry Control

OptraGate® Dry Control is a sophisticated saliva ejector with an integrated tongue retractor for reliable and effective relative isolation. Its thought-through design enables effective moisture control and noticeably enhances treatment efficiency: Secure placement in the lower jaw, reliable tongue retraction and enhanced patient comfort minimize interruptions in the treatment workflow. Both you and your patients benefit from relaxed, uninterrupted and time-saving treatment procedures.

Areas of application:

Suitable for use in all dental procedures where relative isolation is sufficient (in particular in adhesive dentistry, e.g. restorative treatments or restoration cementation).

Advantages:

- ✔ Efficient moisture control with up to twice the usual suction due to a suction element with multiple openings and 270° coverage
- ✔ Reliable tongue retractor for improved view and better access to the treatment area
- ✔ Reliable attachment enables autonomous work
- ✔ Swift and stress-free application
- ✔ Maximum patient comfort for relaxed treatments
- ✔ Seamless integration – compatible with all common dental units

Delivery forms

Refill		30x	768787
		60x	768788

OptraDam® Plus

OptraDam® Plus is an anatomically shaped rubber dam for the absolute isolation of the working field. It offers the clinician increased visibility and accessibility. In addition, the device facilitates the evacuation of water spray. OptraDam Plus provides patient comfort and assists in keeping the patient's mouth open due to its three-dimensional flexibility.

Areas of application:
Suitable for use in therapeutic dental procedures for which an absolutely dry and isolated working field is required (e.g. for adhesive cementation, filling therapy and root canal treatments).

Benefits:
- ✔ Easy application thanks to the integrated frame and pre-printed arch template
- ✔ High patient comfort thanks to the flexible, three-dimensional design
- ✔ Simultaneous isolation of both arches thanks to the tension-free placement

Delivery forms

Assortment		627401
OptraDam Plus Regular	25x	
OptraDam Plus Small	25x	
Refill		
Regular	**50x**	**627399**
Small	**50x**	**627400**
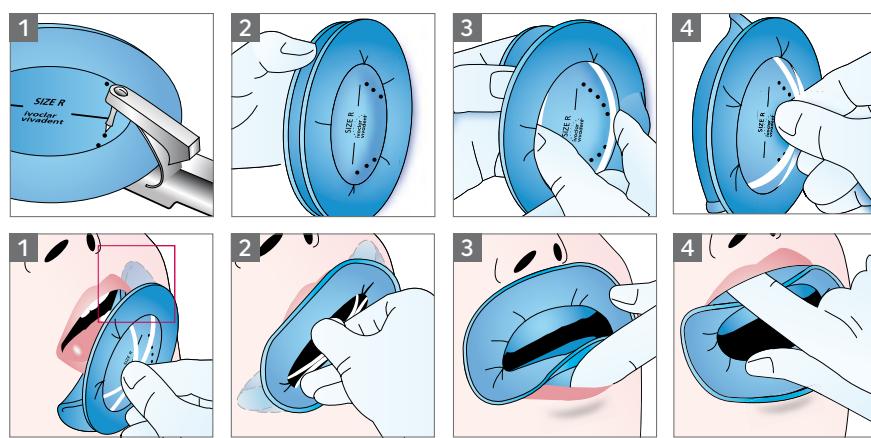
Adhesives / Etchants

Adhese® 2

Adhese® 2 is a universal adhesive with both light- and dual-cure properties, suitable for both direct and indirect restorations and all etching techniques. For the first time, the adhesive can now be used in dual-cure mode directly from the unique VivaPen® with the help of the innovative blue DC cannula. This significantly expands the adhesive's field of application, particularly in situations where light access is limited.

– Direct-placed light-curing composite restorations
– Direct-placed build-up filling and core build-ups with light- and dual-curing composites
– Adhesive cementation of indirect restorations with light- and dual-curing luting composites
– Repairs of fractured composite restorations
– Desensitization of hypersensitive cervical areas
– Sealing of prepared tooth surfaces before temporary/permanent cementation of indirect restorations

In combination with blue DC VivaPen cannulas and DC applicators, Adhese 2 can be used entirely without light-curing for

– the adhesive cementation of indirect restorations and endodontic posts using Variolink® Esthetic DC with all etching techniques and
– the adhesive cementation of indirect restorations and endodontic posts using dual-curing luting composites with the etch & rinse technique.

Advantages:

Esthetics
✔ Universally applicable for indirect and direct restorations
✔ Compatible with all etching techniques

Quality
✔ Can be used in light-curing or dual-curing applications – reliable and flexible, also in situations where light access is limited.
✔ Predictable, high bond strength (> 25 MPa) on enamel and dentin
✔ High moisture tolerance ensures consistently strong adhesion on both dry and moist dentin
✔ Integrated desensitizing effect for minimal risk of postoperative sensitivities
✔ Free of Bis-GMA

Efficiency
✔ Swift and easy direct application in the mouth with the ergonomic VivaPen
✔ Efficient and cost-saving VivaPen delivery form: up to 4x more applications per ml compared with conventional bottled adhesives*
✔ Occlusal curing in only 3 seconds with the 3s Bluephase PowerCure product portfolio: for Class I and II restorations of permanent posterior teeth
✔ Up to 187 single-tooth applications per VivaPen

* Data available on request

Delivery forms

VivaPen®		
Refill	1 x 2 ml	757029
Refill	3 x 2 ml	757030
LC Kit VivaPen®	1 x 2 ml	757027
DC Kit VivaPen®	1 x 2 ml	757028
LC/DC Starter Kit VivaPen®	1 x 0.5 ml	757026
Refill VivaPen® LC cannulas	100x	759006
Refill VivaPen® LC cannulas	300x	759007
Refill VivaPen® DC cannulas	25x	757025
Refill VivaPen® DC cannulas	100x	757036
Refill VivaPen® protective sleeves	300x	627492
Bottle		
Refill	1 x 5 g	757031
Refill	2 x 5 g	757033
Refill inkl. DC applicators (blue, regular)	1 x 5 g	757032
Refill Vivadent applicators (black)	50x	695128
Refill DC applicators (blue, regular)	25x	757037
Refill DC applicators (blue, endo)	25x	757038
Single Dose		
Refill Single Dose Regular	25 x 0.1 g	757034
Refill Single Dose Small/Endo	25 x 0.1 g	757024

Adhese® Universal

Adhese® Universal is an universal, single-component, light-cured adhesive for direct and indirect bonding procedures. It features compatibility with all etching techniques: self-etch, selective-enamel-etch and total-etch. Adhese Universal is available in the unique VivaPen® delivery form for fast and convenient direct intra oral application with minimal waste to optimize cost effectiveness.

- Direct-placed light-curing composites and compomer restorations
- Direct-placed core build-ups with light-, self- and dual-curing composites
- Adhesive cementation of indirect restorations with light- and dual-curing luting composites
- Repairs of fractured composite and compomer restorations
- Desensitization of hypersensitive cervical areas
- Sealing of prepared tooth surfaces before temporary/permanent cementation of indirect restorations

Benefits:

Esthetics
✔ Universally suitable for direct and indirect bonding procedures and all etching protocols

Quality
✔ High bonding strength (>25 MPa) on wet and dry dentin
✔ Minimal risk of postoperative sensitivity due to the integrated desensitizing effect

Efficiency
✔ Fast and convenient direct intraoral application with the ergonomic VivaPen®
✔ Efficient VivaPen delivery form provide almost 4 times more applications per ml compared to conventional bottles*
✔ Curing time of only 3 seconds with the 3s PowerCure range of products: for restorations in the posterior region of the permanent dentition (Class I and II) when light-cured from the occlusal aspect
✔ Up to 187 single tooth applications with the VivaPen

* Data available on request

Delivery forms

VivaPen®

Refill	1 x 2 ml	665156
Refill	3 x 2 ml	664505
Kit VivaPen	1 x 2 ml	754798
Refill VivaPen® snap-on cannulas	100x	745762
Refill VivaPen® snap-on cannulas	300x	745763
Refill VivaPen® protective sleeves	300x	627492

Bottle

Refill	1 x 5 g	663720
Refill	2 x 5 g	663721
Refill Vivadent applicators (black)	50x	695128

Adhese® Universal DC

Adhese® Universal DC is a universal, dual-curing single-component dental adhesive for enamel and dentin that is compatible with all etching techniques.
Adhese Universal DC is suitable for direct restorative procedures and the adhesive cementation of indirect restorations.

Adhese Universal DC can be used without light-curing for:

– the adhesive cementation of indirect restorations and endodontic posts with Variolink® Esthetic DC in conjunction with all etching techniques.
– the adhesive cementation of indirect restorations and endodontic posts using dual-curing luting composites in conjunction with the etch & rinse technique.

Esthetics
✔ Universally suitable for direct and indirect bonding procedures and all etching protocols

Quality
✔ High bonding strength (>25 MPa) on wet and dry dentin
✔ Integrated desensitizing effect
✔ Offers the same advantages as the clinically proven Adhese Universal, with the added benefit of high bonding strength in conjunction with induced self-curing

Efficiency
✔ Curing time of only 3 seconds with the 3s PowerCure range of products: for restorations in the posterior region of permanent dentition (Class I and II) when light-cured from the occlusal aspect. Curing of all types of restorations in only 5 seconds.

Delivery forms

Refill Single Dose unit Regular	25 x 0.1 g	687778WW
Refill Single Dose unit Small/Endo	25 x 0.1 g	687779WW

ExciTE® F

ExciTE® F is a light-curing, fluoride-releasing single-component adhesive that is suitable for the total-etch technique.

– Direct light- and dual-cure composite and compomer restorations
– Adhesive luting of indirect restorations involving light-curing

Benefits:

✔ Available in bottles and Single Dose units
✔ High bond strength values on enamel and dentin
✔ Acetone-free (alcohol-based solvent)
✔ Fluoride release
✔ Storage at room temperature

Delivery forms

Refill		
Bottle	1 x 5 g	759132
Bottle	2 x 5 g	759133
Applicators Regular (light blue)	50x	631699
Single-Dose	50 x 0.1 g	759134

ExciTE® F DSC

ExciTE® F DSC is a dual-curing, fluoride-releasing enamel and dentin adhesive that is suitable for the total-etch technique.

– Adhesive cementation of root canal posts
– Adhesive cementation of indirect, metal-free translucent restorations with dual- or self-curing luting composites
– Direct restorations and core build-ups with dual and self-curing composites

Benefits:

✔ Patented initiator-coated applicator brush
✔ Time-saving: one step, one coat
✔ No light-curing necessary
✔ High bond strength values on enamel and dentin
✔ Single-dose delivery form with applicators in two different sizes: Regular and Small/Endo
✔ Storage at room temperature

Regular   Small/
          Endo

Delivery forms

Refill		50 x 0.1 g
Regular		630378
Small/Endo		630380

Syntac®

Syntac® is the classic adhesive system for a chemically sound bond between the composite materials and the tooth structure.

– Direct composite and compomer restorations in the anterior and posterior region
– Adhesive cementation of indirect restorations made of composite and ceramic

Benefits:

✔ For direct and indirect restorations
✔ Clinically proven for many years
✔ Reduction of postoperative sensitivity
✔ Excellent instant bond between dentin/enamel and composite
✔ High bond strength
✔ Storage at room temperature

Delivery forms

Assortment		532891
Syntac Primer	1 x 3 g	
Syntac Adhesive	1 x 3 g	
Heliobond	1 x 6 g	
Var. accessories		
Refill Primer	1 x 3 g	532893
Refill Adhesive	1 x 3 g	532892

Heliobond

Heliobond is a light-curing single-component bonding agent to optimize enamel etching with all light-curing restorative materials.

– Adhesive for enamel bonding
– Together with Syntac also dentin bonding agent
– Cementation of tooth jewellery
– Transparent sealing of fissures and restorations
– As a bonding layer for the repair of composite, crown and bridge restorations

Benefits:

✔ For an optimum marginal seal between tooth and composite when applied in conjunction with the enamel etch technique.
✔ Storage at room temperature

Delivery forms

Refill	1 x 11 g	532906
Refill	1 x 6 g	532907

Total Etch

Total Etch is a 37% phosphoric acid gel.

– Partial etching technique for adhesive restorations
– Total-etch technique for adhesive restorations
– Fissure sealing
– Cementation of brackets and tooth jewellery
– Adhesive cementation

Benefits:

✔ The conventional etching gel with balanced handling properties
✔ Gel can be easily distinguished from the tooth structure
✔ Pre-bent metal tip for accurate application
✔ Jumbo delivery forms to keep adequate amounts of gel in stock

Delivery forms

Assortment Total Etch Jumbo		558530
Total Etch Jumbo Application tips, empty 2-ml syringe	1 x 30 g	
Refill	**2 x 2 g**	**550588**
Refill Etch application tips (blue)	**20x**	**550587**

IPS® Ceramic etching gel

The IPS® Ceramic etching gel is used for the creation of retentive bonding surfaces on all-ceramic restorations to prepare for cementation. It enhances the bonding effect between the composite cement and the ceramic bonding surface.

Delivery forms

IPS® Ceramic Etching Gel Kit		531550
IPS Ceramic etching gel Neutralization powder Measuring spoon	1 x 5 ml 1 x 30 g 1x	

Refill		
IPS Ceramic etching gel	1 x 5 ml	531548
Neutralization powder	1 x 30 g	531549

Overview of our filling materials

The new simplified universal composite

	Tetric plus		Tetric Prime
	Tetric plus Fill	**Tetric plus Flow**	**Tetric Prime**
	Innovative universal composite for greater efficiency	Universal viscosity for efficiency and precision	Excellent handling
Viscosity	Sculptable	Flowable	Sculptable
Cavity classes	I, II, III, IV, V	I, II, III, IV, V	I, II, III, IV, V
Number of shades	4	4	12
Layer thickness	Flexible up to 4 mm*	Flexible up to 4 mm*	≤ 2 mm
Extra capping layer necessary?	No	No	No
Shortest curing times **Light intensity:** **2700-3300 mW/cm²** Only suitable for Class I & II restorations in posterior teeth light-cured from the occlusal aspect.	3 s*	3 s*	–
Curing times **Light intensity:** **1800-2200 mW/cm²**	5 s*	5 s*	5 s
Curing times **Light intensity:** **1000-1300 mW/cm²**	10 s	10 s	10 s

*Note the maximum layer thickness of 3.5 mm for the shade A3.5 plus when choosing a curing time of either 3 s or 5 s.
For further details please refer to the Instructions for Use of the respective product.

All composites are compatible with each other.

Tetric Line				
Tetric EvoFlow	**Tetric PowerFill**	**Tetric PowerFlow**	**Tetric EvoCeram**	**IPS Empress Direct**
Precise application	Efficient contouring	Fast volume replacement	Good results	High esthetics
Flowable	Sculptable	Flowable	Sculptable	Sculptable
I, II, III, IV, V	I, II	I, II	I, II, III, IV, V	I, II, III, IV, V
14	3	3	22	32
≤ 2 mm	≤ 4 mm	≤ 4 mm	≤ 2 mm	≤ 2 mm
Yes	No	Yes	No	No
-	3 s	3 s	-	-
5 s	5 s	5 s	5s	-
10 s	10 s	10 s	10s	10s

Tetric® plus

Tetric® plus is our new simplified universal composite, designed for even easier and more efficient restorative treatments. With just four shades, all four quadrants can be restored in layer thicknesses of up to 4 mm[1] – thanks to the optimized 4-filler technology in Tetric plus.

Benefits:

Esthetics

✓ **4 unique shades for easy shade matching**
 – Exceptional shade matching thanks to an enhanced chameleon effect
 – 81% of dentists give excellent ratings for shade matching
 – Evidence-based shade concept based on natural teeth, covering all 16 classical VITA* shades
 – Easy shade matching for simple and hassle-free shade selection
 – Translucency shift after curing for a natural, enamel-like translucency
 – Excellent polishability for fast application and long-lasting shine

Quality

✓ **High-quality material with convincing handling**
 – Very good product properties for reliable curing, high radiopacity, high strength, high bond strength with Adhese Universal and low water absorption
 – Effective shrinkage control technologies
 – Convincing handling characteristics – 90% of dentists express high satisfaction
 – Good adaptation to cavity walls
 – Stable consistency for precise fissure modeling
 – Adjustable viscosity by heating up to 68°C
 – Universal flowable consistency for precise application with 0.9 mm cannulas and efficient volume replacement with 1.2 mm cannulas
 – Tetric plus Flow does not require a covering layer
 – Optimized internal geometry of Tetric plus Flow cannulas prevents air bubbles

Efficiency

✓ **Efficiency in 4 mm. Simplicity in 4 shades.**
 – Universal 4-mm composite for all cavity classes
 – Faster workflow: With Bluephase PowerCure, Tetric Plus and Adhese Universal can be light-cured in just 3 seconds
 – Optimized inventory management with fewer shades, reducing stock levels and minimizing expired products in rarely used shades

Delivery forms

Syringes

Tetric plus Starter Kit		762401WW
Tetric plus Flow syringe, shades: A2 plus, A3 plus	1 x 2 geach	
Kanülen 0.9mm and 1.2mm	10 xeach	
Tetric plus Fill syringe, shades: A2 plus, A3 plus	1 x 3 geach	
Adhese Universal VivaPen	1 x 2 ml	
Cannulas and sleeves	40 xeach	
OptraGate 2	2 x 1 pc.	
OptraGloss Spiral Wheel HP	1 x	
Tetric plus Shade Guide	1 x	

Mixed

Tetric plus Starter Kit		762402WW
Tetric plus Flow syringe, shades: A2 plus, A3 plus	1 x 2 geach	
Kanülen 0.9mm and 1.2mm	10 xeach	
Tetric plus Fill Cavifil, shades: A2 plus, A3 plus	20 x 0,2 geach	
Adhese Universal VivaPen	1 x 2 ml	
Cannulas and sleeves	40 x each	
OptraGate 2	2 x 1 pc.	
OptraGloss Spiral Wheel HP	1 x	
Tetric plus Shade Guide	1 x	

Tetric plus Demo Kit		762400WW
Tetric plus Shade Guide	1x	762407WW

Tetric® plus Fill

Tetric® plus Fill offers:
- Sculptable viscosity that adapts well to cavity walls
- High satisfaction with the stability of modeled fissures and the cushioning effect
- Adjustable viscosity by heating as needed

Easy heating
You can safely warm Tetric® plus Fill in a dental composite warmer up to 68°C to reduce its viscosity. No worries – the mechanical properties will remain unaffected.

Optimized 4-filler technology
The combination of spherical and non-spherical fillers ensures easy handling and fast polishability – without compromising mechanical properties.

Types of restorations
- Restorations of all kinds in permanent teeth (in posterior teeth, including replacement of individual cusps)
- Reconstructive build-ups
- Restorations in deciduous teeth
- Repairs of composite or ceramic restorations
- Direct veneers
- Sealing of implant screw channels

[1] Apply the shade A3.5 plus in a maximum layer thickness of 3.5 mm when light curing for 3 or 5 seconds.
[2] For load-bearing restorations, apply a covering layer of a sculptable composite.
[3] Suitable for cavity classes I–V according to G. V. Black.

Delivery forms

Refill Syringe	1 x 3 g each	
A2 plus		762371WW
A3 plus		762372WW
Refill Syringe	1 x 2 g each	
A3.5 plus		762373WW
Bleach plus		762374WW
Refill Cavifil	20 x 0.2 g each	
A2 plus		762375WW
A3 plus		762386WW
Refill Cavifil	10 x 0.2 g each	
A3.5 plus		762387WW
Bleach plus		762388WW
Tetric plus Fill Test Pack Syringe		762389WW
Tetric plus Fill Test Pack Cavifils		762390WW

Tetric® plus Flow

Tetric® plus Flow is the flowable simplified universal composite for anterior and posterior restorations.

Tetric plus Flow offers you:
- Universal viscosity thanks to exceptional thixotropic properties
- Precise application with excellent stability
- Good flowability for fast volume replacement
- Adapts to cavity walls with a self-leveling effect
- No additional covering layer required
- Even in 4-mm increments, Tetric plus Flow does not require an additional covering layer[2]

Did you already know this about the cannulas for Tetric plus Flow?
✓ **New and optimized**
   Thanks to an improved internal design, air bubbles are no longer an issue

✓ **Two sizes for different applications**
   – 0.9-mm cannulas for precise application, e.g. in Class V restorations
   – 1.2-mm cannulas for efficient volume replacement in larger cavities with layer thicknesses of up to 4 mm

Types of restorations
- Restorations in deciduous teeth
- Repairs of composite/ceramic restorations
- Sealing of implant screw channels
- Initial layer up to 4 mm in Class I and II restorations[3]
- Small direct restorations in permanent teeth (not occlusion-bearing)[2]
- Liner under direct restorations of all cavity classes
- Class V restorations
- Extended fissure sealings

[1] Apply the shade A3.5 plus in a maximum layer thickness of 3.5 mm when light curing for 3 or 5 seconds.
[2] For load-bearing restorations, apply a covering layer of a sculptable composite.
[3] Suitable for cavity classes I–V according to G. V. Black.

Delivery forms

Refill Syringe	**1 x 2 g each**	
Cannulas 0.9 mm	5 x	
A2 plus		762391WW
A3 plus		762392WW
Refill Syringe	**1 x 1.5 g each**	
A3.5 plus		762393WW
Bleach plus		762394WW
Refill Cavifil	**20 x 0.2 g each**	
A2 plus		762395WW
A3 plus		762396WW
Refill Cavifil	**10 x 0.2 g each**	
A3.5 plus		762397WW
Bleach plus		762398WW
Tetric plus Flow Test Pack Syringe		**762399WW**
Tetric plus Flow Syringe, shade: A2 plus	1 x 1 g	
Cannulas 0.9 mm and 1.2 mm	5 x each	
Cannula Luerlock 0.9 mm	1 x 20	760816
Cannula Luerlock 1.2 mm	1 x 20	669838

Tetric® Line

One solution for all cavities

The Tetric® line of products consists of four well-coordinated composite resins for your direct restorative needs.

Tetric® Prime is a sculptable universal composite and **Tetric EvoFlow®** is a flowable universal composite for anterior and posterior restorations.

Tetric® PowerFill is a sculptable composite and **Tetric® PowerFlow** is a flowable composite for 4-mm bulk placement in the posterior region. It offers short curing times from 3 seconds.

Ivoclar offers a kit containing 4 composites featuring 6 different types of materials that are intuitive to use. With this small range of materials, all types of cavities can be filled.

Each kit comprises:

- ✔ Tetric Prime – sculptable, for conventional layering techniques
- ✔ Tetric EvoFlow – flowable, for conventional layering techniques
- ✔ Tetric PowerFill – sculptable, application in increments of up to 4 mm
- ✔ Tetric PowerFlow – flowable, application in increments of up to 4 mm
- ✔ Adhese® Universal VivaPen – the universal adhesive

Delivery forms

Syringes

Tetric Line Kit syringe	760215
Tetric Prime syringe, shades: A2, A3, A2 Dentin	1 x 3 g each
Tetric PowerFill syringe, shade: ^{IV}A	1 x 3 g
Tetric EvoFlow Luerlock syringe, shade: A3	1 x 2 g
Tetric PowerFlow Luerlock syringe, shade: ^{IV}A	1 x 2 g
Adhese Universal VivaPen	1 x 2 ml
Var. accessories	

Mixed

Tetric Line Kit mixed	760226
Tetric Prime Cavifil, shades: A2, A3	10 x 0.25 g each
Tetric Prime Cavifil, shade: A2 Dentin	5 x 0.25 g each
Tetric PowerFill Cavifil, shade: ^{IV}A	10 x 0.2 g
Tetric EvoFlow Luerlock syringe, shade: A3	1 x 2 g
Tetric PowerFlow Luerlock syringe, shade: ^{IV}A	1 x 2 g
Adhese Universal VivaPen	1 x 2 ml
Var. accessories	

Tetric® Prime

Tetric® Prime is a sculptable universal composite for anterior and posterior restorations.

Types of restorations

– Restorations of permanent teeth
– Veneering of discoloured permanent anterior teeth
– Splinting of mobile permanent teeth
– Repairs of composite resin / ceramic restorations in permanent teeth
– Restorations of deciduous teeth
– Light intensities of >1,300mW/cm^2 must be avoided for deciduous teeth.

Benefits:

Esthetics
– Pronounced chameleon effect for a natural shade blend

Quality
– Proven clinical performance with over 730 million restorations placed worldwide [1]
– Easy sculpting and contouring due to its low stickiness, good spreadability and creamy consistency [2]

Efficiency
– 1 kit for all cavities

Shades:

– Dentin shades: A2, A3.5
– Enamel shades: A1, A2, A3, A3.5, A4, B1, B2, C2
– Highly translucent incisal shade: T
– Bleach shades: Bleach L

[1] Based on sales figures.
[2] Tetric Prime offers excellent handling properties.

Starting situation:
Defective mesio-palatal composite restoration in tooth 12

Final result

Dr Carola Pentelescu, Ivoclar Vivadent AG, Liechtenstein

Delivery forms

Syringes		
Refill	**3 x 3 g each**	
A1		706840
A2		706841
A3		706842
A3.5		706843
Refill	**1 x 3 g each**	
A1		706607
A2		706608
A3		706609
A3.5		706610
A4		706611
B1		706612
B2		706613
C2		706615
Bleach L		706622
A2 Dentin		706618
A3.5 Dentin		706619
T		706621
Jumbo Refill	**10 x 3 g**	
A2		706863
A3		706864
Cavifils		
Refill	**20 x 0.25 g each**	
A1		706563
A2		706564
A3		706585
A3.5		706586
A4		706587
B1		706588
B2		706589
C2		706591
Bleach L		706598
A2 Dentin		706594
A3.5 Dentin		706595
T		706597
Jumbo Refill	**150 x 0.25 g**	
A2		706865
A3		706866
Shade guide	**1x**	709578

Tetric EvoFlow®

Tetric EvoFlow® is the flowable universal composite for restorations in the anterior and posterior region.

The material can be used as a liner in Class I and II cavities and as a filling material for small and Class V cavities. It is effectively combined with sculptable composite resins, e.g. Tetric Prime, Tetric PowerFill or IPS Empress® Direct.

Types of restorations:

- Initial layer in Class I to Class V restorations
- Class V restorations
- Small restorations of any nature
- Blocking out of undercuts
- Extended fissure sealing
- Repairs of composite resin restorations
- Light intensities of >1,300mW/cm² must be avoided for deciduous teeth.

Benefits:

Esthetics
✔ Pronounced chameleon effect for a natural shade blend

Quality
✔ Excellent handling properties to suit every situation

Efficiency
✔ 1 kit for all cavities

Shades:

- Dentin shades: A2, A3.5, B2
- Enamel shades: A1, A2, A3, A3.5, A4, B1, B3
- Highly translucent incisal shade: T
- Bleach shades: Bleach XL, Bleach L, Bleach M

Dr Eduardo Mahn, Santiago, Chile

Delivery forms

Syringes

Refill	1x 2 g each	
A1		595953
A2		595954
A3		595955
A3.5		595956
A4		595978
B1		641358
B3		595957
Bleach L		595982
Bleach M		595984
A2 Dentin		641360
A3.5 Dentin		595980
B2 Dentin		641361
Bleach XL Dentin		595981
T		595979

Cavifils

Refill	20 x 0.2 g each	
A1		595987
A2		595988
A3		595989
A3.5		595990
A4		595992
B1		641348
B3		595991
Bleach L		595996
Bleach M		596008
A2 Dentin		641349
A3.5 Dentin		595994
B2 Dentin		641350
Bleach XL Dentin		595995
T		595993
Shade guide	1x	595952
Application tips ø 0.9 mm (black)	20x	634849

Tetric® PowerFill

Tetric® PowerFill is a sculptable, light-curing, radiopaque 4-mm composite for direct restorative treatments in posterior teeth. It offers short curing times from 3 seconds.

Types of restorations:

– Restorations of permanent posterior teeth (Classes I and II)
– Restorations of deciduous posterior teeth (Classes I and II)
– Reconstructive build-ups, when light-cured at a light intensity of ≤1,300 mW/cm^2
– Light intensities of >1,300mW/cm^2 must be avoided for deciduous teeth.

Benefits:

Esthetics
✔ True-to-nature esthetics for posterior restorations
✔ Ivocerin® and the Aessencio® technology allow you to achieve the same high esthetics as with conventional composites

Quality
✔ Reliable polymerization of layers of up to 4 mm
✔ Low susceptibility to process-related air entrapments
✔ Easy modelling of anatomical structures due to its low stickiness

Efficiency
✔ Time savings of up to 51% in the posterior region[1]

Shades:
Three enamel-like universal shades

– IVA Universal A shade
– IVB Universal B shade
– IVW White for light-coloured permanent teeth

[1] A. Lebedenko, Comparative fillings: Conventional layering technique versus 3sCure two-layer technique, *Test Report*, Ivoclar, 2018.

Delivery forms

Syringes		
Refill	**1 x 3 g each**	
IVA		668083
IVB		668084
IVW		668115
Refill	**3 x 3 g each**	
IVA		668117
Cavifils		
Refill	**20 x 0.2 each**	
IVA		668107
IVB		668076
IVW		668077
Shade guide	**1x**	668082

Tetric® PowerFlow

Tetric® PowerFlow is a flowable, light-curing, radiopaque 4-mm composite for direct restorative treatments in posterior teeth. It offers short curing times from 3 seconds.

Types of restorations:
– Initial layer / increment in the restoration of permanent posterior teeth (Classes I and II)
– Restorations of deciduous posterior teeth (Classes I and II).
– Light intensities of >1,300mW/cm^2 must be avoided for deciduous teeth.

Benefits:
Esthetics
✔ True-to-nature esthetics for posterior restorations
✔ Ivocerin® and the Aessencio® technology allow you to achieve the same high esthetics as with conventional composites

Quality
✔ Reliable polymerization of layers of up to 4 mm
✔ Low susceptibility to process-related air entrapments

Efficiency
✔ Good adaptation to cavity walls and easy handling due to its outstanding flow properties
✔ Time savings of up to 51% in the posterior region[1]

Shades:
Three dentin-like universal shades

– IVA: Universal A shade
– IVB: Universal B shade
– IVW: White shade for deciduous teeth or light-coloured permanent teeth

[1] A. Lebedenko, Comparative fillings: Conventional layering technique versus 3sCure two-layer technique, *Test Report*, Ivoclar, 2018.

Delivery forms

Syringes		
Refill	1x 2 g each	
IVA		692409
IVB		692410
IVW		692411
Cavifils		
Refill	20 x 0,2 g each	
IVA		692413
IVB		692414
IVW		692415
Shade guide	1x	668082
Application tips ø 1.2 mm (black)	20x	669838

Tetric EvoCeram®

Tetric EvoCeram® is a sculptable universal composite for restorations in the anterior and posterior region.

Types of restorations:

– Veneering of discoloured permanent anterior teeth
– Splinting of mobile permanent teeth
– Repairs of composite resin / ceramic restorations in permanent teeth
– Build-ups for transparent, removable orthodontic aligners for permanent teeth
– Reconstructive build-ups
– Restorations of deciduous teeth
– Light intensities of >900mW/cm^2 must be avoided for deciduous teeth.

Benefits:

Esthetics
✔ Chameleon effect for a natural shade blend

Quality
✔ Proven clinical performance with over 730 million restorations placed worldwide [1]

Efficiency
✔ One solution for all cavities

Shades:

– Dentin shades: A2, A3.5, A4, B2
– Enamel shades: A1, A2, A3, A3.5, A4, B1, B2, B3, C1, C2, C3, D2, D3
– Highly translucent incisal shade: T
– Bleach shades: Bleach XL, Bleach L, Bleach M, Bleach I

[1] Based on sales figures

Delivery forms

Syringes

Refill	1 x 3 g each
A1	590312
A2	590313
A3	590314
A3.5	590315
A4	590316
B1	637547
B2	590317
B3	590318
C1	590319
C2	590320
C3	590321
D2	637548
D3	590322
Bleach L	590328
Bleach I	590329
Bleach M	590330
A2 Dentin	637549
A3.5 Dentin	590323
A4 Dentin	590324
B2 Dentin	590325
Bleach XL Dentin	590327
T	590326

Starting situation in 2004   Final picture in 2004   Recall in 2014

Dr Arnd Peschke, Ivoclar Vivadent AG, Schaan, Liechtenstein

Starting situation in 2005   Final picture in 2005   Recall in 2014

Prof. Dr Jürgen Manhart, Germany

Syringes

Refill	3 x 3 g each	
A1		590293
A2		590294
A3		590295
A3.5		590296
A4		590297
B1		637734
B2		590298
B3		590299
C1		590300
C2		590301
D2		637735
D3		590303
Bleach L		590309
Bleach I		590310
Bleach M		590311
A2 Dentin		637736
A3.5 Dentin		590304
A4 Dentin		590305
B2 Dentin		590306
Bleach XL Dentin		590308
T		590307

Jumbo Refill	10 x 3 g	
A2		642042
A3		642043

Cavifils

Refill	20 x 0.2 g each	
A1		590331
A2		590332
A3		590333
A3.5		590334
A4		590335
B1		637354
B2		590336
B3		590337
C1		590338
C2		590339
C3		590340
D2		637355
D3		590341
Bleach L		590347
Bleach I		590348
Bleach M		590349
A2 Dentin		637356
A3.5 Dentin		590342
A4 Dentin		590343
B2 Dentin		590344
Bleach XL Dentin		590346
T		590345

Jumbo Refill	150 x 0.2 g	
A2		642040
A3		642041

Shade guide	1x	590292

IPS Empress® Direct

IPS Empress® Direct is a highly esthetic composite for filling cavities in anterior and posterior teeth. It is available in five different translucency levels and in 32 different tooth shades.. Therefore, different types of anatomical features can be faithfully reproduced.

Types of restorations:

– Anterior restorations (Classes III, IV)
– Posterior restorations (Class I and II)
– Class V restorations
– Correction of tooth position and tooth shape (e.g. diastema closure, closure of interdental triangles, lengthening of incisal edges);
– Direct veneers

Benefits:

Esthetics
✔ Lifelike shades for natural-looking restorations
✔ Easy application of shade nuances with Trans Opal

Quality
✔ Long-lasting esthetic results
✔ Convenient handling for sophisticated requirements

Efficiency
✔ Intuitive layering technique to achieve highly esthetic results in a few easy steps

Shades

– Dentin shades (Dentin):
  A1, A2, A3, A3.5, A4, IVA5, IVA6, B1, B2, C3, D2, Bleach L, Bleach XL
– Enamel shades (Enamel):
  A1, A2, A3, A3.5, A4, B1, B2, B3, B4, C1, C2, C3, D2, D3, Bleach L, Bleach XL
– Translucent: Trans 20, Trans 30, Trans Opal

Delivery forms

Syringes

Syringe Kit	686071
Dentin (A2, A3)	1 x 3 g each
Enamel (A1, A2, A3)	1 x 3 g each
Trans 30	1 x 3 g
Effect Trans Opal	1 x 1.8 g
Opaque	1 x 1.8 g
Autoclavable shade guide (Dentin, Enamel/Translucent)	1 x each
Var. accessories	

Syringe Kit	686072
Dentin (A2, A3)	1 x 3 g each
Enamel (A1, A2, A3)	1 x 3 g each
Trans 30	1 x 3 g
Effect Trans Opal	1 x 1.8 g
Opaque	1 x 1.8 g
OptraSculpt Pad Instrument	1x
OptraSculpt Pad Refill (4 mm)	1x
Autoclavable shade guide (Dentin, Enamel/Translucent)	1 x each
Var. accessories	

Before

After

Dr Arnd Peschke, Ivoclar Vivadent AG, Schaan, Liechtenstein

Syringes

Refill	1 x 3 g each	
A1		627232
A2		627233
A3		627234
A3.5		627235
A4		627236
B1		627237
B2		627238
B3		627239
B4		627240
C1		627241
C2		627242
C3		627243
D2		627244
D3		627245
Bleach XL		627247
Bleach L		627246
A1 Dentin		627220
A2 Dentin		627221
A3 Dentin		627222
A3.5 Dentin		627624
A4 Dentin		627223
IVA5 Dentin		627224
IVA6 Dentin		627225
B1 Dentin		627226
B2 Dentin		627227
C3 Dentin		627228
D2 Dentin		627229
Bleach L Dentin		627230
Bleach XL Dentin		627231
Trans 20		627248
Trans 30		627249
Trans Opal		627250

Cavifils

Refill	10 x 0.2 g each	
A1		627270
A2		627271
A3		627272
A3.5		627273
A4		627274
B1		627275
B2		627276
B3		627277
B4		627278
C1		627279
C2		627280
C3		627281
D2		627282
D3		627283
Bleach XL		627285
Bleach L		627284
A1 Dentin		627258
A2 Dentin		627259
A3 Dentin		627260
A3.5 Dentin		627623
A4 Dentin		627261
IVA5 Dentin		627262
IVA6 Dentin		627263
B1 Dentin		627264
B2 Dentin		627265
C3 Dentin		627266
D2 Dentin		627267
Bleach L Dentin		627268
Bleach XL Dentin		627269
Trans 20		627286
Trans 30		627287
Trans Opal		627288
Shade guide IPS Empress Direct Dentin	**1x**	**627214**
Shade guide IPS Empress Direct Enamel/Translucent	**1x**	**627215**

IPS Empress® Direct Effect

The flowable characterization material IPS Empress Direct Effect enables creative users to impart each restoration with an individual touch.

Types of restorations:

– Creating lifelike esthetic effects in the incisal area
– Anterior restorations (Classes III, IV)
– Small restorations of all types
– Repair of composite/ceramic veneers

Benefits:

✔ Ideal addition to the IPS Empress Direct range of materials for the creation of special effects in the anterior region
✔ Unique Trans Opal shade for a lifelike esthetic opalescence
✔ Lifelike translucency for the optimum reproduction of the incisal area
✔ Ideal consistency for contouring with the brush

Shades:

Trans Opal

Delivery forms

Refill syringe	1 x 1.8 g	
Trans Opal		635342
Application tips ø 0.9 mm (black)	20x	634849

IPS Empress® Direct Color

For the lifelike characterizations, such as the imitation of enamel cracks.

Types of restorations:

– Individualized characterization of direct and lab-fabricated composite restorations
– For the masking of tooth discolourations
– For the characterization of chairside CAD/CAM veneers

Benefits:

✔ Lifelike characterization of demanding composite restorations and CAD/CAM-fabricated restorations
✔ User-friendly direct application; no dilution required
✔ High masking capability even when applied in thin layers
✔ 0.4-mm tip for precise application
✔ Ideally complements the IPS Empress® Direct and IPS Empress CAD range of materials

Shades:

White, honey, ochre, brown, blue, grey

Delivery forms

Refill	Possible use	1 x 1 g	
white	• Imitation of white spots • Simulation of halo effects • Accentuation of cusps and ridges		637899
honey	• Accentuation of the dentin core • Accentuation of fissures		637900
ochre	• Imitation of individual enamel characteristics		637903
blue	• Simulation of translucent enamel areas		637901
grey	• Imitation of opalescent areas		637905
brown	• Imitation of discoloured fissures, pits and enamel cracks		637904
Application tips ø 0.4 mm (black)		20x	634847

IPS Empress® Direct Opaque

IPS Empress® Direct Opaque is a light-curing opaquer suitable for masking exposed metal surfaces and discolourations.

Types of restorations:
Masking of:
- exposed metal surfaces when repairing defective ceramic and composite veneers intraorally
- discoloured tooth structure

Benefits:
- ✔ High masking capability even when applied in thin layers
- ✔ Universal opaque shade renders shade adjustments unnecessary

Shade:
Opaque

Delivery forms

Refill syringe (opaque)	1 x 1.8 g	637897
Application tips ø 0.9 mm (black)	20x	634849

Alkasites

Cention® Forte & Cention® Primer

Cention Forte is a self-curing, radiopaque filling material with light-curing option for the direct restorative treatment of anterior and posterior teeth. Cention Forte belongs to the materials group of alkasites.

This filling material is considered to be the better alternative to amalgam than glass ionomer cement because of its reduced application protocol, high flexural strength and lifelike esthetics.

The alkaline filler of the material releases bioactive calcium ions, fluoride ions and hydroxide ions, which prevents demineralization and supports remineralization.

The ion release is much higher at an acidic pH value than it is at a neutral pH value. Acid attacks are thus neutralized much more quickly.

Cention Primer is a self-etching, self-curing primer for dental hard tissue, that has been especially designed for Cention Forte.

Delivery forms

Cention Forte Kit		740829
Cention Forte Capsule	50 x 0.3 g	
Cention Primer	1 x 6 g	
Cention Forte Start		740831
Cention Forte Capsule	20 x 0.3 g	
Cention Primer	1 x 3 g	
Refill Cention Forte Jumbo Capsules	100 x 0.3 g	740830
Refill Cention Forte Capsules	50 x 0.3 g	740829
Refill Cention Primer	1 x 6 g	740833
Refill Capsule Applicator	1x	694767
Refill Cention Primer Brushes	50x	761930

Base/liner

Vivaglass® Liner

Light-curing glass ionomer cement suitable for cavity lining.

Benefits:

- ✔ Continuous fluoride release
- ✔ Good dentin adhesion
- ✔ Good radiopacity
- ✔ Easy handling due to light-curing

Delivery forms

Intro Pack		536452
Powder	1 x 10 g	
Liquid	1 x 8 g	
Var. accessories		
Refill Powder	**1 x 10 g**	**535840**
Refill Liquid	**1 x 8 g**	**535839**

Clinical accessories

OptraSculpt® Next Generation

OptraSculpt® Next Generation is a contouring instrument for the efficient contouring of composite restorations in the posterior region.

The two-component attachments produced in a special procedure facilitate the modellation of smooth and esthetic high-quality filling surfaces. The attachment shapes are specifically designed for the posterior region and allow for a natural-looking recreation of anatomical tooth structures such as cusp slopes, fissures and proximal margins.

Areas of application:

Suitable for adapting, shaping and contouring of uncured sculptable composite materials. Also suitable for lab composites.

Benefits:

✔ Three attachment shapes for the professional creation of demanding anatomical structures
✔ Optimum working angle for the posterior region
✔ Hygienic dispenser box for easy access to attachments

Delivery forms

OptraSculpt® Starter Kit		683067
OptraSculpt Instrument	1x	
Ball	20x	
Chisel	20x	
Point	20x	
Refill OptraSculpt® Ball	60x	683068
Refill OptraSculpt® Chisel	60x	683069
Refill OptraSculpt® Point	60x	683100

OptraSculpt® Pad

OptraSculpt® Pad is a contouring instrument with special foam pad attachments designed for the efficient, non-stick contouring and shaping of composites. The highly flexible synthetic foam pads optimally adjust to the anatomical contours and allow smooth modelling, without leaving any unwanted marks on the composite restoration.

Areas of application:

Suitable for adapting, shaping and contouring of uncured sculptable composite materials. Also suitable for lab composites.

Benefits:

✔ Anti-stick effect: reduced adhesion of the composite to the instrument
✔ Professional esthetics due to homogeneous surface design and reference scales on the instrument handle
✔ Reduced effort required for finishing and polishing

Reference scale on the instrument handle:
The continuous vertical lines show ideal average tooth widths, the dotted vertical lines average esthetic axial inclinations of the maxillary anterior teeth.

Delivery forms

OptraSculpt & OptraSculpt Pad Kit – Delivery Pack		765559AN
OptraSculpt Instrument	1x	
OptraSculpt Pad Instrument	1x	
Ball	20x	
Chisel	20x	
Point	20x	
OptraSculpt Pad Refill/4 mm	60x	
Assortment		639791
OptraSculpt Pad Instrument	1x	
OptraSculpt Pad Refill/4 mm	60x	
OptraSculpt Pad Refill/6 mm	60x	
OptraSculpt® Pad Refill/4 mm	60x	639792
OptraSculpt® Pad Refill/6 mm	60x	639793
Refill OptraSculpt® Pad Instrument	1x	759593

Cavifil® Injector

Instrument for the application of dental restorative materials supplied in Cavifils from Ivoclar.

Delivery forms

Refill Cavifil® Injector "New Design"	1x	627882

VivaPad

Light-protected mixing plate for dual- and light-curing composites and adhesives.

Delivery forms

VivaPad	1x	533648

Polyart Mixing Pad

Universally usable mixing pad with 60 pages to tear off.

Sizes:

50 x 70 mm

Delivery forms

Mixing pad 50 x 70 mm	1x	591204

VivaBrush G

The disposable applicator allows the application of fine, smooth layers of varnish, e.g. Cervitec F or Fluor Protector S, either selectively or over larger areas.

Delivery forms

Refill	50x	631170

Vivadent® Applicator

Disposable brushes for the application of liquid and low-viscosity dental materials.

Available in four sizes/shapes:

- Regular (blue) for normal preparations
- Small (violet) for micro-cavities
- White
- Black

Delivery forms

Applicator	50x	
Regular		631699
Small		562168
White		603949
Black		695128

Application tips

Application tips for syringes and bottles

Delivery forms

Application tips Redesign ø 0.4 mm	20x	634847
for IPS Empress Direct Color, Helioseal Clear, Helioseal F Plus		
Application tips Redesign ø 0.6 mm	20 x	634819
for Total Etch		
Application tips Redesign ø 0.9 mm	20x	634849
for Tetric EvoFlow, IPS Empress Direct Effect, IPS Empress Direct Opaque		
Application tips Redesign ø 1.2 mm	20x	669838
for Tetric PowerFlow		
VivaPen Snap-on cannulas		
for Adhese Universal	100x	745762
	300x	745763
Application tips	20x	533669
for Heliobond bottles		
Application tips ø 0.9 mm (blue)	20x	550587
for Total Etch		

Silamat® S6

Form and function – perfectly mixed

Areas of application:

Modern universal mixer for amalgam, glass ionomer cements and other predosed dental materials in capsules and injection capsules.

Benefits:

- ✔ Attractive design for the modern dental practice
- ✔ Thanks to its rounded shape and the removable cover, the unit can be cleaned easily
- ✔ Tried-and-tested Silamat technology
- ✔ Above-average speed of 4,500 rpm
- ✔ Special figure-of-eight pattern and patented mixing fork
- ✔ Compatible with all popular capsules and injection capsules in various shapes and sizes
- ✔ Three-year warranty
- ✔ Voltage 100 – 240 VAC

Delivery forms

Silamat® S6	100 – 240 VAC	602286

Light-polymerization units

Bluephase® PowerCure

The high-performance Bluephase® PowerCure features a light intensity of up to 3,000 mW/cm^2 and enables extremely short exposure times starting from 3 seconds.

Area of application:
Curing light for the polymerization of all popular light-curing dental materials in the wavelength range of 385 – 515 nm.

Benefits:
✔ Light intensity of up to 3,000 mW/cm^2 in the 3s Cure program for extremely short exposure times starting from 3 seconds
✔ Very short curing times from 3 seconds help save time and heighten efficiency (in conjunction with Adhese Universal, Tetric PowerFill and Tetric PowerFlow)
✔ Integrated intelligent Polyvision light-curing assistant
✔ Polywave LED with broad wavelength range of 385 – 515 nm, suitable for all popular dental materials
✔ Four programs:
  – 3s Cure: 3,000 mW/cm^2 – 3 seconds
  – Turbo: 2,000 mW/cm^2 – 5 seconds
  – High: 1,200 mW/cm^2 – 10, 15, 20 seconds
  – PreCure: 2 seconds
✔ PreCure program for the clean-up of excess cement
✔ Click&Cure corded operation for battery-independent use; includes radiometer
✔ Cordless design for ultimate mobility
✔ 10>9-mm light guide
✔ Short light guide: all tooth surfaces can be easily reached without the patient having to open their mouth extra wide
✔ Inductive charging prevents soiling of the charging contacts of the battery
✔ Battery status is visible from a far distance due to the clear charging indicator on the charging station
✔ High-performance lithium ion battery for a total of 20 minutes of operation in the HIGH mode
✔ Uniform polymerization due to homogeneous distribution of light throughout the entire light emission window of the light guide
✔ Backlit display
✔ Radiometer integrated in the charging station (optional)
✔ 3-year warranty (1-year warranty for battery)
✔ Available in grey

Delivery forms

Bluephase® PowerCure 100 – 240 V (incl. radiometer)	**1x**	**667092**
Bluephase® PowerCure Kit		
Bluephase PowerCure 100 – 240 V	1x	
Tetric PowerFlow, shade IVA	1 x 2 g	
Tetric PowerFill, shade IVA,	1 x 3 g or	
syringe or Cavifil	20 x 0.2 g	
Adhese Universal Kit VivaPen	1 x 2 ml/40	
Bluephase PowerCure Syringe Kit		760684
Bluephase PowerCure Mixed Kit		760685
Bluephase® PowerCure handpiece		667093

Bluephase® G4

Bluephase® G4 is the first Bluephase LED curing light featuring the personal and patented assistance system Polyvision.

Area of application:

The LED curing light of the 4th LED generation with a light intensity of 1,200 mW/cm^2 is used for the polymerization of all light-curing dental materials curing in the wavelength range of 385 – 515 nm.

Benefits:

- ✔ Integrated intelligent Polyvision light-curing assistant
- ✔ Broad wavelength range of 385 – 515 nm, suitable for all popular dental materials
- ✔ High light intensity of 1,200 mW/cm^2 for short exposure times starting from 10 seconds
- ✔ PreCure program for the removal of excess cement
- ✔ Click&Cure corded operation for battery-independent use
- ✔ Cordless design for ultimate mobility
- ✔ 10-mm light guide for time-saving one-time exposure
- ✔ Short light guide: all tooth surfaces can be easily reached without the patient having to open their mouth extra wide
- ✔ Inductive charging prevents soiling of the charging contacts of the battery
- ✔ Charging base with charging indicator permits recognition of the charging status from large distances
- ✔ High-performance lithium ion battery for a total of 20 minutes of operation in the HIGH mode
- ✔ Uniform polymerization due to homogeneous distribution of light throughout the entire light emission window of the light guide
- ✔ Backlit display
- ✔ Radiometer integrated in the charging station (optional)
- ✔ 3-year warranty (1-year warranty for battery)
- ✔ Available in grey, green, pink, blue

Delivery forms

Bluephase® G4 100 – 240 V (grey)	1x	691258
Bluephase® G4 100 – 240 V (grey, incl. radiometer)	1x	691257
Bluephase® G4 100 – 240 V (blue)	1x	691254
Bluephase® G4 100 – 240 V (blue, incl. radiometer)	1x	691253
Bluephase® G4 100 – 240 V (green)	1x	691264
Bluephase® G4 100 – 240 V (green, incl. radiometer)	1x	691260
Bluephase® G4 100 – 240 V (pink)	1x	691268
Bluephase® G4 100 – 240 V (pink, incl. radiometer)	1x	691267

Bluephase® EasyCure

Bluephase® EasyCure is designed for the intraoral polymerization of light-curing dental materials. The device offers a slim yet effective solution with user-friendly, one-button operation for easy handling.

Area of application:

As a 4th-generation LED device with a light intensity of 1200 mW/cm², Bluephase® EasyCure is ideal for the efficient polymerization of all light-curing dental materials within a wavelength range of 385–515 nm.

Benefits:

- ✓ Easy operation with just one button
- ✓ High intensity to cure all types of restorations
- ✓ Wide, rotable light guide
- ✓ Cordless design for maximum mobility in the dental practice
- ✓ Uniform polymerization due to homogeneous distribution of light
- ✓ Reliable polymerization and curing results
- ✓ Compatible with all common dental photoinitiators and materials without restrictions thanks to Polywave technology
- ✓ Low heat generation to protect the pulp
- ✓ Backlit display for optimal hygiene
- ✓ Inductive battery charging eliminates contaminated charging contacts
- ✓ Consistent light intensity throughout its 5-year lifespan

Delivery forms

Bluephase EasyCure 100-240 V	1x	762137

Bluephase® Meter II

The dental radiometer

Bluephase® Meter II is a precise dental radiometer for the quick and easy verification of the light intensity of all types of curing lights.

Area of application:

Enables exact and unrestricted verification of the light intensity in [mW/cm^2] and the light output in [mW] of all curing lights in the wavelength range of 380 – 550 nm with an accuracy tolerance of ±10% as compared to the measurement with an integrating sphere.

Benefits:
✔ Innovative measuring principle offering an unprecedented measuring accuracy for dental radiometers
✔ Universally applicable for any curing light (halogen, plasma, LED devices, etc.)
✔ Integrated template to determine the diameter of circular light guides between 6–12 mm
✔ Additional program to determine the light output in milliwatt [mW] analogue to an integrating sphere
✔ Digital display
✔ Ergonomic and modern design
✔ 3-year warranty

Delivery forms

Bluephase® Meter II		1x	667124

Delivery forms and accessories		Bluephase® G4	Bluephase® PowerCure	Bluephase® Easy Cure
Curing light 100 – 240 V, complete		691258	–	762137
Curing light 100 – 240 V incl. radiometer, complete		691257	667092 grau	—
Bluephase Meter II	667124	✔	✔	✔
10-mm light guide, black	691265	✔ ■	—	✔ ■
10 > 9-mm light guide, black	668873	—	✔ ■	—
6 > 2 mm (Pin-Point), black	691264	✔	✔	✔
Protective covers	691666	✔ ■	✔ ■	✔ ■
Anti-glare cone	551756	✔ ■	✔ ■	✔ ■
Anti-glare shield	691255	✔ ■	✔ ■	✔ ■
Battery	691251	✔ ■	✔ ■	✔ ■
Handpiece holder	691262	✔ ■	✔ ■	✔ ■

■ Included in Delivery forms ✔ Available as accessory

Polishers

OptraGloss®

Efficient and advanced universal polishing system for the high-gloss polishing of composite filling materials and ceramic materials. A high-gloss finish and smooth surfaces are achieved in only one working step for composites and in only two steps for ceramics. OptraGloss polishers can be autoclaved and re-used.

Shapes:

– Flame PP
– Cup PP
– Lens PP
– Flame HP
– Cup HP
– Lens HP
– Spiral wheel HP

Areas of application:

– Clinical polishing of glass-ceramic, feldspathic-ceramic and oxide-ceramic restorations
– Clinical polishing of composite resin restorations

Benefits:

✔ Radiant high-gloss restoration surfaces in no time
✔ High wear resistance
✔ Autoclavable and reusable
✔ Two-step polishing system for ceramics

Delivery forms

Assortment		684548
Flame PP, cup PP, lens PP	2 x each	
Flame HP, cup HP, lens HP, spiral wheel HP	2 x each	

Ceramic Kit		684555
Flame PP, cup PP, lens PP	1 x each	
Flame HP, cup HP, lens HP, spiral wheel HP	1 x each	

Composite Kit		701870
Flame HP, cup HP, lens HP, spiral wheel HP	2 x each	

Refill	10 x each	
Flame PP		684553
Cup PP		684549
Lens PP		684551
Flame HP		684554
Cup HP		684550
Lens HP		684552
Spiral wheel HP		721094

OptraGloss® Extra Oral

OptraGloss® Extra Oral is a universal two-step polishing system for extraoral use, which can be supplemented with an optional polishing paste. In just a few minutes, unpolished restorations can be polished to a high gloss. The polishers are ideal for finishing oxide ceramics and glass-ceramics, such as IPS e.max ZirCAD Prime, IPS e.max CAD, IPS Empress CAD und PMMA such as e.g. Telio CAD and Compositen such as e.g. Tetric CAD.

Shapes:

- Disc
- Flame
- Spiral Wheel

Areas of application:

For polishing zirconium oxide (e.g. IPS e.max ZirCAD Prime) and glass-ceramics (e.g. IPS e.max CAD, IPS Empress CAD):

- Step 1: Pre-polishing with OptraGloss Extra Oral PP (dark blue).
- Step 2: High-gloss polishing with OptraGloss Extra Oral HP (light blue)
- Optional: Polishing with OptraGloss Extra Oral Polishing Paste together with a goat-hair brush.
- Use only the light blue polishers for polishing PMMA (e.g. Telio CAD) or composites (e.g. Tetric CAD)

Benefits:

- ✓ Suitable for oxide- and glass-ceramics – zirconium oxide in the sintered and unsintered state, lithium disilicate before and after crystallization – as well as PMMA and composite
- ✓ Easy and efficient application
- ✓ Cost-effective due to long service life and additional time savings in the workflow

Delivery forms

OptraGloss Extra Oral Starter Kit		761301
Flame PP extraoral	2x	
Disc PP extraoral	1x	
Spiral Wheel PP extraoral	2x	
Flame HP extraoral	2x	
Disc HP extraoral	1x	
Spiral Wheel HP extraoral	2x	
Paste extraoral	1x	

OptraGloss Extra Oral Assortment		761299
Flame PP extraoral	2x	
Disc PP extraoral	1x	
Spiral Wheel PP extraoral	2x	
Flame HP extraoral	2x	
Disc HP extraoral	1x	
Spiral Wheel HP extraoral	2x	

Refill	je 5x	
Flame PP		761302
Disc PP		761304
Spiral Wheel PP		761316
Flame HP		761303
Disc HP		761305
Spiral Wheel HP		761317
Polishing Paste		761318

Products not available in all markets.

Politip®

Multiple-use finishing and polishing system for composite resin and amalgam.

Areas of application:

Politip® is suitable for the finishing (F) and polishing (P) of composite resin and amalgam restorations.

Shapes:

- Small cup
- Large cup
- Flame

Delivery forms

Refill Politip®-F	6 x each	
Flame		533602
Large cup		533603
Small cup		533604

Refill Politip®-P	6 x each	
Flame		533584
Large cup		533585
Small cup		533587

Prosthetics
Registration devices

UTS 3D universal transfebow system

This system permits skull/joint-related orientation of models into the Stratos articulators according to patients' individual data. The UTS 3D transferbow is adjustable according to the Frankfort Horizontal (FH) or Campers Plane (CP). The 3D registration joint can be rapidly and precisely fixed with only one tommy screw. The use of lightweight carbon-fibre components and an exchangeable nose pad ensure high wearing comfort.

Delivery forms

UTS 3D		593710
Adjustable nosepiece	1x	
Reference plane indicator (CP/FH)	1x	
Axis pins	2x	
Earpieces	2x	
Registration joint	1x	
Bite forks	2x	
Nose pads	10x	

UTS 3D accessories

3D registration joint

The 3D registration joint can be used for the UTS 3D and UTS transferbows (older version). The registration joint can be rapidly and precisely be fixed with only one tommy screw.

Delivery forms

3D registration joint	1x	594566

Bite forks

a) 3D bite fork "S"
b) 3D bite fork

Delivery forms

3D bite fork "S"	1x	601119
3D bite fork	1x	594567

Nose pads

c) Set of nose pads green (medium)
d) Set of nose pads blue (soft)
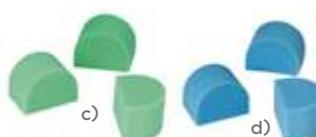
Delivery forms

Nose pads set		
Green = medium	5x	561265
Blue = soft	5x	561266

UTS support pins type II

The UTS support pin type II enables a direct, individual model transfer from the transferbow to the articulator.

Delivery forms

UTS support pins type II		536400
Base part	1x	
Pins	2x	
Various accessories		

Gnathometer M incl. UTS adapter

Gnathometer M incl. UTS adapter is an intraoral registration device according to Prof. Dr Böttger for the determination of occlusal positions of edentulous patients. The Gnathometer M is equipped with an adapter to connect it to the UTS 3D transferbow.

Delivery forms

Gnathometer M (complete)	1x	530484

Centric Tray

Centric Tray is an impression tray for the time-saving determination of jaw relations in complete and partial denture prosthetics. In combination with UTS CAD you can determine the occlusal plane during the first appointment.

Delivery forms

Centric Tray		559166
Centric Tray	1x	
Regular supports	3x	
Supporting wings	3x	

Preparation and registration in the Digital Denture workflow

The fabrication of complete dentures using CAD/CAM technology requires specific instruments along the process chain. The workflow starts with impression taking and the recording of the patient situation using several clinical auxiliary tools for optimized individual data recording. This information is transferred to the design software and is subsequently included in the design of the denture.

Gnathometer CAD

Gnathometer CAD is an intraoral needle point tracing apparatus to determine the individual centric jaw joint position in edentulous patients.

The registration plates feature special click connections. This mechanism allows occlusal rims and registration plates to be attached and removed very easily in order to carry out the different working steps. For digitization, the registration is placed in the scanner by means of a special impression holder.

- ✔ Material registration plates: stainless steel
- ✔ Material occlusal rims: white POM
- ✔ Material fixation plates: clear PMMA
- ✔ Adjustment of the height of the stylus: 5 mm
- ✔ Weight: 29 g

Delivery forms

Gnathometer CAD	1 pc.	687679
Registration plate upper	1x	
Registration plate lower	1x	
Occlusal rim	2x	
Fixation plate	1x	
Fixation screw	1x	
Washer	1x	
Stylus	1x	

Accessories		
Occlusal rims for Gnathometer CAD	10 pcs	687681
Fixation plates for Gnathometer CAD	5 pcs	687682

UTS CAD

UTS CAD is a registration device for measuring the angle of the occlusal plane in relation to Camper's plane (CP) and the bipupillary line (BP).

The measured angle or deviation of the occlusal plane from CP / BP can be transferred to the design software to reproduce the correct position of the occlusal plane in the design of the denture.

- ✔ Material metal parts: anodized aluminium, stainless steel
- ✔ Material side arms: carbon fibre composite material, NBR (nitrile rubber)
- ✔ Adjustment possibilities: CE angle +20° to –30°
                                            BP angle +/- 15°
- ✔ Side length basic bow: 200 mm
- ✔ Width basic bow: front 155 mm, back 225 mm
- ✔ Weight: 98 g (incl. bite fork)

Delivery forms

UTS CAD	1 pc.	687680
Accessories		
3D bite forks	5 pcs	594567

Milling machines and software

PrograMill® PM7

If you are looking for efficiency and performance, then the high-performance PrograMill® PM7 is the right choice for you. This machine is suitable for a versatile variety of materials and applications in wet and dry milling processes.

Equipped with a high-performance spindle, the high-power 5-axis milling machine efficiently produces restorations that are distinguished by their outstanding surface quality and excellent accuracy of fit.

Delivery forms

PrograMill® PM7 system	**1 pc.**	**689240**

Milling machine, material holder, tools,
Operating Instructions, accessories

Accessories

PrograMill disc holder for PM7/PM5/PM3	7 pcs	689242
IPS e.matrix for PM7/PM5/PM3	1 pc.	689241
RFID container for disc holder	1 pc.	689246
RFID container for IPS e.matrix	1 pc.	721371
Spindle protection cap for PM7	5 pcs	740699
PrograMill micrometer	1 pc.	697681
PrograMill tool green 2.5 for PM7	1 pc.	689024
PrograMill tool green 1.0 for PM7	1 pc.	689025
PrograMill tool green 0.5 for PM7	1 pc.	689026
PrograMill tool safety pin for PM7	1 pc.	695045
Collet for PM7	1 pc.	749932
Spindle maintenance set for PM7	1 pc.	689253
Tool magazine for PM7	1 pc.	689251

Ivoclar Monitoring

Ivoclar Monitoring lets you monitor your Ivoclar lab equipment from anywhere. Receive real-time updates and push notifications from G2 devices of the PrograMill and Programat series.

* Smart, transparent and free of charge.

Available free of charge in the App store

GET IT ON **Google Play**

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PrograMill® PM3

High precision and consistent results are the distinguishing features of the PrograMill® PM3. This 5-axis milling machine provides great flexibility. It can process a diverse range of materials for a versatile spectrum of applications in both wet and dry operation.

The PrograMill PM3 is more than an entry-level dental mill: It offers technical sophistication, intuitive operation and high-quality results.

Delivery forms

PrograMill® PM3 system	**1 pc.**	**689238**

Milling machine, material holder, tools, Operating Instructions, accessories

Accessories

PrograMill disc holder for PM7/PM5/PM3	7 pcs	689242
IPS e.matrix for PM7/PM5/PM3	1 pc.	689241
RFID container for disc holder	1 pc.	689246
RFID container for IPS e.matrix	1 pc.	721371
Spindle protection cap for PM5/PM3	5 pcs	740700
PrograMill micrometer	1 pc.	697681
Collet for PM5/PM3	2 pcs	749661
Collet wrench for PM5/PM3	1 pc.	741450
PrograMill tool green 2.5 for PM5/PM3	1 pc.	689047
PrograMill tool green 1.0 for PM5/PM3	1 pc.	689048
PrograMill tool green 0.5 for PM5/PM3	1 pc.	689049
Spindle maintenance set for PM5/PM3	1 pc.	689252
Tool magazine for PM5/PM3	1 pc.	702053

PrograMill® Suction Unit

The PrograMill suction unit is ideally adapted to the requirements of the PrograMill milling machines. The use of cyclone technology enables up to 95% of the coarse particles to be separated in a pre-separation stage.

Delivery forms

PrograMill Base Set (incl. suction unit and tank)	**set 1**	**689970**
PrograMill Base (without devices)	**1 pc.**	**689971**
PrograMill Base Inlay	**1 pc.**	**689972**
PrograMill Suction Unit	**1 pc.**	**689973**
PrograMill Tank	**1 pc.**	**689978**
PrograMill Prefilter for Suction Unit (replacement)	**1 pc.**	**689974**
PrograMill Fine Filter for Suction Unit (replacement)	**1 pc.**	**689975**
PrograMill Tank	**1 pc.**	**689978**
PrograMill Filter for Tank (replacement)	**1 pc.**	**689979**
PrograMill Filtercartridge for Tank (replacement)	**1 pc.**	**689980**

PrograMill® Base

The PrograMill Base combines function and esthetics. The modern base cabinet integrates a powerful and low-noise coolant system – the optimal foundation for the PrograMill milling machines PM7, PM5 and PM3. The PrograMill Suction Unit has different filter levels for filtering harmful particles. The PrograMill Tank has a capacity of 15 litres and automates the wet processing procedure. The drawer includes a specifically designed insert for accommodating materials, tools and accessories.

PograMill® DRY

PograMill® DRY is a compact 5-axis dry milling machine and combines coordinated processes with high-quality materials, mature technologies and comfortable handling.

Thanks to its compact design, the mill scores highly on flexibility. The machine manufactures crowns and bridges from zirconium oxide and innovative digital denture solutions from PMMA materials, such as full dentures from the Ivotion discs.

The mill also features a quick clamping system that can be operated with just one hand and without the need for additional tools, making changing materials intuitive and simple.

Delivery forms

PograMill® DRY system	1 pc.	746260
Milling machine, tools, Operating Instructions, accessories		

Accessories

Spindle maintenance set	1 pc.	746383
Administrated tool board	1 pc.	746384
Calibration set PograMill DRY incl.	1 pc.	747808
Micrometer (item no. 667766)	1 pc.	
Test specimen blanks (item no. 667766)	3 pcs	
Calibration cutter (item no. 667766)	1 pc.	
Tool magazine inserts PograMill DRY	2 pcs	747791
Adapter for connecting the extraction system	1 pc.	666564
PograMill tool yellow 2.5 for PograMill DRY	2 pcs	748043
PograMill tool yellow 1.0 for PograMill DRY	2 pcs	748042
PograMill tool yellow 0.7 for PograMill DRY	2 pcs	748041
Ivotion denture ring PograMill DRY	1 pc.	750661
Key for emergency release of the working chamber door	2 pcs	682383
Measurement pin	1 pc.	659320
Drill for tool positions	1 pc.	747804
USB cable	1 pc.	747764

Product comparison

Overview of technical data	PrograMill PM7	PrograMill PM3	PrograMill DRY
Material magazine	8 discs / e.matrix holder	1 disc / e.matrix holder	1 disc
Block / Disc process	✓ / ✓	✓ / ✓	– / ✓
Automatic tool changer	20	13	16
Harmonic drive gear	✓	✓	–
Stepper motors	–	–	✓
Servomotors	✓	✓	–
Zero-point clamping system	✓	✓	–
Spindle	Jaeger 970 W / 60,000 rpm	Jaeger 390 W / 60,000 rpm	SFK 300P 500 W / 60,000 rpm
Ionizer	✓	–	–
Automatic machine calibration	–	–	–
Internal PC	✓	✓	–
Internal high-resolution touchscreen display	✓	✓	–

Areas of application	PrograMill PM7	PrograMill PM3	PrograMill DRY
Veneers, thin veneers, occlusal veneers	✓	✓	✓
Inlays, onlays, partial crowns	✓	✓	✓
Full-contour crowns	✓	✓	✓
Full-contour bridges	✓	✓	✓
Crown frameworks	✓	✓	✓
Bridge frameworks	✓	✓	✓
Multi-unit bridges	✓	✓	✓
Tooth segments	✓	✓	✓
Denture bases	✓	✓	✓
Digital full arch dentures	✓	✓	✓
Telescopes	✓	✓	–
Attachments	✓	✓	✓
Functional try-ins	✓	✓	✓
Impression and functional trays	✓	✓	✓
Bite registrations, transfer templates	✓	✓	✓
Occlusal splints, drilling templates	✓	✓	✓
Models	✓	✓	✓
Abutment Solutiions	✓	✓	–

CAM software

The CAM software presents the interface between the design software and the milling machine and plays a crucial role. The CAM software converts design data into milling data and calculates the required milling paths. The milling strategies have a decisive influence on the quality and accuracy of fit of the restorations and can be flexibly adjusted to meet customer needs.

PrograMill® CAM 2024

The software PrograMill CAM V4, which is adapted to the PrograMill® milling machines, utilizes the entire potential of the milling machines. The software is distinguished by its very short calculation times and the 5-axis simultaneous control of the machine.

Includes all necessary licences for the PrograMill milling machines

✔ Milling and grinding Ivoclar materials included
✔ Wet processing of IPS e.max CAD included
✔ Open for third-party materials
✔ Flexible upgrade options

Delivery forms

PrograMill CAM Set inkl. RFID-Reader		691953
PrograMill CAM software 2022		756233
Upgrade PrograMill CAM Software		756234
Upgrade CAM V3 → PrograMill CAM 2021 (existing licences remain valid)		690258
Upgrade Zenotec CAM V3 → PrograMill CAM 22 (existing licences remain valid)		757683
PrograMill CAM PC (without mouse, keyboard and monitor)		691691
RFID reader (read/write module)	1 pc.	664340
Widescreen monitor	1 pc.	697508
Optical mouse	1 pc.	751604
Keyboard		
German	1 pc.	662911
US/EURO	1 pc.	747635
Spanish	1 pc.	747631
Italian	1 pc.	747632
French	1 pc.	747633
LIcence PrograMill		676270

Block Module (part of Ivoclar Workplace)

The Ivoclar Block Module CAM software was specifically developed for processing Ivoclar blocks with the PrograMill PM7 milling machine.

Optimized grinding times for IPS e.max CAD, IPS Empress CAD and Tetric CAD result in higher productivity and help expedite patient treatment. Automated nesting and pinning as well as fast calculation of the tool path lead to a faster and more efficient workflow. The new adaptive grinding technology enables intelligent control of the tool path, resulting in faster processing in outstanding surface quality.

The Block Module is available via Ivoclar Workplace. All information about Ivoclar Workplace is available on this landing page:
https://www.ivoclar.com/block-module

PrograMill® material holders

Powerful holders for the PrograMill® machines PM7, PM5 and PM3 have been developed to ensure optimum processing of Ivoclar Digital CAD/CAM materials.

PrograMill® disc holder

A powerful holder has been developed for the PrograMill machines PM7, PM5 and PM3, which is distinguished by its zero-point clamping system. It ensures the optimum processing of discs with a circumferential groove of 10 mm.

The secure fit of all material discs results in high-quality milling results.

Delivery forms

PrograMill® disc holder for PM7/PM5/PM3	1 pc.	689242

Digital Denture holder

A special ring has been developed to modify the PrograMill disc holder for the Digital Denture process. It allows Ivotion to be secured in a predefined position and an already processed disc to be re-positioned accurately.

A denture, which has already been milled from the upper side, can therefore be easily removed so that the prefabricated teeth can be adhesively secured in place and then re-positioned for further processing.

Delivery forms

Digital Denture holder ring for PM7/PM5/PM3	1 pc.	689245

IPS e.matrix®

The patented multi-holder IPS e.matrix for PM7/PM5/PM3 enables up to six blocks to be milled in one grinding sequence, depending on the block size.

The IPS e.matrix for PM7/PM5/PM3 can be easily removed from the materials magazine and can be conveniently loaded outside the unit. The multi-holder is ideally adapted to the PrograMill machining strategies.

Delivery forms

IPS e.matrix for PM7/PM5/PM3	1 pc.	689241

PrograMill® abutment holder for Medentika

The PrograMill® abutment holder for Medentika has been exclusively developed for the PrograMill PM7 milling machine and is suitable for a comprehensive range of implant interfaces.

The holder allows you to mill highly precise, individual abutments using titanium preforms.

Processing begins right after having inserted the holder into the milling machine. Calibration is not required.

Delivery forms

PrograMill abutment holder for Medentika set PM7	1 pc.	755224
PrograMill abutment holder for Medentika Instructions for Use PrograMill tool blue 3.0c for PM7 PrograMill tool blue 2.0c for PM7 PrograMill tool blue 1.5c for PM7 PrograMill tool blue 1.0c for PM7 Allen key		
PrograMill abutment holder for Medentika set PM5/3	1 pc.	756213
PrograMill abutment holder for Medentika Instructions for Use PrograMill tool blue 2.0c for PM3/5 PrograMill tool blue 1.5c for PM3/5 PrograMill tool blue 1.0c for PM3/5 Allen key		
PrograMill abutment holder for Medentika single	1 pc.	755225

PrograMill® abutment holder for NT-trading

The PrograMill® abutment holder for NT-trading has been exclusively developed for the PrograMill PM7 milling machine and is suitable for a comprehensive range of implant interfaces.

The holder allows you to mill highly precise, individual abutments using titanium preforms.

Processing begins right after having inserted the holder into the milling machine. Calibration is not required.

Delivery forms

PrograMill abutment holder for NT-trading set	1 pc.	747869
PrograMill abutment holder for NT-trading Instructions for Use PrograMill tool blue 3.0c for PM7 PrograMill tool blue 2.0c for PM7 PrograMill tool blue 1.5c for PM7 PrograMill tool blue 1.0c for PM7 Allen key		
PrograMill abutment holder for NT-trading single	1 pc.	747870
For PrograMill PM3/5:		
Abut. holder NT-trading set PM3/5		756211
Abut.holder NT-trading single PM3/5		756212

PrograMill® Tools

GLASS-CERAMICS / COMPOSITES

ZIRCONIUM OXIDE

PMMA / DCL

PrograMill PM7

Processing blocks and discs

g3.0   g2.0   g1.0   g0.5

689018	PrograMill tool red g3.0 for PM7	1 pc.
689019	PrograMill tool red g2.0 for PM7	1 pc.
689020	PrograMill tool red g1.0 for PM7	1 pc.
689021	PrograMill tool red g0.5 for PM7	1 pc.

2.5c   1.0c   0.5c   2.5   1.0   0.5

689012	PrograMill tool yellow 2.5c for PM7	1 pc.
689013	PrograMill tool yellow 1.0c for PM7	1 pc.
689014	PrograMill tool yellow 0.5c for PM7	1 pc.
689015	PrograMill tool yellow 2.5 for PM7	1 pc.
689016	PrograMill tool yellow 1.0 for PM7	1 pc.
689017	PrograMill tool yellow 0.5 for PM7	1 pc.

5.0   f1.5   2.5c   1.0c   0.5c

689022	PrograMill tool green 5.0 for
689023	PrograMill tool green f1.5 for
689024	PrograMill tool green 2.5c for
689025	PrograMill tool green 1.0c for
689026	PrograMill tool green 0.5c for

PrograMill PM3 / PM5

Processing blocks and discs

g2.8   g2.0   g1.0   g0.5

712774	PrograMill tool red g2.8 for PM3/5	1 pc.
689043	PrograMill tool red g2.0 for PM3/5	1 pc.
689044	PrograMill tool red g1.0 for PM3/5	1 pc.
689045	PrograMill tool red g0.5 for PM3/5	1 pc.

2.5c   1.0c   0.5c   2.5   1.0   0.5
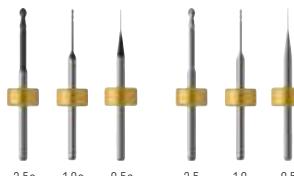
689036	PrograMill tool yellow 2.5c for PM3/5	1 pc.
689037	PrograMill tool yellow 1.0c for PM3/5	1 pc.
689038	PrograMill tool yellow 0.5c for PM3/5	1 pc.
689039	PrograMill tool yellow 2.5 for PM3/5	1 pc.
689040	PrograMill tool yellow 1.0 for PM3/5	1 pc.
689041	PrograMill tool yellow 0.5 for PM3/5	1 pc.

f1.5   2.5c   1.0c   0.5c

689046	PrograMill tool green f1.5 for
689047	PrograMill tool green 2.5c for
689048	PrograMill tool green 1.0c for
689049	PrograMill tool green 0.5c for

PrograMill DRY

Processing discs

2.5c   1.0c   2.5   1.0   0.7   0.3

748040	PrograMill tool yellow 2.5c for PM-DRY	1 pc.
748039	PrograMill tool yellow 1.0c for PM-DRY	1 pc.
748043	PrograMill tool yellow 2.5 for PM-DRY	1 pc.
748042	PrograMill tool yellow 1.0 for PM-DRY	1 pc.
748041	PrograMill tool yellow 0.7 for PM-DRY	1 pc.
748037	PrograMill tool yellow 0.3 for PM-DRY	1 pc.

f1.5   2.5c   1.0c   0.7c   2.5   1.
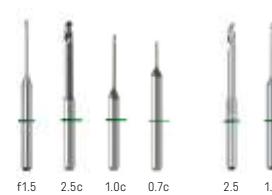
748050	PrograMill tool green f1.5 for
748049	PrograMill tool green 2.5c for
748048	PrograMill tool green 1.0c for
748047	PrograMill tool green 0.7c for
748046	PrograMill tool green 2.5 for
748045	PrograMill tool green 1.0 for
748044	PrograMill tool green 0.7 for

WAX

5.0 f1.5 2.5 1.0 0.5
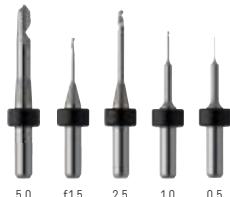
PM7	1 pc.	
PM7	1 pc.	
PM7	1 pc.	
PM7	1 pc.	
PM7	1 pc.	

689027	PrograMill tool black 5.0 for PM7	1 pc.
689028	PrograMill tool black f1.5 for PM7	1 pc.
689029	PrograMill tool black 2.5 for PM7	1 pc.
689030	PrograMill tool black 1.0 for PM7	1 pc.
689031	PrograMill tool black 0.5 for PM7	1 pc.

COBALT-CHROMIUM

3.0 2.0 1.5 1.0 0.6 t1.5i

760963	PrograMill tool blue CoCr 3.0 for PM7	1 pc.
760964	PrograMill tool blue CoCr 2.0 for PM7	1 pc.
760965	PrograMill tool blue CoCr 1.5 for PM7	1 pc.
760966	PrograMill tool blue CoCr 1.0 for PM7	1 pc.
760967	PrograMill tool blue CoCr 0.6 for PM7	1 pc.
754521	PrograMill tool blue CoCr t1.5i for PM7	1 pc.

TITANIUM

3.0 2.0 1.5 1.0 0.6 t1.5i

760968	PrograMill tool blue Ti 3.0 for PM7	1 pc.
760969	PrograMill tool blue Ti 2.0 for PM7	1 pc.
760970	PrograMill tool blue Ti 1.5 for PM7	1 pc.
760971	PrograMill tool blue Ti 1.0 for PM7	1 pc.
760972	PrograMill tool blue Ti 0.6 for PM7	1 pc.
760973	PrograMill tool blue Ti t1.5i for PM7	1 pc.

f1.5 2.5 1.0 0.5

PM3/5	1 pc.	
PM3/5	1 pc.	
PM3/5	1 pc.	
PM3/5	1 pc.	

689050	PrograMill tool black f1.5 for PM3/5	1 pc.
689051	PrograMill tool black 2.5 for PM3/5	1 pc.
689052	PrograMill tool black 1.0 for PM3/5	1 pc.
689053	PrograMill tool black 0.5 for PM3/5	1 pc.

2.0c 1.5c 1.0c 0.6c p2.0c p1.5c p1.0c
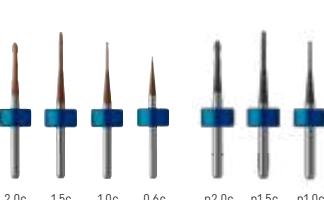
689054	PrograMill tool blue 2.0c for PM3/5	1 pc.
689055	PrograMill tool blue 1.5c for PM3/5	1 pc.
689056	PrograMill tool blue 1.0c for PM3/5	1 pc.
689057	PrograMill tool blue 0.6c for PM3/5	1 pc.
754738	PrograMill tool blue p2.0c for PM3/5	1 pc.
754739	PrograMill tool blue p1.5c for PM3/5	1 pc.
754740	PrograMill tool blue p1.0c for PM3/5	1 pc.

0 0.7

PM-DRY	1 pc.
PM-DRY	1 pc.
PM-DRY	1 pc.
PM-DRY	1 pc.
PM-DRY	1 pc.
PM-DRY	1 pc.
PM-DRY	1 pc.

Letter codes

c = coated
Coating for a longer tool life
and long-lasting performance

f = flat
Special geometry
with a flat cutting edge

i = implant
Special tool for implants

t = toric
Special geometry with a toric cutting edge,
especially for titanium processing

g = grinder
Diamond-coated grinder
for the wet processing of glass-ceramics

p = preform
Tools with a special coating
for the processing of preform abutments
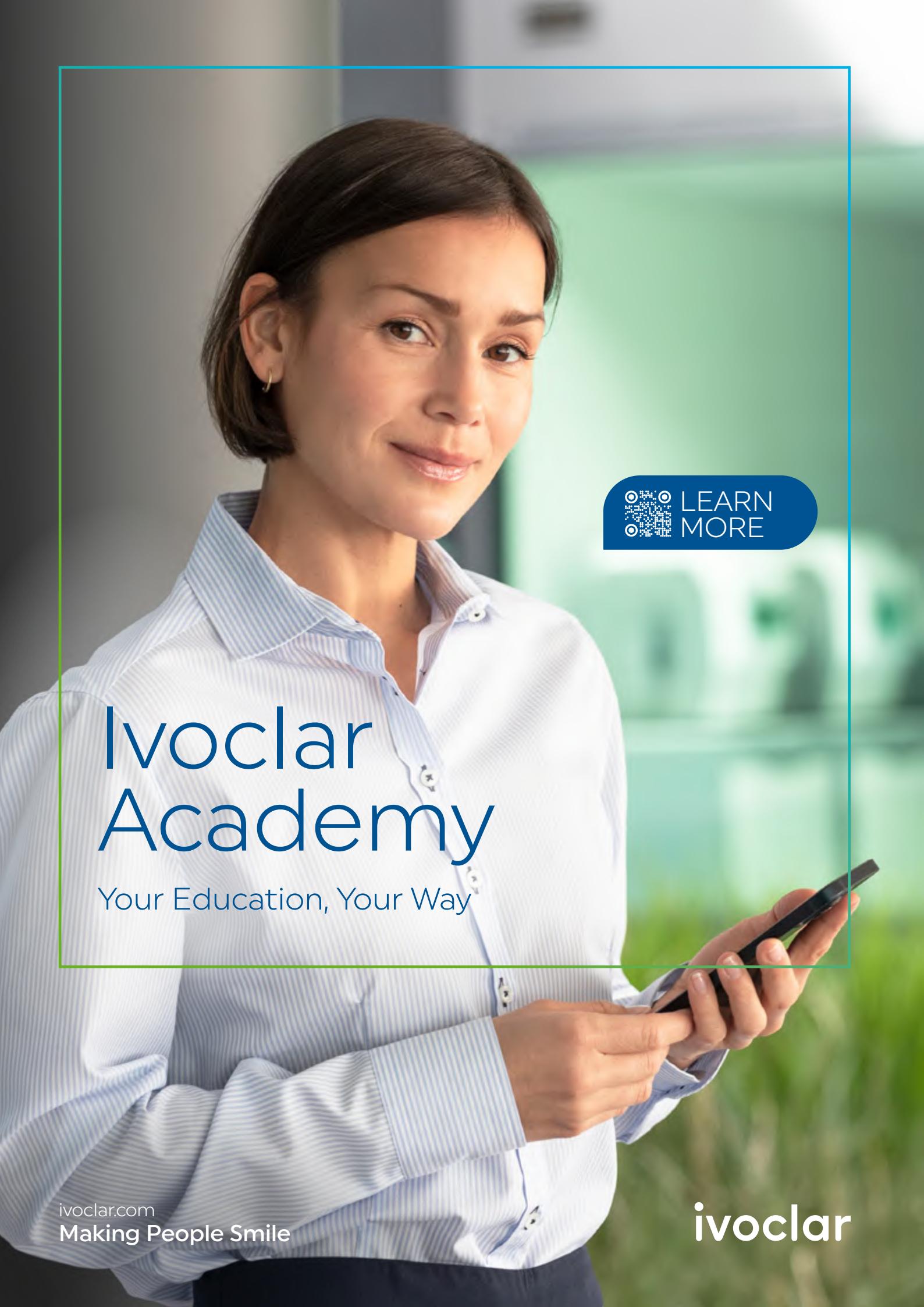
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CAD/CAM blocks

IPS e.max® CAD

Lithium disilicate glass-ceramics (LS$_2$)

IPS e.max® CAD is the best-selling glass-ceramic[1] worldwide. The material enables the efficient fabrication of full-contour restorations. It is distinguished by its flexibility, versatile field of applications and processing options and its high strength of 530 MPa.[2]

Both its esthetic properties and durability have been confirmed in everyday clinical practice.[3-5]

Processing options:

"Blue" restorations can be:
– polished and crystallized
– glazed and crystallized in a single step
– stained, glazed and crystallized in a single step

Types of restorations:

– Minimally invasive crowns (1 mm)[6]
– crowns
– Three-unit bridges (up to the second premolar as the terminal abutment)
– Implant-supported hybrid abutment restorations (hybrid abutments[7], hybrid abutment crowns)
– Veneers and occlusal veneers
– Inlays, onlays, partial crowns

Benefits:

✓ Excellent esthetics and high flexural strength of 530 MPa[2]
✓ 95.2% average survival rate over a period of 15 years[8]
✓ Efficient grinding of posterior crowns in only 08:07 minutes[9]
✓ Speed crystallization in 11:10 minutes in the Programat® CS6 [10] or 14:10 minutes in the CEREC® SpeedFire
✓ Broad spectrum of restorations for your chairside CAD/CAM applications
✓ 10-year guarantee
✓ Suitable for conventional, adhesive or self-adhesive cementation techniques

Block sizes[7]:

– 6 (I12, C14, C16, B32, B40 and B40 L) and 2 abutment block sizes (A14, A16)

Translucency levels[7]:

– 4 levels and 2 Impulse blocks (HT – High Translucency, MT – Medium Translucency, LT – Low Translucency, MO – Medium Opacity)

Shades[7]:

– Comprehensive range of shades: in A–D and BL shades (the range of shades varies depending on the translucency level), see pages 64–69.

Delivery forms

Refill IPS e.max® CAD blocks   see pages 64–69

Authorized CAD/CAM systems:

✓ **Ivoclar:**
  – PrograMill® PM3 / PM5 / PM7
  – Zenotec® select hybrid
✓ **Amann Girrbach:**
  – ceramill® mikro ic,
  – ceramill® motion 2 / motion 3 /drs
  – ceramill® matik / matron
✓ **Planmeca:**
  – PlanMill® 30 S / 40 / 40 S
✓ **Dentsply Sirona:**
  – inLab® MC XL / MC X5
  – CEREC® MC / MC X / MC XL / Primemill
✓ **VHF**
  – Z4
  – E4
  – N4+

[1] Based on global sales figures.
[2] Average biaxial flexural strength, Outcome after more than 10 years of ongoing quality testing, R&D Ivoclar, Schaan.
[3] Fasbinder D. J et al., Study report, 2017b.
[4] Rauch A et al., Clin. Oral Investig. 2018, 22, p. 1763-1769.
[5] Boldt J, Spitznagel F. A, Dtsch. Zahnaerztl. Z. 2017, 72 (4), p. 319-325.
[6] Long-term clinical evidence and the material's high strength allows the recommendation for crowns with a minimum layer thickness of 1 mm in combination with an adhesive cementation method.
[7] The offering varies, depending on the CAD/CAM system being used.
[8] Scientific Report: IPS e.max Vol. 04/2025, p. 7.
[9] Average grinding time of three posterior crowns, 08:07 minutes (CEREC Primemill, fast grinding mode), followed by superspeed crystallization in the Programat CS6, 11:10 minutes (HT, MT, LT / glaze spray or polishing technique), maximal two restorations, R&D Ivoclar, Schaan.
[10] Programat CS6, super-speed crystallization, 11:10 minutes, IPS e.max CAD HT, MT, LT, IPS e.max CAD Crystall./Glaze Spray or polishing technique (self glaze), maximum two restorations, R&D Ivoclar, Schaan.

CEREC®, inLab®, PlanMill® und ceramill® are not registered trademarks of Ivoclar Vivadent AG.

Blocks for CEREC®/inLab®
Refills

Shades

Translucency level (HT)

Given their high translucency, HT blocks are ideally suited for the fabrication of small restorations (e.g. inlays, onlays). Restorations m…

Size	Quantity	BL1	BL2	BL3	BL4	A1	A2	A3	A3.5	A4	B1	B2	B3	B…
I12	1 x 5 each	626423	626424	626425	626426	626391	626392	626393	626394	626395	626396	626397	626398	626…
C14	1 x 5 each	626427	626428	626429	626430	626407	626408	626409	626410	626411	626412	626413	626414	626…
B40	1 x 3 each		634603			634586	634587	634588	634589		634591	634592		
B40 L	1 x 3 each		648957			648870	648871	648942	648943		648945	648946		
	1x										Shade guide[4] (autoclavable) 613998			

Translucency level (MT)

MT blocks demonstrate medium translucency and are used for restorations that require more brightness than HT restorations and more…

Size	Quantity	BL1	BL2	BL3	BL4	A1	A2	A3	A3.5	A4	B1	B2	B3	B…
C14	1 x 5 each	680032	680033	680034	680028	680029	680030				680031			
	1x										Shade guide[5] (autoclavable) 680311			

Translucency level (LT)

Given their low translucency, LT blocks are ideal for the fabrication of larger restorations (e.g. posterior crowns). Restorations made from…

Size	Quantity	BL1	BL2	BL3	BL4	A1	A2	A3	A3.5	A4	B1	B2	B3	B…
I12	1 x 5 each	605338	605339	605340	605341	605318	605319	605320	605321	626377	605322	605323	605324	626…
C14	1 x 5 each	605343	605344	605345	605346	605328	605329	605330	605331	626384	605332	605333	605334	626…
C16	1 x 5 each		648221			648188	648189	648190	648191		648193	648194		
A14 (S)	1 x 5 each		678882			678784	678785	678866	678867		678868	678869		
A14 (L)	1 x 5 each		678883			678873	678874	678875	678876		678877	678878		
A16 (S)	1 x 5 each		645595			644367	644368	644369	644370		644372	644373		
A16 (L)	1 x 5 each		645599			644383	644385	644386	644387		644389	644390		
B32	1 x 3 each		648225			648204	648205	648206	648207		648209	648210		
	x										Shade guide[5] (autoclavable) 605523			

Translucency level (MO)

Given their particular opacity, MO blocks are ideally suited for the fabrication of frameworks on slightly discoloured preparations.

Size	Quantity	0	1	2	
C14	1 x 5 each	596797	596798	596799	
A14 (S)	1 x 5 each	644357	644358	644359	
A14 (L)	1 x 5 each	644362	644363	644364	
	1x			Shade guide (autoclavable) 597067	

Translucency level (Impulse)

The Impulse blocks result in restorations that demonstrate pronounced opalescent properties. The opalescent blocks are available in tw…

Size	Quantity	01 (Opal)	
C14	1 x 5 each	637793	
	1x		Shade guide (autoclavable) 597067

Abbreviations: I = Inlay, C = Crown, B = Bridge, A = Abutment, (S) and (L) = Interface size

[1] At natural lighting conditions. Artificial-generated UV or UV-like light may result in a different impression.
[2] The cut-back technique must not be applied on thin anterior veneers and occlusal veneers.
[3] Only up to the second premolar as the terminal abutment.
[4] Up to the second premolar.
[5] Shade guide for IPS e.max CAD/IPS e.max Press.

CEREC® and inLab® are not registered trademarks of Ivoclar Vivadent AG.

IPS e.max® CAD
Lithium disilicate glass-ceramics (LS_2)

4	C1	C2	C3	C4	D2	D3	D4	Types of restorations								
								Occlusal veneers [2]	Thin veneers [2]	Veneers	Inlays, onlays	Partial crowns	Crowns	3-unit bridges	Hybrid abutments	Hybrid abutment crowns

HT (High Translucency)

...ade from HT blocks blend in naturally with their surroundings due to their chameleon effect.[1]

399	626400	626401	626402	626403	626404	626405	626406									
415	626416	626417	626418	626419	626420	626421	626422									
	634595	634596			634599			✔	✔	✔	✔	✔	✔			
	648949	648950			648953											

MT (Medium Translucency)

...e translucency than LT restorations.

								✔	✔	✔	✔	✔	✔			

LT (Low Translucency)

...n LT blocks impress with their brightness and chroma.

378	626379	605325	626380	626381	626382	605326	626383									
385	626386	605335	626387	626388	626389	605336	626390									
	648197	648198			648201											
	678870	678871			678872				✔		✔	✔	✔[3]	✔	✔	
	678879	678880			678881											
	644376	644377			644380											
	644393	644394			644397											
	648213	648214			648217											

MO (Medium Opacity)

3	4									
596800	596801									
644360	644361						✔[4]		✔	
644365	644366									

Impulse

...wo versions with different opalescence values (Opal 1, Opal 2). The blocks are suitable for the fabrication of light veneers that require an opalescent effect.

02 (Opal)								
637794	✔	✔	✔					

Blocks for PlanMill®
Refills

			Shades											
			BL1	BL2	BL3	BL4	A1	A2	A3	A3.5	A4	B1	B2	B3

Translucency level

Given their high translucency, HT blocks are ideally suited for the fabrication of small restorations (e.g. inlays, onlays). Restorations mad...

Size	Quantity		BL1	BL2	BL3	BL4	A1	A2	A3	A3.5	A4	B1	B2	B3
I12	1 x 5 each		665880	665881	665882	665883	665848	665849	665850	665851	665852	665853	665854	665855
C14	1 x 5 each		665884	665885	665886	665887	665864	665865	665866	665867	665868	665869	665870	665871
	1x										Shade guide[4] (autoclavable) 613998			

Translucency level

MT blocks demonstrate medium translucency and are used for restorations that require more brightness than HT restorations and more...

			BL1	BL2	BL3	BL4	A1	A2	A3	A3.5	A4	B1	B2	B3
C14	1 x 5 each			680039	680040	680041	680035	680036	680037			680038		
	1x										Shade guide[2] (autoclavable) 680311			

Translucency level

Given their low translucency, LT blocks are ideal for the fabrication of larger restorations (e.g. posterior crowns). Restorations made from...

Size	Quantity		BL1	BL2	BL3	BL4	A1	A2	A3	A3.5	A4	B1	B2	B3
I12	1 x 5 each		665832	665833	665834	665835	665768	665769	665770	665771	665772	665773	665774	665775
C14	1 x 5 each		665836	665837	665838	665839	665784	665785	665786	665787	665788	665789	665790	665791
C16	1 x 5 each			665841			665800	665801	665802	665803		665805	665806	
B32	1 x 3 each			665845			665816	665817	665818	665819		665821	665822	
	1x										Shade guide[4] (autoclavable) 605523			

Translucency level

The Impulse blocks result in restorations that demonstrate pronounced opalescent properties. The opalescent blocks are available in tw...

			01 (Opal)				
C14	1 x 5 each		665763				
	1x				Shade guide (autoclavable) 597067		

Abbreviations: I = Inlay, C = Crown, B = Bridge

[1] At natural lighting conditions. Artificial-generated UV or UV-like light may result in a different impression.
[2] The cut-back technique must not be applied on thin anterior veneers and occlusal veneers.
[3] Only up to the second premolar as the terminal abutment.
[4] Shade guide for IPS e.max CAD/IPS e.max Press.

PlanMill® is not a registered trademark of Ivoclar Vivadent AG.

IPS e.max® CAD
Lithium disilicate glass-ceramics (LS$_2$)

B4	C1	C2	C3	C4	D2	D3	D4	Occlusal veneers [2]	Thin veneers [2]	Veneers	Inlays, onlays	Partial crowns	Crowns	3-unit bridges
											Types of restorations			

HT (High Translucency)
e from HT blocks blend in naturally with their surroundings due to their chameleon effect.[1]

B4	C1	C2	C3	C4	D2	D3	D4	Occlusal veneers	Thin veneers	Veneers	Inlays, onlays	Partial crowns	Crowns	3-unit bridges
665856	665857	665858	665859	665860	665861	665862	665863	✓	✓	✓	✓	✓	✓	
665872	665873	665874	665875	665876	665877	665878	665879							

MT (Medium Translucency)
e translucency than LT restorations.

B4	C1	C2	C3	C4	D2	D3	D4	Occlusal veneers	Thin veneers	Veneers	Inlays, onlays	Partial crowns	Crowns	3-unit bridges
								✓	✓	✓	✓	✓	✓	

LT (Low Translucency)
n LT blocks impress with their brightness and chroma.

B4	C1	C2	C3	C4	D2	D3	D4	Occlusal veneers	Thin veneers	Veneers	Inlays, onlays	Partial crowns	Crowns	3-unit bridges
665776	665777	665778	665779	665780	665781	665782	665783							
665792	665793	665794	665795	665796	665797	665798	665799			✓		✓	✓	✓[3]
	665809	665810			665813									
	665825	665826			665829									

Impulse
vo versions with different opalescence values (Opal 1, Opal 2). The blocks are suitable for the fabrication of light veneers that require an opalescent effect.

02 (Opal)			Occlusal veneers	Thin veneers	Veneers	Inlays, onlays	Partial crowns	Crowns	3-unit bridges
665764			✓	✓	✓				

Blocks for PrograMill®
Refills

			Shades										
		BL1	BL2	BL3	BL4	A1	A2	A3	A3.5	A4	B1	B2	B3

Translucency level

Given their high translucency, HT blocks are ideally suited for the fabrication of small restorations (e.g. inlays, onlays). Restorations mad...

Size	Quantity	BL1	BL2	BL3	BL4	A1	A2	A3	A3.5	A4	B1	B2	B3
I12	1 x 5 each	686559	686560	686561	686562	686563	686564	686565	686566	686567	686568	686569	68657
C14	1 x 5 each	686579	686580	686581	686582	686583	686584	686585	686586	686587	686588	686589	68659
	1x									Shade guide[5] (autoclavable) 613998			

Translucency level

MT blocks demonstrate medium translucency and are used for restorations that require more brightness than HT restorations and more...

		BL1	BL2	BL3	BL4	A1	A2	A3	A3.5	A4	B1	B2	B3
C14	1 x 5 each		686552	686553	686554	686555	686556	686557			686558		
	1x									Shade guide[5] (autoclavable) 680311			

Translucency level

Given their low translucency, LT blocks are ideal for the fabrication of larger restorations (e.g. posterior crowns). Restorations made from...

Size	Quantity	BL1	BL2	BL3	BL4	A1	A2	A3	A3.5	A4	B1	B2	B3
C14	1 x 5 each	686512	686513	686514	686515	686516	686517	686518	686519	686520	686521	686522	68652
C16	1 x 5 each		686532			686533	686534	686535	686536		686537	686538	
B32	1 x 3 each		686542			686543	686544	686545	686546		686547	686548	
	1x									Shade guide[5] (autoclavable) 605523			

Translucency level

Given their particular opacity, MO blocks are ideally suited for the fabrication of frameworks on slightly discoloured preparations.

		0		1		2	
C14	1 x 5 each	686507		686508		686509	
	1x				Shade guide (autoclavable) 597067		

Translucency level

The Impulse blocks result in restorations that demonstrate pronounced opalescent properties. The opalescent blocks are available in tw...

		01 (Opal)	
C14	1 x 5 each	686505	
	1x		Shade guide (autoclavable) 597067

Abbreviations: I = Inlay, C = Crown, B = Bridge

[1] At natural lighting conditions. Artificial-generated UV or UV-like light may result in a different impression.
[2] The cut-back technique must not be applied on thin anterior veneers and occlusal veneers.
[3] Only up to the second premolar as the terminal abutment.
[4] Up to the second premolar.
[5] Shade guide for IPS e.max CAD/IPS e.max Press.

IPS e.max® CAD
Lithium disilicate glass-ceramics (LS$_2$)

	B4	C1	C2	C3	C4	D2	D3	D4	Occlusal veneers[2]	Thin veneers[2]	Veneers	Inlays, onlays	Partial crowns	Crowns	3-unit bridges

HT (High Translucency)

e from HT blocks blend in naturally with their surroundings due to their chameleon effect.[1]

	B4	C1	C2	C3	C4	D2	D3	D4	Occlusal veneers[2]	Thin veneers[2]	Veneers	Inlays, onlays	Partial crowns	Crowns	3-unit bridges
0	686571	686572	686573	686574	686575	686576	686577	686578							
0	686591	686592	686593	686594	686595	686596	686597	686598	✔	✔	✔	✔	✔	✔	

MT (Medium Translucency)

e translucency than LT restorations.

Occlusal veneers[2]	Thin veneers[2]	Veneers	Inlays, onlays	Partial crowns	Crowns	3-unit bridges
✔	✔	✔	✔	✔	✔	

LT (Low Translucency)

n LT blocks impress with their brightness and chroma.

	B4	C1	C2	C3	C4	D2	D3	D4	Occlusal veneers[2]	Thin veneers[2]	Veneers	Inlays, onlays	Partial crowns	Crowns	3-unit bridges
3	686524	686525	686526	686527	686528	686529	686530	686531							
		686539	686540			686541					✔		✔	✔	✔[3]
		686549	686550			686551									

MO (Medium Opacity)

3	4	Occlusal veneers[2]	Thin veneers[2]	Veneers	Inlays, onlays	Partial crowns	Crowns	3-unit bridges
686510	686511						✔[4]	

Impulse

vo versions with different opalescence values (Opal 1, Opal 2). The blocks are suitable for the fabrication of light veneers that require an opalescent effect.

02 (Opal)	Occlusal veneers[2]	Thin veneers[2]	Veneers	Inlays, onlays	Partial crowns	Crowns	3-unit bridges
686506	✔	✔	✔				

IPS e.max® ZirCAD Prime Block for CEREC®/inLab®

Zirconium oxide ceramic (ZrO$_2$)

IPS e.max® ZirCAD Prime for CEREC®/inLab® is a zirconium oxide block designed for the fabrication of fixed, full-contour restorations in the anterior and posterior regions. IPS e.max® ZirCAD Prime enables the production of high-strength zirconium oxide restorations (1100 MPa[1]), which can be speed-sintered[2] faster than ever in a sintering furnace such as the Programat CS6 or CEREC SpeedFire – without compromising on quality or esthetics.

IPS e.max ZirCAD Prime restorations can be efficiently cemented conventionally with ZirCAD® Cement, or alternatively, self-adhesively (e.g. SpeedCem® Plus) or adhesively (e.g. Variolink® Esthetic).

The perfectly coordinated Ivoclar products support daily practice by enabling an even more efficient and streamlined chairside workflow, allowing IPS e.max ZirCAD Prime restorations to be fabricated in a single session.

Versatile processing options:

Before sintering:
– Polishing with OptraGloss® Extra Oral

After sintering:
– Polishing with OptraGloss® Extra Oral, OptraGloss®
– Glazing with IPS e.max® CAD Crystall./Glaze Paste Fluo
– Characterization with IPS e.max® CAD Crystall./ materials

Types of restorations:

Crowns

Benefits:

✔ Fast: Speed-sintering of restorations in just 15 minutes in the CS6 or 16 minutes in the CEREC® SpeedFire furnace[2]
✔ High-strength: With a strength of 1100 MPa[1], wall thicknesses for crowns can be reduced to 0.8 mm
✔ Esthetic: Natural progression of shade and translucency from dentin (3Y-TZP raw material) to the translucent incisal area (5Y-PSZ raw material)
✔ Flexible: Easy and quick conventional cementation with ZirCAD® Cement; alternatively, choose between self-adhesive and adhesive cementation

Available block:

C17 for single-tooth restorations

Shade overview:

Available in 11 shades: BL1, BL3, 0*, A1, A2, A3, A3,5 , B1, B2, C2, D2
All 11 shades are included from CEREC® Software version 5.2.10* onward.

Delivery Forms

IPS e.max® ZirCAD for CEREC®/inLab® Starter Kit Prime	760333
IPS e.max ZirCAD CER/in.Prime A2 C17/5	
IPS e.max ZirCAD CER/in.Prime A3 C17/5	
IPS e.max ZirCAD CER/in.Prime A3.5 C17/5	
OptraGloss Extra Oral Starter Kit	
IPS e.max CAD Cryst/GlazePaste FLUO 3 g	
IPS e.max CAD Crystall./Glaze Liquid 15 ml	
ZirCAD Cement Refill 8.5 g	
Ivoclean Refill 5 g	
OptraGate 2 Test Pack 2x1	

Refill IPS e.max® ZirCAD Prime blocks	

Products not available in all markets.

Authorized CAD/CAM systems:

✔ Dentsply Sirona:
– inLab® MC XL
– CEREC® MC / MC X / MC XL / Primemill

Authorized sintering furnaces:

– Programat CS4
– Programat CS6
– CEREC SpeedFire

[1] Dentin, typical mean value of biaxial strength, R&D Ivoclar, Schaan

[2] Programat CS6, superspeed-sintering in 15 minutes, without predrying, three crowns, or CEREC®* SpeedFire, 16 Minuten, without predrying, two crowns. R&D Ivoclar, Schaan.

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Refills

IPS e.max® ZirCAD Prime											
Zirkonoxid-Keramik (ZrO$_2$)											
Shades											Types of restorations
BL1	BL3	0*	A1	A2	A3	A3.5	B1	B2	C2	D2	Crowns

Blocks for CEREC®/inLab®

Translucency level	
Size	Quantity
C17	1 x 5 each
C17	1 x 3 each

Prime

Progression of shade and translucency from dentin to incisal is ideally designed for crowns

BL1	BL3	0*	A1	A2	A3	A3.5	B1	B2	C2	D2	Crowns
			758437	758438	758439	758440					
758434	758435	758436					758441	758442	758443	758444	✔

Abbreviations: C = Crown

IPS e.max® ZirCAD

Zirconium oxide ceramics (ZrO$_2$)

IPS e.max® ZirCAD allows dental professionals to produce esthetic, monolithic zirconia restorations efficiently in the dental practice with the help of efficient speed sintering programs.

Two groups of materials combined into one – this is what makes IPS e.max ZirCAD MT Multi special: translucent 5Y-TZP zirconium oxide provides high translucency for the incisal zone and the more opaque 4Y-TZP zirconium oxide provides high stability in the dentin zone.

In addition, the material features a gradual progession of shade and translucency, consisting of 60% dentin, 20% transition and 20% incisal zone. This distribution reflects the natural progression from dentin to incisal and imparts natural esthetic appearance to the restorations, even if no characterizations are applied[3].

Processing options:

After the sintering procedure, restorations can be
- glazed and fired
- optionally: stained, gazed and fired
- polished

Types of restorations:

- Crowns
- Three-unit bridges

Benefits:

- ✔ High strengths of 1200 MPa (LT[1]) and 850 MPa (MT Multi[2]) allow reduced wall thicknesses and conservative preparation methods.
- ✔ Natural progression of shade and translucency deliver true-to-nature esthetic results in conjunction with MT Multi[3]
- ✔ Natural fluorescence can be achieved with IPS e.max CAD Crystall./Glaze Fluo paste[3]
- ✔ Conventional, adhesive or self-adhesive cementation

Block sizes:

- 2 (C17 and B45)

Translucency levels:

- 1 and 1 MT Multi block (MT Multi – Medium Translucency, LT – Low Translucency)

Shades:

- 8 (BL or BL1, A1, A2, A3, B1, B2, C2, D2)

Authorized CAD/CAM systems:

- ✔ Dentsply Sirona:
  - inLab® MC XL
  - CEREC® MC / MC X / MC XL / Primemill
- ✔ Planmeca:
  - PlanMill® 30 S / 40 /40 S

Lieferform

Refill IPS e.max® ZirCAD blocks	

[1] Typical mean value of flexural strength, R&D Ivoclar, Schaan.
[2] Dentin, typical mean value of flexural strength, R&D Ivoclar, Schaan.
[3] At natural lighting conditions. The use of artificially generated UV or UV-like light may result in a different impression.

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Refills

IPS e.max® ZirCAD Zirconium oxide ceramics (ZrO$_2$)									Types of restorations	
Shades										
BL or BL1[1]	A1	A2	A3	B1	B2	C2	D2		Crowns	3-unit bridges

Blocks for CEREC®/inLab®

Translucency level

Size	Quantity
C17	1 x 5 each
B45	1 x 3 each

MT Multi (Medium translucency)										
Progression of shade and translucency from dentin to incisal is ideally designed for crowns and bridges.										
694517	694521	694522	694523	694526	694527	694531	694534		✓	✓
694537	694541	694542	694543	694546	694547	694551	694554			

Translucency level

C17	1 x 5 each
B45	1 x 3 each

LT (Low Translucency)										
Given their low translucency, LT blocks are ideally suited for posterior crowns or bridges.										
686192	686193	686194	686195	686196	686197	686198	686199		✓	✓
686200	686201	686202	686203	686204	686205	686206	686207			

Block for PlanMill®

Translucency level

C17	1 x 5 each
B45	1 x 3 each

MT Multi (Medium translucency)										
Progression of shade and translucency from dentin to incisal is ideally designed for crowns and bridges.										
694597	694601	694602	694603	694606	694607	694611	694614		✓	✓
694617	694621	694622	694623	694626	694627	694631	694634			

Translucency level

C17	1 x 5 each
B45	1 x 3 each

LT (Low Translucency)										
Given their low translucency, LT blocks are ideally suited for posterior crowns or bridges.										
686216	686217	686218	686219	686220	686221	686222	686223		✓	✓
686224	686225	686226	686227	686228	686229	686230	686231			

Abbreviations: C = Crown, B = Bridge

[1] MT Multi is available in shade BL1, and LT is available in shade BL.

IPS Empress® CAD

Leucite glass-ceramics

IPS Empress® CAD restorations have been in clinical use for decades. It closely reproduces the natural tooth structure due to its distinct chameleon effect and lifelike fluorescence.[1]

IPS Empress CAD is known for exceptional esthetics and can be polished to a high gloss quickly and easily: grind – polish – done.

The innovative polychromatic IPS Empress CAD Multi block is a special highlight in this range. The block features a natural progression of shade and fluorescence from dentin to incisal.[1]

Processing options:
After the grinding process, the restorations can be:
– polished
– optionally: stained, glazed

Types of restorations:
– Crowns
– Inlays, onlays, partial crowns
– Veneers

Benefits:
✔ Highly esthetic restorations, efficiently created
✔ Material with a flexural strength of 185 MPa[2] that has been in clinical use for decades
✔ Optimum adjustment to the natural tooth structure due to the chameleon effect

Block sizes:
– 4 (I10, I12, C14, C14 L)

Translucency levels:
– 2 and Multi block (HT – High Translucency, LT – Low Translucency)

Shades:
– Comprehensive range of shades: available in A–D and BL shades (the range of shades varies depending on the translucency level and block size) see page 75

Authorized CAD/CAM systems:
✔ **Ivoclar:**
  – PrograMill® PM3 / PM5 / PM7
  – Zenotec® select hybrid
✔ **Amann Girrbach:**
  – ceramill® motion 2 / motion 3 /drs
  – ceramill® matik
✔ **Planmeca:**
  – PlanMill® 30 S / 40 /40 S
✔ **Dentsply Sirona:**
  – inLab® MC XL / MC X5
  – CEREC® MC / MC X / MC XL / Primemill

Delivery forms

Refill IPS Empress® CAD blocks	

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[1] At natural lighting conditions. LED-generated UV or UV-like light may result in a different impression.
[2] Average biaxial flexural strength; outcome after more than 10 years of ongoing quality testing, R&D Ivoclar, Schaan.

CEREC®, inLab®, PlanMill® und ceramill® are not registered trademarks of Ivoclar Vivadent AG.

Refills

IPS Empress® CAD
Leucite glass-ceramics

Shades													Types of restorations			
BL1	BL2	BL3	BL4	A1	A2	A3	A3.5	B1	B2	B3	C2	D3	Veneers	Inlays, onlays	Partial crowns	Crowns

Blocks for CEREC®/inLab®

Multi — Natural progression of shade, translucency and fluorescence[1]

Size	Quantity	BL1	BL2	BL3	BL4	A1	A2	A3	A3.5	B1	B2	B3	C2	D3	Veneers	Inlays, onlays	Partial crowns	Crowns
I12	1 x 5 each	607681		607682		602592	602593	602594	602595	602596								
C14	1 x 5 each	607683		607684		602598	602599	602600	602601	602602					✓		✓	✓
C14 L	1 x 5 each	607672		607673		602604	602605	602606	602607	602608								

HT (High Translucency) — Higher translucency and chameleon effect, lower brightness value

Size	Quantity	BL1	BL2	BL3	BL4	A1	A2	A3	A3.5	B1	B2	B3	C2	D3	Veneers	Inlays, onlays	Partial crowns	Crowns
I10	1 x 5 each					602510	602511	602512	602513	602514	602515	602516	602517	602518	✓	✓		
I12	1 x 5 each					602520	602521	602522	602523	602524	602525	602526	602527	602528				

LT (Low Translucency) — Lower translucency and chameleon effect, higher brightness value

Size	Quantity	BL1	BL2	BL3	BL4	A1	A2	A3	A3.5	B1	B2	B3	C2	D3	Veneers	Inlays, onlays	Partial crowns	Crowns
I12	1 x 5 each	602582	602583	602584	602585	602557	602558	602559	602560	602561	602562	602563	602564	602565	✓		✓	✓
C14	1 x 5 each	602587	602588	602589	602590	602567	602568	602569	602570	602571	602572	602573	602574	602575				
	1x	Shade guide HT/LT (autoclavable) **603418**																

Blocks for PlanMill®

Multi — Natural progression of shade, translucency and fluorescence[1]

Size	Quantity	BL1	BL2	BL3	BL4	A1	A2	A3	A3.5	B1	B2	B3	C2	D3	Veneers	Inlays, onlays	Partial crowns	Crowns
I12	1 x 5 each	665755		665756		665740	665741	665742	665743	665744								
C14	1 x 5 each	665757		665758		665745	665746	665747	665748	665749					✓		✓	✓
C14 L	1 x 5 each	665759		665760		665750	665751	665752	665753	665754								

HT (High Translucency) — Higher translucency and chameleon effect, lower brightness value

Size	Quantity	BL1	BL2	BL3	BL4	A1	A2	A3	A3.5	B1	B2	B3	C2	D3	Veneers	Inlays, onlays	Partial crowns	Crowns
I10	1 x 5 each					665678	665679	665680	665681	665682	665683	665684	665685	665686	✓	✓		
I12	1 x 5 each					665689	665690	665691	665692	665693	665694	665695	665696	665697				

LT (Low Translucency) — Lower translucency and chameleon effect, higher brightness value

Size	Quantity	BL1	BL2	BL3	BL4	A1	A2	A3	A3.5	B1	B2	B3	C2	D3	Veneers	Inlays, onlays	Partial crowns	Crowns
I12	1 x 5 each	665732	665733	665734	665735	665710	665711	665712	665713	665714	665715	665716	665717	665718	✓		✓	✓
C14	1 x 5 each	665736	665737	665738	665739	665719	665720	665721	665722	665723	665724	665725	665726	665727				
	1x	Shade guide HT/LT (autoclavable) **603418**																

Blocks for PrograMill®

Multi — Natural progression of shade, translucency and fluorescence[1]

Size	Quantity	BL1	BL2	BL3	BL4	A1	A2	A3	A3.5	B1	B2	B3	C2	D3	Veneers	Inlays, onlays	Partial crowns	Crowns
C14 L	1 x 5 each	686498		686499		686500	686501	686502	686503	686504					✓		✓	✓

HT (High Translucency) — Higher translucency and chameleon effect, lower brightness value

Size	Quantity	BL1	BL2	BL3	BL4	A1	A2	A3	A3.5	B1	B2	B3	C2	D3	Veneers	Inlays, onlays	Partial crowns	Crowns
I12	1 x 5 each					686476	686477	686478	686479	686480	686481	686482	686483	686484	✓	✓		

LT (Low Translucency) — Lower translucency and chameleon effect, higher brightness value

Size	Quantity	BL1	BL2	BL3	BL4	A1	A2	A3	A3.5	B1	B2	B3	C2	D3	Veneers	Inlays, onlays	Partial crowns	Crowns
C14	1 x 5 each	686485	686486	686487	686488	686489	686490	686491	686492	686493	686494	686495	686496	686497	✓		✓	✓
	1x	Shade guide HT/LT (autoclavable) **603418**																

Abbreviations: I = Inlay, C = Crown

Tetric® CAD

Composite

Tetric CAD is an esthetic composite block for the efficient fabrication of single-tooth restorations (flexural strength: 272 MPa[1]).

Due to the pronounced chameleon effect, Tetric CAD restorations blend in with the residual tooth structure in an optically pleasing manner.[2]

The restoration is polished after milling and then seated using an adhesive cementation protocol. This processing technique is very efficient and leads to an esthetic result quickly and easily.

Processing options:

After the grinding process, the restorations can be:
– polished
– optionally: characterized

Types of restorations:

– Veneers
– Inlays
– Onlays (e.g. occlusal veneers, partial crowns)
– Crowns

Benefits:

✔ Natural integration into the oral environment due to the unique chameleon effect[2]
✔ Excellent polishability and intraoral repairability
✔ Easy and efficient processing
✔ Stability in limited layer thicknesses; restorations with thinly tapered margins possible
✔ Durable bond due to coordinated luting system

Block sizes:

– C14

Translucency levels:

– 2 (HT – High Translucency, MT – Medium Translucency)

Shades:

– 5 (BL, A1, A2, A3, A3.5; the shade offering varies, depending on the translucency level)

Authorized CAD/CAM systems:

✔ **Ivoclar:**
 – PrograMill® PM3 / PM5 / PM7
 – Zenotec® select hybrid
✔ **Amann Girrbach:**
 – ceramill® motion 2 / motion 3 /drs
 – ceramill® matik
✔ **Planmeca:**
 – PlanMill® 30 S / 40 /40 S
✔ **Dentsply Sirona:**
 – inLab® MC XL / MC X5
 – CEREC® MC / MC X / MC XL / Primemill

Delivery forms

Refill Tetric® CAD blocks	

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[1] Typical mean value of the biaxial flexural strength, R&D Ivoclar Vivadent AG, Schaan, Liechtenstein

[2] At natural lighting conditions. The use of artificially generated UV or UV-like light may result in a different impression.

CEREC®, inLab®, PlanMill® and ceramill® are not registered trademarks of Ivoclar Vivadent AG.

Refills

Tetric® CAD composite							
Shades					**Types of restorations**		
BL	A1	A2	A3	A3.5	Veneers	Inlays, onlays (e.g. partial crowns, occlusal veneers)	Crowns

Blocks for CEREC®/inLab®

HT (High Translucency)
Higher translucency and chameleon effect, lower brightness value

Size	Quantity	BL	A1	A2	A3	A3.5	Veneers	Inlays, onlays	Crowns
C14	1 x 5 each		692148	692149	692150	692151	✓	✓	

MT (Medium Translucency)
Lower translucency and chameleon effect, higher brightness value

Size	Quantity	BL	A1	A2	A3	A3.5	Veneers	Inlays, onlays	Crowns
C14	1 x 5 each	692156	692152	692153	692154	692155	✓		✓

Blocks for PlanMill®

HT (High Translucency)
Higher translucency and chameleon effect, lower brightness value

Size	Quantity	BL	A1	A2	A3	A3.5	Veneers	Inlays, onlays	Crowns
C14	1 x 5 each		692167	692168	692169	692170	✓	✓	

MT (Medium Translucency)
Lower translucency and chameleon effect, higher brightness value

Size	Quantity	BL	A1	A2	A3	A3.5	Veneers	Inlays, onlays	Crowns
C14	1 x 5 each	692175	692171	692172	692173	692174	✓		✓

Blocks for PrograMill®

HT (High Translucency)
Higher translucency and chameleon effect, lower brightness value

Size	Quantity	BL	A1	A2	A3	A3.5	Veneers	Inlays, onlays	Crowns
C14	1 x 5 each		692186	692187	692188	692189	✓	✓	

MT (Medium Translucency)
Lower translucency and chameleon effect, higher brightness value

Size	Quantity	BL	A1	A2	A3	A3.5	Veneers	Inlays, onlays	Crowns
C14	1 x 5 each	692194	692190	692191	692192	692193	✓		✓

Abbreviations: I = Inlay, C = Crown

Telio® CAD

Cross-linked PMMA material

Telio CAD are cross-linked PMMA blocks for the efficient fabrication of long-term temporaries (flexural strength: 135 MPa[1]).

As a result of an optimized manufacturing process, the restorations feature a smooth surface that can be quickly and efficiently polished.

Processing options:

After the milling process, the restorations can be
- polished
- optionally: characterized

Types of restorations:

- Temporary crowns
- Temporary bridges with up to two connected pontics
- Implant-supported temporary hybrid abutment crowns

Benefits[4]:

✔ High material homogeneity and process reliability result in fewer mixing errors and air entrapments compared with conventional methods
✔ Durable shade stability and lifelike fluorescence[2]
✔ Excellent polishability
✔ Economical fabrication of temporaries

Block sizes:

- 3 (A16, B40 L, B55)

Translucency levels:

- 1 (LT – Low Translucency)

Shades:

- 9 (BL3, A1, A2, A3, A3.5, B1, B3, C2, D2)

Authorized CAD/CAM systems:

✔ **Planmeca:**
  – PlanMill® 30 S / 40 /40 S
✔ **Dentsply Sirona:**
  – inLab® MC XL
  – CEREC® MC X / MC XL / Primemill

Delivery forms

Refill Telio® CAD blocks	see p. 79

[1] Typical mean value of biaxial flexural strength, R&D Ivoclar, Schaan.
[2] At natural lighting conditions. LED-generated UV or UV-like light may result in a different impression.
[3] With up to two connected pontics
[4] The offer varies depending on the CAD/CAM system.

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Refills

Telio® CAD Cross-linked PMMA material											
Shades									Types of restorations		
BL3	A1	A2	A3	A3.5	B1	B3	C2	D2	Crowns	Temporary bridges[1]	Temporary hybrid abutment crowns

Blocks for CEREC®/inLab®

Translucency level		LT (Low Translucency)											
Size	Quantity	Restorations made from LT blocks impress with their lifelike brightness value and chroma.[2]											
A16 (S)	1 x 3 each	665518	665519	665520	665521	665522	665523	684501	684502	684503			✓
A16 (L)	1 x 3 each	665524	665525	665526	665527	665528	665529	684504	684505	684506			✓
B40 L	1 x 3 each	627718	627719	627720	627721	627722	627723	684489	684490	684491	✓	✓	
B40 L	1 x 9 each	627726	627727	627728	627729	627730	627731	684492	684493	684494	✓	✓	
B55	1 x 3 each	627824	627825	627826	627827	627828	627829	684498	684499	684500	✓	✓	

Blocks for PlanMill®

Translucency level		LT (Low Translucency)											
Size	Quantity	Restorations made from LT blocks impress with their lifelike brightness value and chroma.[2]											
B40 L	1 x 3 each	665612	665613	665614	665615	665616	665617	684477	684478	684479	✓	✓	
B40 L	1 x 9 each	665618	665619	665620	665621	665622	665623	684480	684481	684482	✓	✓	
B55	1 x 3 each	665606	665607	665608	665609	665610	665611	684486	684487	684488	✓	✓	

Abbreviations: B = Bridge, A = Abutment, (S or SD) and (L or MD) = Interface size

Implant prosthetics

From temporary to permanent restoration

The IPS e.max® CAD and Telio® CAD blocks feature a pre-fabricated interface to facilitate direct cementation to a titanium bonding base. So, implant-supported hybrid abutments and hybrid abutment crowns can be created at chairside using clinically proven products[1–4].

Cementation is achieved with the self-curing Multilink® Hybrid Abutment luting composite.

Types of restorations:

– **Telio CAD**
  Implant-supported temporary hybrid abutment crowns
– **IPS e.max CAD**
  Implant-supported hybrid solutions (hybrid abutments, hybrid abutment crowns)[4]

Benefits:

– **Telio CAD**
  ✔ Straightforward design of the emergence profile[3, 4]
  ✔ Visualization of the permanent prosthetic solution

– **IPS e.max CAD[4]**
  ✔ Esthetic restoration due to tooth-coloured hybrid abutments
  ✔ Hybrid abutment crown (2-in-1) offers functionality and efficiency[1, 3]
  ✔ Good biocompatibility with oral soft tissues[1]

Block sizes:

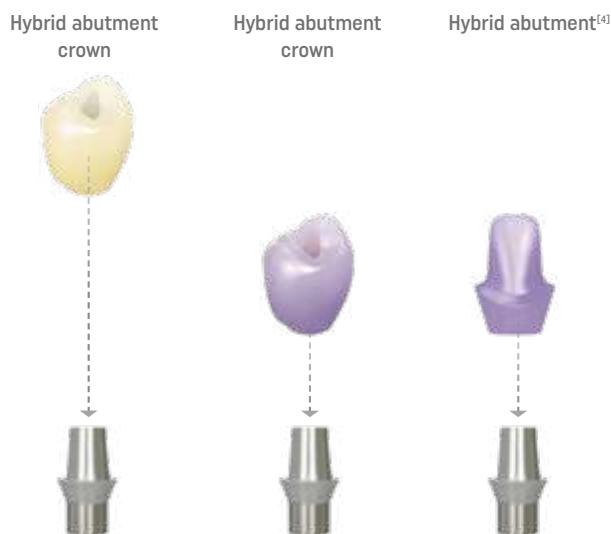– 2 (A14 and A16) and 2 interface sizes

Translucency levels:

– 2 (LT – Low Translucency and MO[4] – Medium Opacity)

Shades:

– 9 (Telio CAD LT: BL3, A1, A2, A3, A3,5, B1, B3, C2, D2)
– 10 (IPS e.max CAD LT: BL2, A1, A2, A3, A3,5, B1, B2, C1, C2, D2)
– 5 (IPS e.max CAD MO: 0, 1, 2, 3, 4)

Authorized CAD/CAM systems:

✔ **Dentsply Sirona:**
  – inLab® MC XL / MC X5
  – CEREC® MC X / MC XL / Primemill

Hybrid abutment crown   Hybrid abutment crown   Hybrid abutment[4]

Delivery forms

Refill IPS e.max® CAD blocks	See pp. 64–69
Refill Telio® CAD blocks	See p. 79

[1] De Angelis P et al., J. Prosthet. Dent. 2019, 123, 252-256.
[2] Zhang Y et al, Clin. Oral Implant. Res. 2019, 30, 1059-1066.
[3] Çömlĕkoglu M. E et al, Clin. Oral Investig. 2017, 2018, 22, 475-486.
[4] Kurbad A, Int. J. Comput. Dent. 2014, 17, 239-251.

Multilink® Hybrid Abutment

Multilink® Hybrid Abutment is a self-curing luting composite for the permanent cementation of lithium disilicate (LS_2) glass-ceramic and zirconium oxide ceramic structures on implant sleeves made of titanium/titanium alloy and zirconium oxide.

Area of application:

Extraoral cementation of lithium disilicate (LS_2) glass-ceramic and zirconium oxide ceramic structures (abutment and abutment crowns) on implant sleeves made of titanium/titanium alloy and zirconium oxide.

Benefits:

✔ High bonding strength for a reliable cementation
✔ Easy handling due to the convenient automix syringe

Shades:

HO 0

HO 0

Delivery forms

Refill

Multilink Hybrid Abutment syringe	1 x 9 g	
Mixing tips	15x	
Various accessories		
HO 0		647182

Monobond® Plus

Universal, single-component bonding agent for indirect restorations made of all popular restorative materials.

Area of application:

Single-component bonding agent for all indirect restorative materials (glass-ceramics, oxide ceramics, metal, composites, fibre-reinforced composites). For a strong adhesive bond between the restoration and the luting material.

Delivery forms

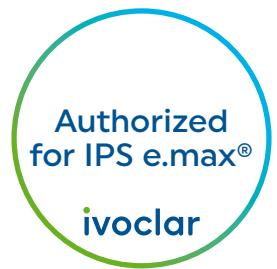|		
Refill	1 x 5 g	626221

Authorized CAD/CAM chairside grinding and milling units for Ivoclar CAD/CAM materials

The quality mark "Authorized for IPS e.max®" certifies that all the materials, devices and processes are validated and fully coordinated with each other. The result: Restorations of exceptional quality and precision.

Our cooperation partners are:

Authorized
for IPS e.max®

ivoclar

Manufacturer of CAD/CAM units	System		IPS e.max® CAD			
			Inlays, onlays, veneers and crowns	Three-unit bridges[2]	Implant-supported hybrid abutments	Implant-supported hybrid abutment crowns
Dentsply Sirona	CEREC® MC X [4,5]	1 block up to 55 mm	▪	▪	▪	▪
	CEREC® MC XL[4]	1 block up to 85 mm	▪	▪	▪	▪
	CEREC® Primemill	1 block up to 70 mm	▪	▪	▪	▪
PLANMECA	PlanMill® 30 S	1 block up to 85 mm	▪	▪		
	PlanMill® 40	1 block up to 55 mm	▪	▪		
	PlanMill® 40 S	1 block up to 85 mm	▪	▪		
AMANNGIRRBACH	ceramill® motion drs	1 block up to 55 mm	▪	▪		
vhf	E4 Z4	1 block up to 45 mm	▪	▪		

[1] The range of products may vary from country to country.
[2] Up to the second premolar as the terminal die
[3] With up to two connected pontics
[4] Wet Milling is possible with new machines since 2013, or with older machines after retrofitting. Dry Milling is possible with construction years
[5] B45 (IPS e.max ZirCAD) and B55 (Telio CAD) blocks are possible as of CEREC SW 5.1.3 (Jan. 2021)
[6] Not available for IPS e.max ZirCAD Prime
[7] IPS e.max ZirCAD Prime blocks are possible as of CEREC SW 5.2.10 (July 2024)

	IPS e.max® ZirCAD[7]		IPS Empress® CAD	Tetric® CAD	Telio® CAD	
supported butment wns	Crowns	Bridges	Inlays, onlays, veneers and crowns	Inlays, onlays, veneers and crowns	Temporary crowns and bridges[3]	Implant-supported hybrid abutment crowns

Accessories

IPS® Object Fix Flow / IPS® Object Putty

Auxiliary firing pastes with varying viscosity to support all-ceramic restorations (especially IPS e.max® CAD) during firing and crystallization. The pastes are used to stabilize and secure the restorations on the silicon nitride support pins or directly on the silicon nitride firing tray. The pastes are easy to apply and remove after the firing procedure.

Delivery forms

IPS® Object Fix Flow	1 x 10 ml	605525
IPS® Object Fix Putty	1 x 10 g	605526

IPS e.max® CAD Crystallization Tray / IPS Speed Tray

The IPS e.max® CAD Crystallization Tray is a firing tray for the crystallization of IPS e.max CAD restorations as well as for the stains and/or glaze firing of IPS Empress® CAD, IPS e.max CAD and IPS e.max ZirCAD restorations with the IPS e.max CAD Crystall./materials.

The IPS Speed Tray is required for the speed crystallization of IPS e.max CAD.

To carry out the firing, the restorations are placed on the IPS e.max CAD Crystallization Pins supplied with the tray.

Area of application:
– IPS e.max CAD
– IPS e.max ZirCAD
– IPS Empress CAD

Sizes:
2

Delivery forms

IPS e.max® CAD Crystallization Tray Kit		767467
IPS e.max CAD Crystallisation Tray	1 x	
IPS e.max CAD Crystallization Pin (sizes: 1, 2, 3)	3 x each	
IPS Speed Tray		770880
IPS Speed Tray	1x	
IPS e.max CAD Crystallization Pin (sizes: 1, 2, 3)	1 x each	
IPS e.max® CAD Crystallization Pin Refill		
1 / 2 / 3	**6 x each**	**759428**

Universal stains and glazes

IPS e.max® CAD Crystall./ Shades/Stains and Glaze

Universal range of stains and glazes

IPS e.max® CAD Crystall./Shades, Stains and Glaze is a universal range of stains and glazes designed for use with IPS e.max CAD, IPS e.max ZirCAD and IPS Empress® CAD.

The glazing paste is available as a variant with and without a fluorescent effect[1].

Minor corrections (e.g. proximal contact areas) can be applied to IPS e.max CAD and IPS e.max ZirCAD restorations using IPS e.max CAD Crystall./Add-On.

Types of restorations:

– IPS e.max CAD
– IPS e.max ZirCAD
– IPS Empress CAD

Benefits:

✔ Reduced stock, lower costs – a single range suitable for all CAD/CAM chairside ceramics from Ivoclar
✔ Familiar application methods and consistently high quality
✔ Glazing paste with and without a fluorescent effect [1]
✔ Possibility of making corrections (e.g. proximal contact areas) using Add-On material

Shades:

– 7 shades (0, 1, 2, 3, 4, Incisal 1, Incisal 2)
– 7 stains (white, cream, sunset, copper, olive, khaki, mahogany)

[1] At natural lighting conditions. LED-generated UV or UV-like light may result in a different impression.

Delivery forms

IPS e.max® CAD Characterization Kit		688805
IPS e.max CAD Crystall./Shade, shades: 1, 2, I1, I2	1 x 3 g each	
IPS e.max CAD Crystall./Stains, shades: white, sunset, khaki, mahogany	1 x 1 g each	
IPS e.max CAD Crystall./Glaze Paste Fluo	1 x 3 g	
IPS e.max CAD Crystall./Glaze Spray	1 x 120 ml	
IPS e.max CAD Crystall./Glaze Liquid	1 x 15 ml	
IPS e.max CAD Crystall./Add-On Incisal	1 x 5 g	
IPS e.max CAD Crystall./Add-On Liquid allround	1 x 15 ml	
IPS e.max CAD Crystallization Tray	1x	
IPS Speed Tray	1x	
Various accessories		

Tweezers

For easier handling during staining and glazing.

Delivery forms

Tweezers	554069

Universal range of stains and glazes
IPS e.max® CAD Crystall./

	Quantity	Shades						
IPS e.max® CAD Crystall./Shades Dentin stains in paste form		0	1	2	3	4	Incisal 1	Incisal 2
	1 x 3 g	605348	605349	605350	605351	605352	605353	605354
IPS e.max® CAD Crystall./Stains Intensive stains in paste form		white	cream	sunset	copper	olive	khaki	mahogany
	1 x 1 g	605356	605357	605358	605359	605360	605361	605362
IPS e.max® CAD Crystall./Glaze Paste Glazing paste	1 x 3 g	605363						
IPS e.max® CAD Crystall./Glaze Paste FLUO Glazing paste with fluorescent effect[2]	1 x 3 g	674676						
IPS e.max® CAD Crystall./Glaze Liquid	1 x 15 ml	605366						
IPS e.max® CAD Crystall./Glaze Spray Glazing spray	120 ml	605364						
IPS e.max® CAD Crystall./Add-On For minor corrections (e.g. proximal contact areas)		Incisal	Dentin					
	1 x 5 g	605365	635549					
IPS e.max® CAD Crystall./Add-On Liquid		allround						
	1 x 15 ml	605569						

[1] Vacuum required
[2] At natural lighting conditions. LED-generated UV or UV-like light may result in a different impression.

IPS e.max® CAD	IPS e.max® ZirCAD	IPS Empress® CAD
Lithium disilicate glass-ceramics (LS$_2$)	Zirkonium oxide ceramics (ZrO$_2$)	Leucite glass-ceramics
✔	✔	✔
✔	✔	✔
✔	✔	✔
✔[1]	✔[1]	–

Cementation

Variolink® Esthetic

Variolink® Esthetic is a versatile and esthetic light- and dual-cure luting composite for the permanent seating of all types of restorations and materials.

Areas of application:

– Variolink Esthetic LC
  – Permanent adhesive luting of glass-ceramic, lithium disilicate glass-ceramic and composite restorations (inlays, onlays and veneers).
  – Only use Variolink Esthetic LC for restorations with a low thickness of <2mm that have sufficient translucency (e.g. IPS e.max® HT).
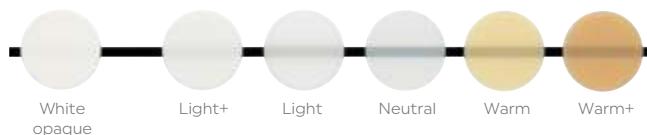
– Variolink Esthetic DC
  – Permanent adhesive luting of glass-ceramic, lithium disilicate glass-ceramic and composite resin restorations (inlays, onlays, partial crowns, crowns, bridges)
  – Restorations made of opaque ceramics, e.g. oxide ceramics, can only be permanently cemented if an adhesive that is separately light-cured is additionally used.

Benefits:

✓ Straightforward Effect shade range
✓ Proven and reliable shade stability[1]
✓ Easy excess removal[2]
✓ Flexible, situational consistency[2] – ideal combination of flowability and stability
✓ Ideal bonding to the dental hard tissue with Adhese® Universal[3–5]
✓ Reliable bonding to the restoration with Monobond® Plus[4, 5, 6]

Shades:

White opaque, Light+, Light, Neutral, Warm, Warm+

| White opaque | Light+ | Light | Neutral | Warm | Warm+ |

Delivery forms

Variolink Esthetic LC Kit (AU-Pen MBP)   763314WW

Adhese Universal Refill VivaPen	1x2 ml
VivaPen SnapOn cannulas Refill/100	1x
Variolink Esthetic LC Refill, neutral	1 x 2 g
Variolink Esthetic Try-In Refill, neutral	1 x 1,7 g
Monobond Plus Refill	1 x 5 g
Liquid Strip Refill	1 x 2.5 g

Variolink Esthetic LC Kit (AU-Bot. MBP)   763316WW

Adhese Universal Refill bottle	1 x 5 g
Vivadent Applicator black Refill 50	1x
Variolink Esthetic LC Refill, neutral	1 x 2 g
Variolink Esthetic Try-In Refill, neutral	1 x 1.7g
Monobond Plus Refill	1 x 5 g
Liquid Strip Refill	1 x 2.5 g

Variolink Esthetic DC Kit (AU-Pen MBP)   763318WW

Adhese Universal Refill VivaPen	1 x 2ml
VivaPen SnapOn cannulas Refill/100	1x
Variolink Esthetic DC Refill, neutral	1 x 9 g
Variolink Esthetic Try-In Refill, neutral	1 x 1.7 g
Monobond Plus Refill	1 x 5 g
Liquid Strip Refill	1 x 2.5 g

Variolink Esthetic DC Kit (AU-Bot. MBP)   763319WW

Adhese Universal Refill bottle	1 x 5 g
Vivadent Applicator black Refill 50	1x
Variolink Esthetic DC Refill, neutral	1 x 9 g
Variolink Esthetic Try-In Refill, neutral	1 x 1.7 g
Monobond Plus Refill	1 x 5 g
Liquid Strip Refill	1 x 2.5 g

Variolink Esthetic DC Kit (AU-Pen MBEP)   763320WW

Adhese Universal Refill VivaPen	1 x 2 ml
VivaPen SnapOn cannulas Refill/100	1x
Variolink Esthetic DC Refill, neutral	1 x 9 g
Variolink Esthetic Try-In Refill, neutral	1 x 1,7 g
Monobond Etch & Prime Refill	1 x 5 g
Liquid Strip Refill	1 x 2.5 g

[1] Gianasmidis A, DZW 2016 (38), p. 14–15, additional data on file.
[2] Gianasmidis A, DZW 2016 (39), p. 18–19, additional data on file.
[3] Maassen, et al, J.Prosthet Dent, 2021, p. 182-188.
[4] Aslan Y U et al, Eur J Prosthodont Restor Dent, 2019 (27), p. 131-140.
[5] Elsayed A et al., IADR Abstract #2657, 2017.
[6] Lyann S K et al., J Adhes Dent, 2018 (20), p. 261-268.

Variolink® Esthetic LC Refill

Variolink Esthetic LC	1 x 2 g	
Application Tips	5x	
Light+		**763425WW**
Light		**763446WW**
Neutral		**763424WW**
Warm		**763423WW**
Warm+		**763422WW**
White opaque		**762061WW**

Variolink® Esthetic DC Refill

Variolink Esthetic DC	1 x 5 g	
Mixing Tips	10x	
Light+		**666117WW**
Light		**666118WW**
Neutral		**666119WW**
Warm		**666120WW**
Warm+		**666121WW**
White opaque		**762062WW**

Variolink® Esthetic DC Refill

Variolink Esthetic DC	1 x 9 g	
Mixing Tips	15x	
Light		**666122WW**
Neutral		**666123WW**
Warm		**666124WW**

Variolink® Esthetic DC Refill

Variolink Esthetic DC	3 x 9 g	
Mixing Tips	3 x 15	
Light		**692424WW**
Neutral		**692425WW**
Warm		**692426WW**

Variolink® Esthetic Try-In-Paste Refill

Variolink Esthetic Try-In-Paste	1 x 1.7 g	
Application Tips	5x	
Light+		**666067WW**
Light		**666113WW**
Neutral		**666114WW**
Warm		**666115WW**
Warm+		**666116WW**
White opaque		**762063WW**

| **Mixing Tips Refill** | **15x** | **645951** |
| **Application Tips Refill** | **20x** | **559224** |

ZirCAD® Cement[1]

ZirCAD® Cement is a new high performance resin modified glass ionomer cement designed for everyday use. It is ideal for high-strength restorations, especially zirconia. ZirCAD Cement allows the clinician to deliver predictable cementation results case after case with its easy handling and quick clean-up.

Areas of application:

Cementation of restorations based on retentive preparations

– Crowns, bridges, inlays and onlays made of high-strength ceramics
– Metal-based crowns, bridges, inlays and onlays
– Metal, ceramic and glass-fibre reinforced composite posts

Benefits:

✔ Quick and easy clean-up in the gel phase, can be expedited with the optional tack cure
✔ The simple way to cement zirconia and metal-based restorations
✔ Continuous fluoride release
✔ Moisture and acid resistant
✔ Low film thickness for an accurate marginal fit
✔ Single-product cement without primer or conditioner

Delivery forms

Refill ZirCAD® Cement		746963AN
ZirCAD Cement Automix syringe	1 x 8.5 g	
Mixing tips	10x	
Refill mixing tips	**10x**	**747598**

Speedcem® Plus

Speedcem® Plus is a clinically proven self-adhesive resin cement for the permanent cementation of high-strength zirconium oxide or metal restorations. Due to its self-curing and self-adhesive properties, Speedcem Plus is especially suitable for the cementation of opaque restorations.

Areas of application:

Speecem Plus is suited for the permanent seating of crowns and bridges on natural teeth and on implant abutments that are made of the following restorative materials:

– Oxide ceramics such as zirconium oxide,
  e.g. IPS e.max® ZirCAD
– Metal and metal-based restorations
– Lithium disilicate glass-ceramics, e.g. IPS e.max®

Benefits:

✔ Ideal for high-strength, opaque zirconium oxide and metal restorations
✔ Higher reliability due to the strong bond when used in self-curing mode
✔ User-friendly, simple application protocol
✔ Easy removal of excess material
✔ High radiopacity

Shades:

Transparent, Yellow, Opaque

| Yellow | Opaque | Transparent |

Delivery forms

Refills		
SpeedCEM Plus Automix syringe	1 x 9 g	
Mixing tips	15x	
Root Canal Tips	5x	
Yellow		681710
Opaque		681711
Transpa		681712

Refills of 3		
SpeedCEM Plus Automix syringe	3 x 9 g	
Mixing tips	45x	
Root Canal Tips	15x	
Yellow		692423
Transparent		692422

Refill mixing tips	15x	645951
Root Canal Tips	5x	645955

Multilink® Automix

Multilink® Automix is a luting composite for the permanent adhesive cementation of indirect restorations made of silicate and oxide ceramics, metal and metal-ceramics (PFM) and composite resins. Used together with the matching Multilink Primers A and B, the material generates a strong and long-lasting bond to the tooth structure.

Areas of application:

Cementation of indirect restorations (inlays, onlays, crowns, bridges, endodontic posts) made of:

– metal and metal ceramics (PFM)
– all-ceramics (silicate)
– reinforced all-ceramics (zirconium and Al oxide ceramics)
– composites and fibre-reinforced composites (FRC)

Benefits:

✔ Reliable performance in adhesive cementation
✔ Wide range of applications
✔ Varied selection of shades

Shades:

Transparent, Yellow, White, Opaque

| Transparent | Yellow | White | Opaque |

Delivery forms

Refill Multilink® Automix		
Multilink Automix syringe	1 x 9 g	
Mixing tips	15x	
Var. accessories		
Transparent		615216
Yellow		615217
Opaque		615218
White		645952
Refill Multilink® Automix Try-In		
Multilink Automix Try-In syringe	1 x 1.7 g	
Transparent		645956
Yellow		645957
Opaque		645958
White		645959
Refill Multilink® Primer A/B	2 x 3 g	576825
Refill Multilink® Primer A	1 x 3 g	613626
Refill Multilink® Primer B	1 x 3 g	613627
Refill Monobond® Plus	1 x 5 g	626221
Refill Liquid Strip	1 x 2.5 g	532505
Refill mixing tips	15x	645951
Root Canal Tips (intracanal tips and mixinig tips)	5 x each	645955
Refill applicators(25 large, 25 small)	2 x 25	592435

Monobond Etch & Prime®

Monobond Etch & Prime® is a single-component ceramic primer that allows **glass-ceramic surfaces** to be etched and silanated in one easy step.

Areas of application:

Conditioning of glass-ceramic surfaces for the adhesive bond with luting composites

Benefits:

✔ Eliminates the unpopular etching of the glass-ceramic surface with hydrofluoric acid
✔ The glass-ceramic is etched and conditioned in one step
✔ Creates a reliable bond between restoration and luting material

Delivery forms

Refill	1 x 5 g	673026WW

Monobond® Plus

Single-component bonding agent for all indirect restorative materials

Areas of application:

Single-component bonding agent for all indirect restorative materials (glass- and oxide ceramics, metal, composite, fibre-reinforced composite). For a strong bond between the restoration and the luting material.

Delivery forms

Refill	1 x 5 g	626221

Ivoclean®

Universal cleaning paste especially designed for removing contaminants, in particular proteins, from restoration surfaces after intraoral try-in.

Areas of application:

Extraoral cleaning of pre-treated ceramic and metal restoration surfaces

Delivery forms

Refill	1 x 5 g	637568

Liquid Strip

Glycerine gel to prevent the oxygen-inhibited layer of composites when seating composite or ceramic restorations.

Areas of application:
– Try-in paste
– Preventing an inhibited layer with composites
– Protecting the etching pattern of lab-fabricated all-ceramic restorations

Delivery forms

Refill	1 x 2.5 g	532505
Liquid Strip application tips	20x	533666

OptraStick®

OptraStick® is a placement instrument that features a flexible adhesive tip. The tip allows small objects, inlays, onlays and veneers made of various materials (e.g. IPS Empress®, IPS e.max®) to be picked up, held, carried and placed precisely, quickly and easily.

Benefits:
✔ Easy pick-up
✔ Strong adherence
✔ Secure positioning

Delivery forms

Refill	48 pcs	699972

Cementation Navigation System

The Cementation Navigation System helps you to find the most suitable luting material for almost any cementation problem, irrespective of the substrate: tooth structure or implant abutments.

In addition, CNS shows all the benefits offered by the luting cements from Ivoclar.

Clear and detailed animations give you a comprehensive tour of the procedure, starting with removal of the temporary restoration and ending with topical fluoride application.

cementation-navigation.com

Ceramic, crystallization and sinter furnaces

Programat® CS2

The Programat® CS2 is the ideal firing and crystallization furnace for dentists. The furnace has been specially developed for the crystallization of IPS e.max® CAD restorations. The Programat CS2 is easily operated by means of the new colour touchscreen display and the proven membrane-sealed keypad. It is furthermore equipped with 20 individual programs as well as predefined Ivoclar programs, such as the Speed program, which crystallizes IPS e.max CAD restorations in less than 15 minutes.

The new and modern operating concept and the QTK2 muffle technology are only two of the many new innovations featured in the Programat CS2. The QTK2 muffle technology ensures an even more homogeneous heat distribution in the firing chamber, leading to optimum firing results and a prolonged life cycle of the heating element. Additionally, the new vacuum pump control system with double valve technology ensures noiseless and power-saving operation of the vacuum pump.

Benefits:

- ✔ Colour touchscreen in combination with the proven membrane-sealed keypad
- ✔ QTK2 muffle technology with SiC bottom reflector
- ✔ Operating concept specially developed for the dental practice
- ✔ Automatic double-range calibration (ATK2)
- ✔ Remote diagnostics through the Internet via e-mail and data log files
- ✔ Software update via USB flash drive
- ✔ Integrated power-save function (Power-Save Technology)
- ✔ OSD display
- ✔ Modern, ergonomic design
- ✔ Software update via USB flash drive
- ✔ Modern interfaces (USB, ethernet, SD card reader)
- ✔ Large cooling tray
- ✔ Integrated tong holder
- ✔ 20 individual firing programs
- ✔ Double-valve vacuum technology
- ✔ Removable furnace head
- ✔ Power Fail Save System

Technical data

Voltage	200 – 240 V / 50–60 Hz 110 – 120 V / 50–60 Hz 100 V / 50–60 Hz
Dimensions (closed)	Depth: 465 mm Width: 305 / 410 mm (incl. cooling tray) Height: 320 mm
Usable size of the firing chamber	ø 90 mm Height: 80 mm
Maximum firing temperature	1200 °C

Delivery forms

Programat® CS2	200 – 240 V/50 – 60Hz*	645986

Programat CS2, power cord, vacuum hose, cooling tray, SiC firing plate, Programat Firing Tray Kit, Automatic Temperature Checking Set 2 ATK2 (test set), USB download cable, Programat USB flash drive, extra fuses, display cleaning cloth, tong holder, firing tongs, IPS Speed Tray, var. accessories

* other voltage versions available

Programat® CS6

The Programat® CS6 is a combination furnace for the quick sintering, crystallization and glazing of dental ceramic materials. Due to the innovative firing chamber technology, restorations made of blocks up to size B55 can be processed in a short amount of time. The new opening mechanism optimizes and accelerates the pre-drying process with the warm air rising from the firing chamber and drying the restoration from below. The compact firing chamber and the new opening mechanism substantially reduce the program times for Ivoclar materials, which, in turn, reduces the processing time in the dental office to a minimum.

With the vacuum during the sintering process, which is unique in the dental world, the program times for IPS e.max ZirCAD materials can be clearly shortened. At the same time, the esthetic appearance of the restorations is considerably higher compared to that produced by other chairside furnaces. In addition to pre-installed programs for Ivoclar materials, programs for materials from other manufacturers can also be created easily.

Benefits:

- ✔ Combination furnace for the quick sintering, crystallization and glazing
- ✔ Superspeed crystallization program
- ✔ Vacuum for sintering programs (external vacuum pump necessary)
- ✔ Colour touchscreen in combination with the proven membrane-sealed keypad
- ✔ DSA – Digital Shade Assistant
- ✔ Compact design
- ✔ Temperature calibration on location possible
- ✔ OSD display (optical status display)
- ✔ 30 individual firing programs
- ✔ Programat WLAN kit for wireless data transfer
- ✔ Software update via USB flash drive

Delivery forms

Programat® CS6	110 – 240 V/50 – 60Hz	742087

Programat CS6, power cord, vacuum hose, object tray, IPS Speed Tray, tweezers, Temperature Checking Set Starter Kit, network cable, Short Instructions, Programat WLAN kit, A–D shade guide, DSA holder kit, var. accessories

VP5 vacuum pump

The high-performance VP5 vacuum pump has been especially developed for the Ivoclar ceramic and press furnaces. The pump features a very high delivery rate. In addition, it is characterized by a distinct design and a carrying handle for convenient relocation.

Technical data

Voltage	220 – 240 V / 50 – 60 Hz
	200 V / 50 – 60 Hz
	115 V / 50 – 60 Hz
	100 V / 50 – 60 Hz
Power consumption	80 Watt
Final vacuum	approx. 20 mbar

Delivery forms

VP5 vacuum pump (white)	230 V/ 50–60 Hz*	666308
VP5 vacuum pump	1x	
Sound absorber	1x	
Vacuum Pump Filter Kit	1x	
* other voltage versions available		

VP3 easy vacuum pump

The small and light-weight VP3 easy vacuum pump is suitable for the evacuation of the firing chamber of the Ivoclar ceramic furnaces. This vacuum pump is not suitable for press furnaces.

The VP3 is a diaphragm pump that is characterized by low weight and extremely small dimensions.

Technical data

Voltage	230 V / 50 – 60 Hz
	200 V / 50 – 60 Hz
	115 V / 50 – 60 Hz
Power consumption	70 Watt
Dimensions	W 140 x H 130 x D 210 mm
Final vacuum	approx. 40 mbar

Delivery forms

VP3 easy vacuum pump (grey)	230 V/ 50–60 Hz*	594554
VP3 easy vacuum pump	1x	
Sound absorber	1x	
Vacuum Pump Filter Kit	1x	
* other voltage versions available		

Vacuum Pump Filter Kit

The vacuum pump filter kit protects the vacuum pump from contamination.

Delivery forms

Vacuum Pump Filter Kit		680188
Vacuum Pump Filter Kit	1x	
Vacuum hose 200 mm	1x	

Sinter furnace temperature checking set MTH (1500 °C)

10 sinter rings to check the exact sintering temperature of the Programat CS6.

Delivery forms

Refill sinter furnace temperature checking set MTH (1500 °C/2732 °F)	627398
Sinter rings	10x
Conversion table	1x

Sinter furnace temperature checking set UTH (880°C)

10 sinter rings to check the exact sintering temperature of the Programat CS6.

Delivery forms

Refill sinter furnace temperature checking set UTH (880 °C)	688632
Sinter rings	10x
Conversion table	1x

Sinter furnace temperature checking set starter kit

The temperature checking set starter kit comprises all the components necessary to check and calibrate the sinter temperature of the Programat® S1, Programat S1 1600 and Programat S2.

Delivery forms

Sinter furnace temperature checking set, starter kit	627380
Sliding caliper	1x
Sinter ring	5x
Conversion table	1x

Programat® calibration measuring aid

The Programat® calibration measuring aid supports users in measuring the control rings and provides them with a reliable measuring result as a basis for the furnace calibration.

Delivery forms

Programat® calibration measuring aid	1x	752035

Programat® CS6 object tray

On the object tray of the Programat® CS6, restorations are placed in the firing chamber. The tray is also used for cooling down zirconia restorations outside the firing chamber.

Delivery forms

Programat® CS6 object tray	1x	746379

Programat® CS6 tweezers

The special tweezers with the ceramic tips are used to load the furnace.

Delivery forms

Programat® CS6 tweezers	1x	749897

Automatic Temperature Checking Set ATK 2

The Automatic Temperature Checking set ATK2 is used to check and adjust the firing temperatures in furnaces with automatic calibration programs for the ATK2 system (e.g. Programat® P500, P510, P700, P710, CS, CS2, CS3, EP 3000, EP 3010, EP 5000, EP 5010 including Programat G2 devices).

The simultaneous double-range calibration is a special feature of the ATK2.

Delivery forms

Automatic Temperature Checking Set ATK 2		598833
ATK2 sample	5x	

Firing tongs

These firing tongs are used to place objects in the firing chamber. High precision and excellent material quality are the special features of these tongs.

Delivery forms

Firing tongs	1x	530665

Digital Shade Assistant starter kit

The Digital Shade Assistant starter kit is designed specifically to help users get started in digital shade selection and includes the components required for this. The Digital Shade Assistant holder provides convenient placement of the shade guide teeth.

Delivery forms

Digital Shade starter kit	679917
Digital Shade Assistant holder	3x
A–D shade guide	1x

Digital Shade Assistant holder kit

The Digital Shade Assistant holder provides placement of the shade guide teeth for the DSA function.

Delivery forms

Digital Shade Assistant holder kit	679916
Digital Shade Assistant holder	2x

Temporary restorations

Telio® Inlay

Telio® Inlay is a light-curing, single-component temporary restorative material.

Areas of application:
– Deep inlay preparations with parallel walls
– Reversible obturation of screw access holes in implant superstructures

Benefits:
✔ Light-curing, single-component material
✔ Quick and easy application, removal in one piece
✔ No additional temporary cement or adhesive required
✔ Bonds to the tooth but does not stick to the instrument
✔ Demonstrates low polymerization shrinkage
✔ Seals tooth cavities effectively and shows no discolouration
✔ Available in two different shades and presentations (syringes and Cavifils)

Shades:
Transparent and Universal

Delivery forms

Refill Telio® Inlay syringe	3 x 2.5 g	
Universal		701261
Transparent		701265
Refill Telio® Inlay Cavifil	30 x 0.25 g	
Universal		701263
Transparent		701267

Telio® Onlay

Telio® Onlay is a light-curing, single-component temporary restorative material.

Areas of application:
– Wide, shallow cavities with few retentive areas, such as onlay preparations
– Reversible obturation of screw access holes in implant superstructures

Benefits:
✔ Light-curing, single-component material
✔ Quick and easy application, removal in one piece
✔ No additional temporary cement or adhesive required
✔ Bonds to the tooth but does not stick to the instrument
✔ Demonstrates low polymerization shrinkage
✔ Seals tooth cavities effectively and shows no discolouration
✔ Available in two different shades and presentations (syringes and Cavifils)

Shades:
Transparent and Universal

Delivery forms

Refill Telio® Onlay syringe	3 x 2.5 g	
Universal		701266
Transparent		701262
Refill Telio® Inlay Cavifil	30 x 0.25 g	
Universal		701268
Transparent		701264

Core build-up materials

MultiCore® Flow

Self-curing composite core build-up material with light-curing option.

Two curing methods and four shades provide an optimum foundation for the reconstruction of vital and non-vital teeth with part or most of the clinical crown missing.

Indications:
Core build-up of vital and non-vital teeth

Benefits:
- ✔ Based on Ivoclar's long-term experience in the field of composite technology
- ✔ A suitable option for every case: self- or light-curing
- ✔ Four different shades

Shades:
Light, medium, blue and white

Delivery forms

Refill MultiCore® Flow Automix syringe	1 x 10 g	
Var. accessories		
Light		604166
Medium		604167
White		604168
Mixing Tips small	10x	683287
Intra Oral Tips small	10x	604210
Root Canal Tips/Mixing Tips	5x each	645955
Refill MultiCore® Flow cartridge	1 x 50 g	
Var. accessories		
Light		578913
Medium		578914
Blue		578915
Dispenser	1x	579094
Mixing Tips	50x	579096
Intra Oral Tips	50x	579095

Services

Authorized CAD/CAM labside grinding and milling units
for Ivoclar CAD/CAM materials

Authorized
for IPS e.max®

ivoclar

Manufacturer of CAD/CAM units	System	IPS e.max® CAD			
		Inlays, onlays, veneers and crowns	Three-unit bridges[2]	Implant-supported hybrid abutments	Implant-supported hybrid abutment crowns
ivoclar	PrograMill® Dry				
	PrograMill® PM3 / PM5	■	■		
	PrograMill® PM7	■	■		
	Zenotec® mini				
	Zenotec® select				
	Zenotec® select hybrid	■	■		
AMANNGIRRBACH	ceramill® mikro ic	■	■		
	ceramill® motion 2 / motion 3	■	■		
	ceramill® matik / matron	■	■		
Dentsply Sirona	inLab® MC XL	■	■	■	■
	inLab® MC X5	■	■	■	■
vhf	N4+	■	■		

[1] The range of products may vary from country to country
[2] Up to the second premolar as the terminal abutment
[3] With up to two connected pontics
[4] Not available for IPS e.max ZirCAD Prime

blocks   98.5 mm discs

	IPS e.max® ZirCAD		IPS Empress® CAD	Tetric® CAD	Telio® CAD	
...ed ...t	Crowns	Bridges	Inlays, onlays, veneers and crowns	Inlays, onlays, veneers and crowns	Temporary crowns and bridges[3]	Implant-supported hybrid abutment crowns

Authorized
for IPS e.max®

ivoclar

Manufacturer of CAD/CAM units	System	Ivotion — Full denture	Ivotion Dent / Multi — Tooth segments/ denture teeth
ivoclar	PrograMill® Dry	●	●
	PrograMill® PM3 / PM5	●	●
	PrograMill® PM7	●	●
	Zenotec® mini		
	Zenotec® select	● *	●
	Zenotec® select hybrid	● *	●
AMANNGIRRBACH	ceramill® motion 2		●
	ceramill® motion 3		●
	ceramill® matik / matron		●
Dentsply Sirona	inLab® MC X5		●
vhf	R5 K5/K5+ E5	●	●

[1] The range of products may vary from country to country
*Only in machines with material changer

● 98.5 mm discs

Ivotion Base
Denture base

Authorized for IPS e.max® ivoclar

Manufacturer of CAD/CAM units	System	ProArt CAD Wax yellow	ProArt CAD Splint
		Burnout restorations for the press technique	Occlusal splints, drilling temp
ivoclar	PrograMill® PM3 / PM5	⬤	⬤
	PrograMill® PM7	⬤	⬤
	Zenotec® mini	⬤	⬤
	Zenotec® select	⬤	⬤
	Zenotec® select hybrid	⬤	⬤
AMANNGIRRBACH	ceramill® motion 2	⬤	
	ceramill® motion 3	⬤	
	ceramill® matik / matron		
Dentsply Sirona	inLab® MC X5	⬤	⬤

[1] The range of products may vary from country to country

⬤ 98.5 mm discs

	ProArt CAD Try-In
plates	Functional try-in, impression trays / functional trays, bite templates
	●
	●
	●
	●
	●
	●
	●
	●

Customer Care

Faster Solutions

With multiple ways to connect with us, you can get the help you need quickly. Innovative tools like the instant video assistant enable real time dialog and troubleshooting through a safe and secure channel.

Expert Care

Direct contact with local and global support specialists who know the products best ensures you receive the quality service you expect. Trained and certified service technicians are standing by for all your technical needs.

On-site Assistance

From secure delivery and installation, to on-site maintenance and repair, our Customer Care field representatives will get you up and running.

Investment Protection

Tailored service packages are available to protect your equipment and offer peace of mind. Save time, reduce potential urgent repair costs, and never miss your deadlines.

Continued Confidence

Routine service and maintenance support through Customer Care can help identify and fix any potential issues with your equipment before it leads to an interruption of your work.

Regular service and maintenance is essential for any piece of equipment to ensure it continues to operate reliably, safely, and effectively.

All-round Protection for your Investment

Take the guess work out of your service and maintenance needs with routine support from our experts. On-site and remote assistance ensures optimal equipment performance.

Get Expert Support

Enjoy peace of mind with premium technical support for your investment every step of the way. Our trusted, certified service specialists know your equipment inside and out. You are in safe hands..

Minimize Machine Downtime

Annual maintenance allows us to identify and fix any potential issues with your equipment before it leads to an interruption of your work. Save time, reduce potential urgent repair costs, and never miss your deadlines.

Quality Assurance

Equipment parts may need replacement due to wear and tear from regular usage. With the extended warranty option in our service packages, you enjoy peace of mind knowing you are covered. Additionally, all replacement parts come with a promise of consistent quality and are tailored to your individual milling systems.

Service Packages Overview
PrograMill® PM7, PM5, PM3 and DRY

Basic Package

This package with unlimited renewal offers a small discount on wear parts and is ideal for your basic maintenance needs.

Advanced Package

This package with extended warranty coverage offers discounted wear parts and provides the ideal value for money on maintenance and repairs.

Premium Package

This package with extended warranty coverage offers complete wear part protection and is ideal for those looking for maximum insurance on all maintenance and repairs.

	Einmaliger Wartungsbesuch	Basis	Advanced	Premium
Service package term	–	1 year (automatic)	1 year (automatic)	1 year (automatic)
Service package renewal	–	unlimited	maximum 4 times renewal	maximum 4 times renewal
Extended warranty	–	–	✓	✓
Repair coverage	–	–	✓	✓
Annual maintenance	auf upon request	✓	✓	✓
Travel expense coverage	–	–	✓	✓
Wear part discount	–	20% discount	50% discount	100% discount

Subject to availability in your market