

Cervico by VPI

Product presentation

VP INNOVATO HOLDINGS LTD.
Dimitrios Stavrinos



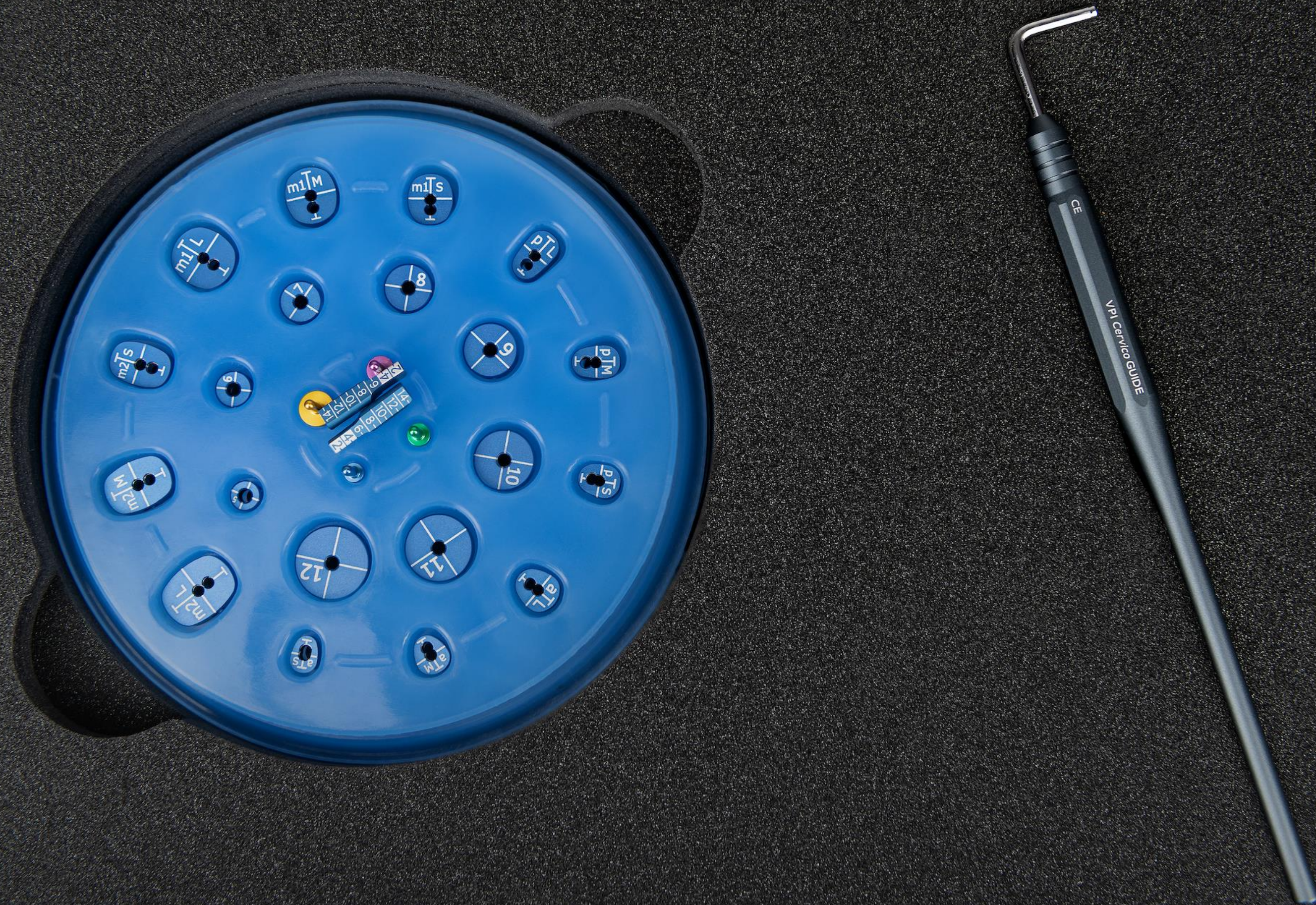
What is the Cervico system?





Cervico is a two part system that allows the clinician to **create and record the optimum emergence and cervical profile**, for each and every patient, in any edentulous region that is to take an implant in the oral cavity in a predictable manner within a 10 minute time frame.

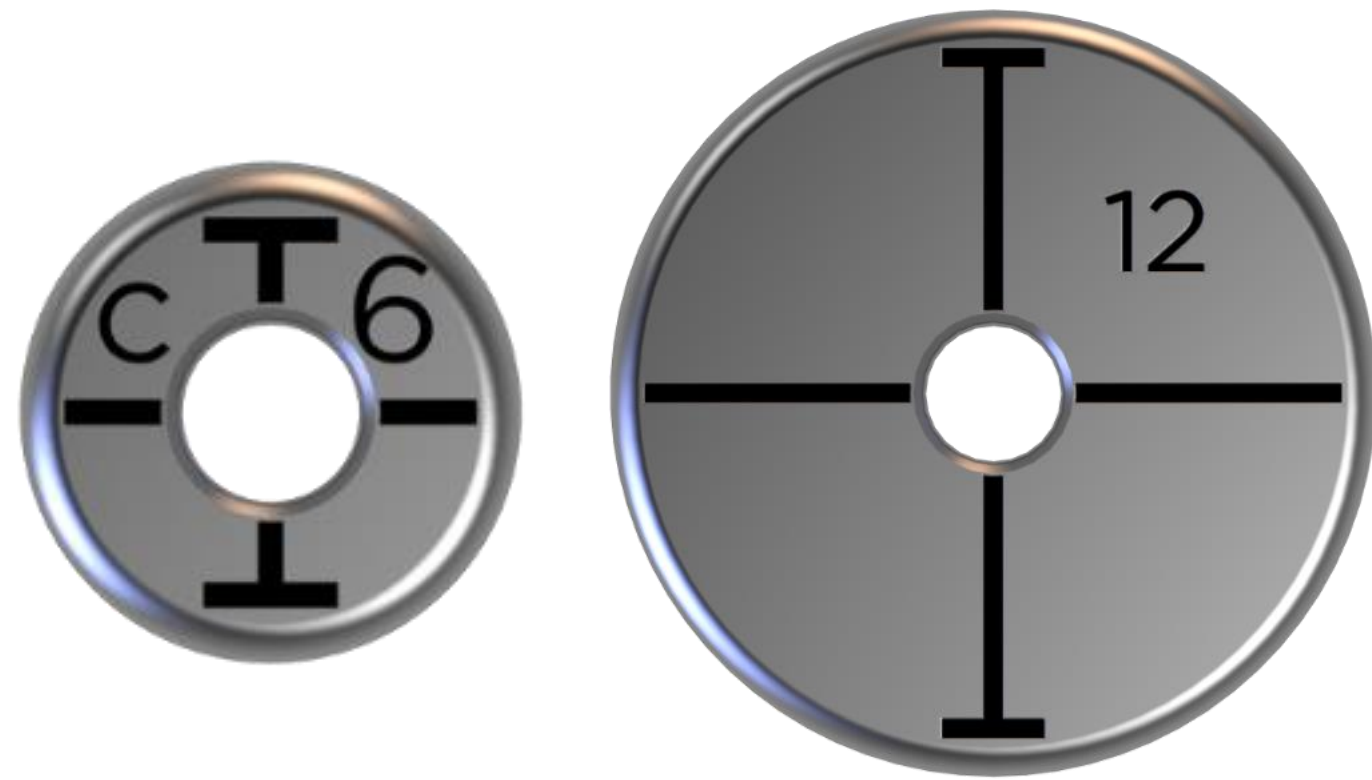




Cervico Guide

Cervico Guide

Cylindrical tabs



Cervico Guide

Anatomical tabs



Square shaped molars

Large size



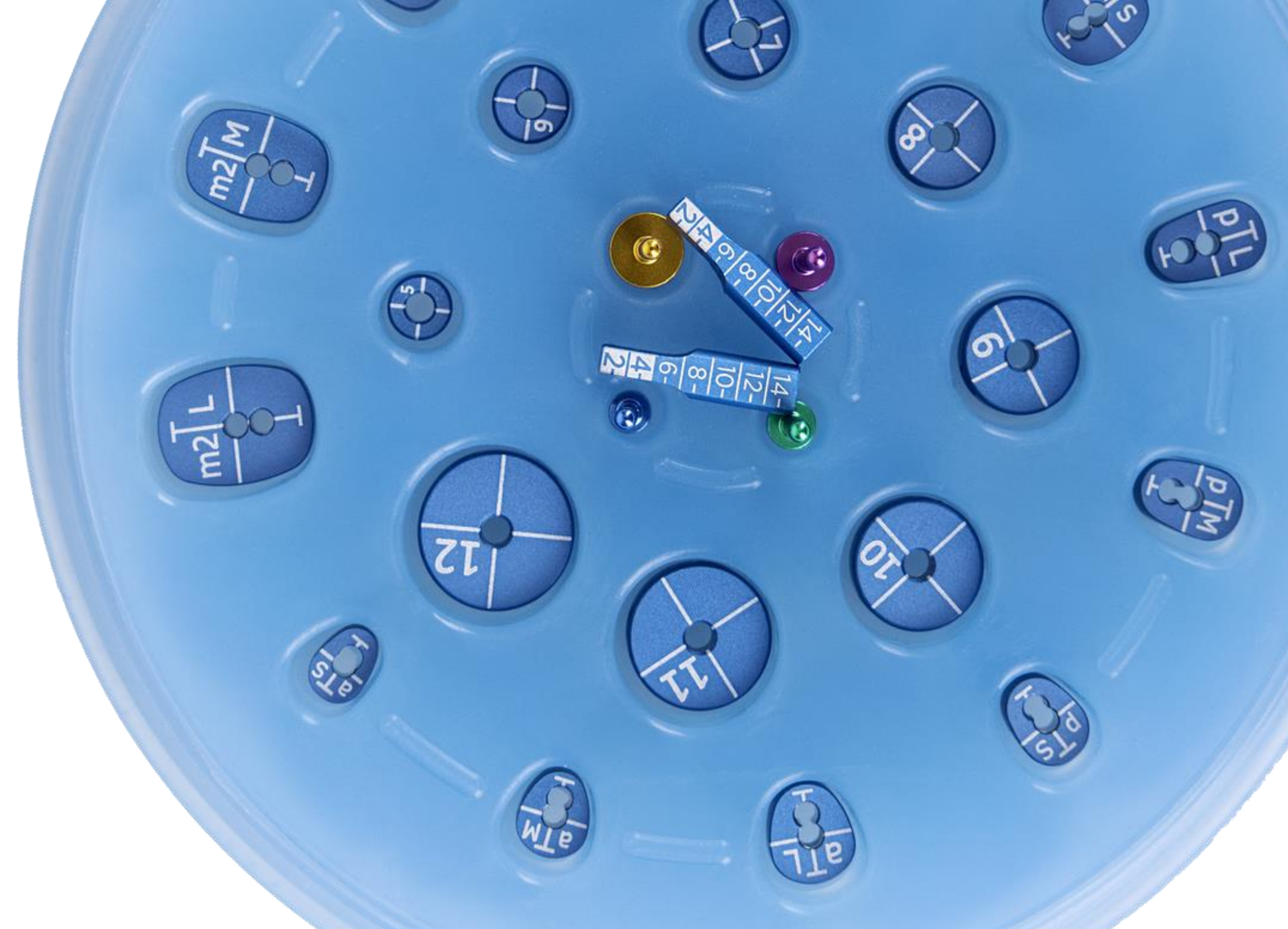
Square shaped molars

Small size



Square shaped molars

Medium size



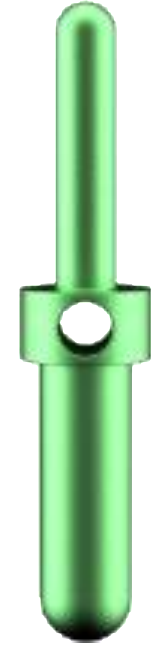
Cervico Guide

Pins

Ciel 1.8



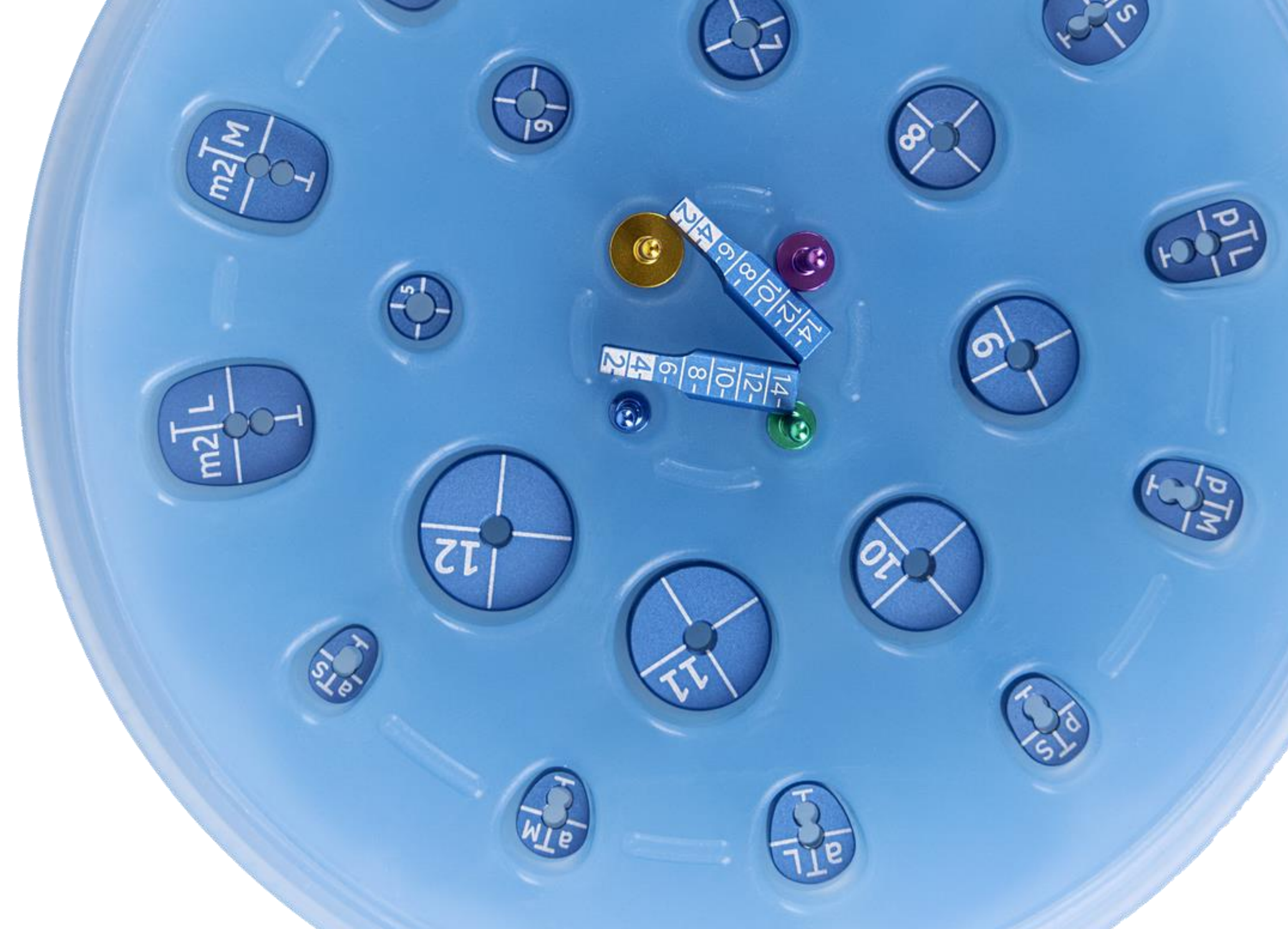
Green 2.6



Purple 3.2



Gold 4.6





Cervico Premium Mold

Cervico Premium Mold





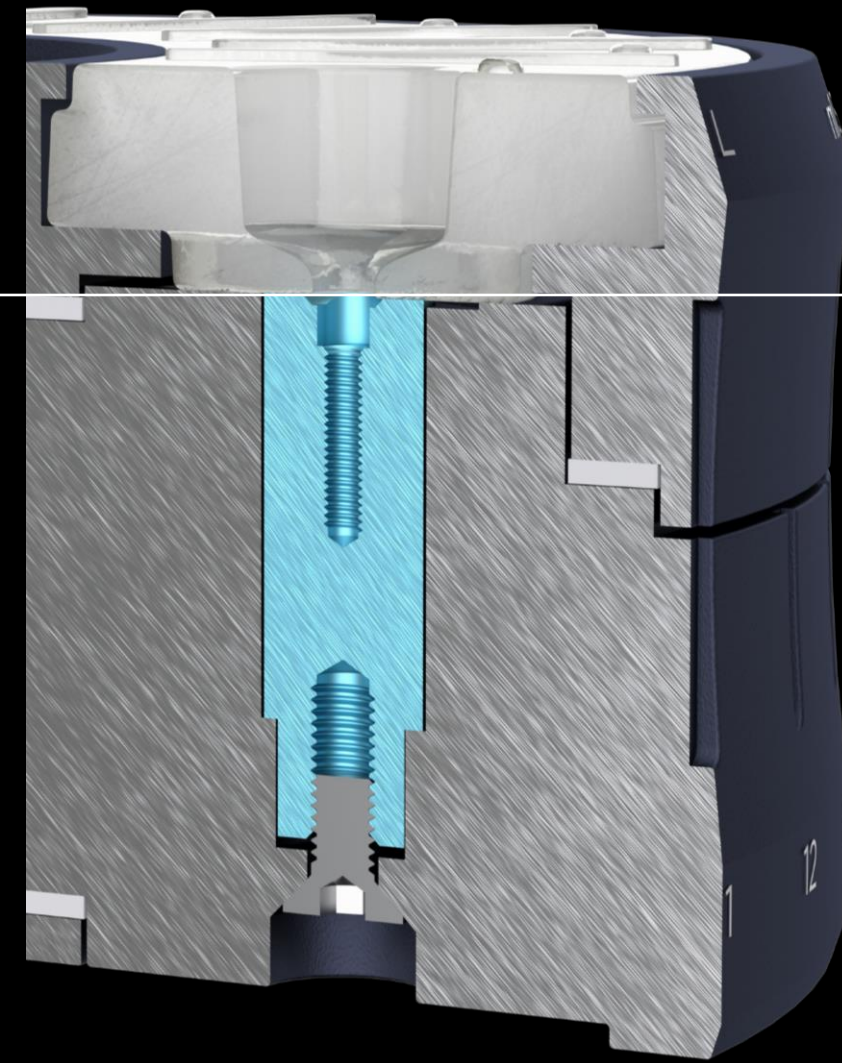
Sockets

1 - 12

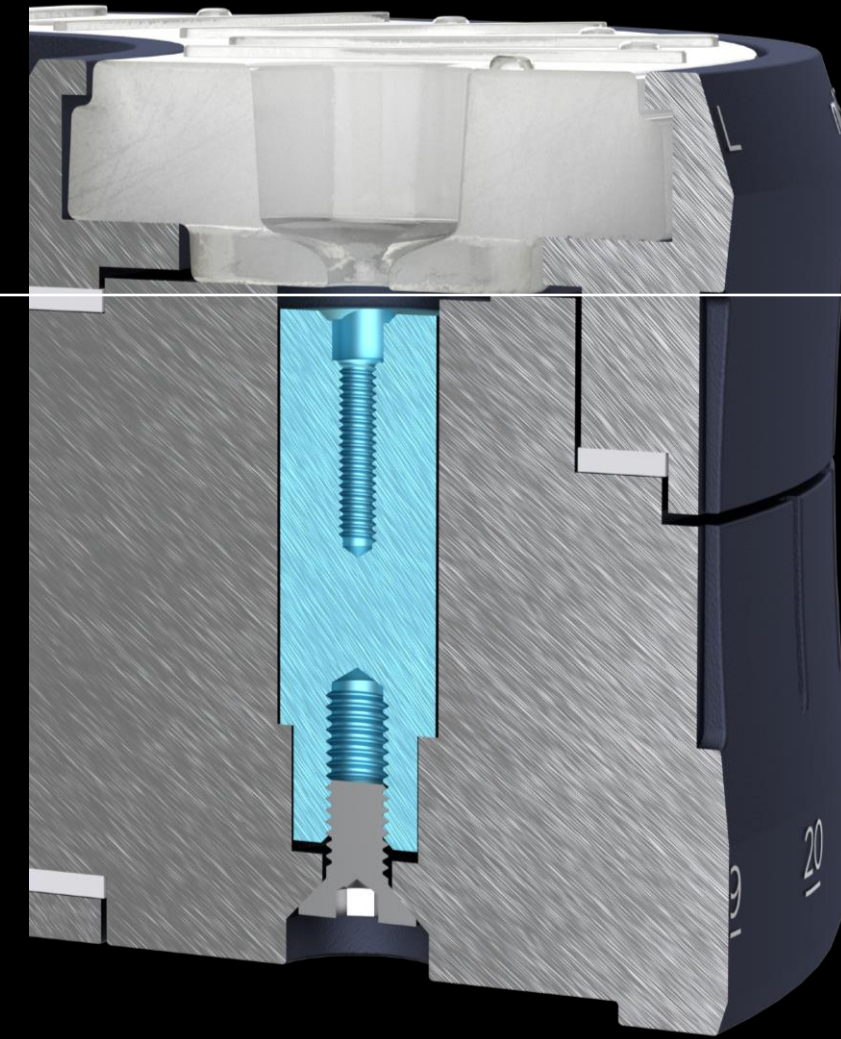
13 - 22

23 - 33

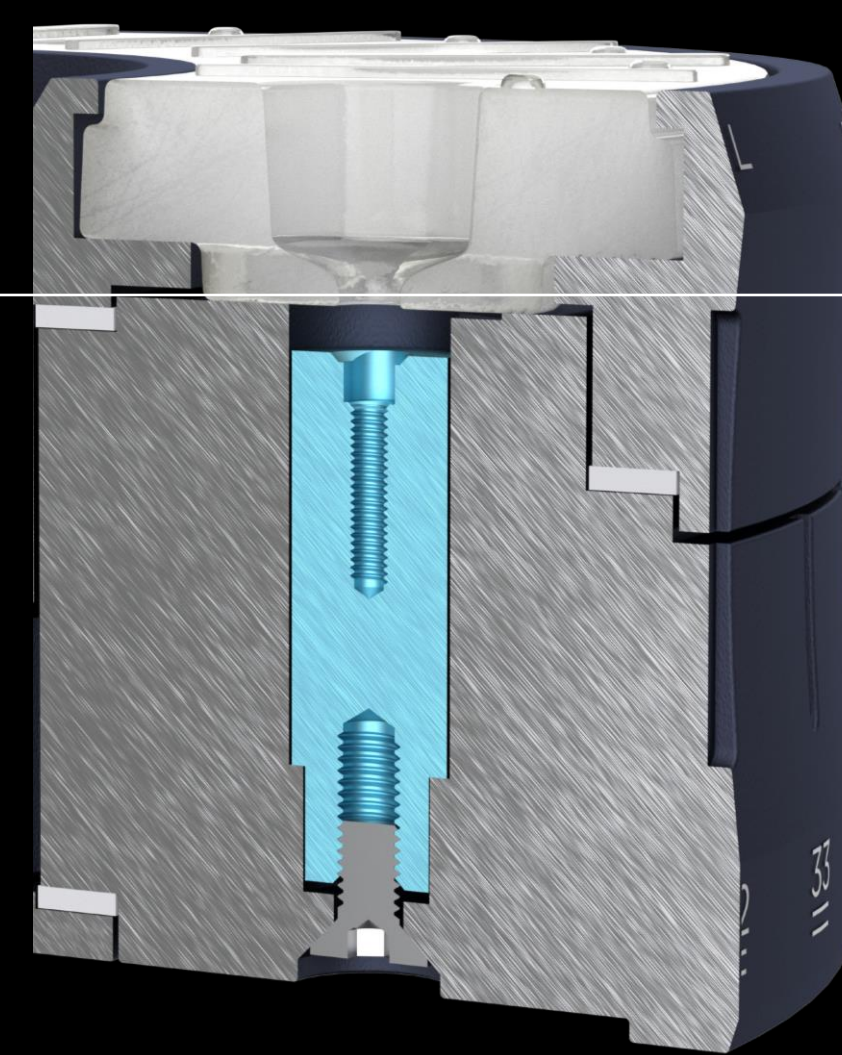
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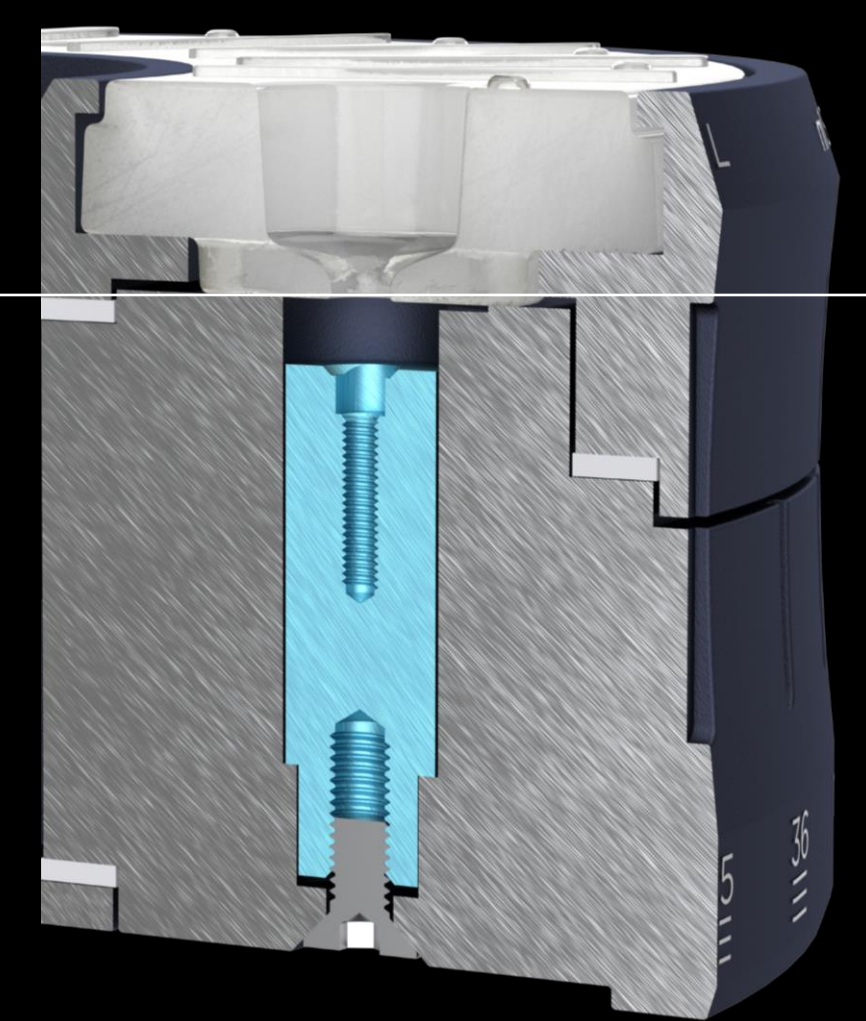
0 mm



-1 mm



-2 mm



-3 mm





0



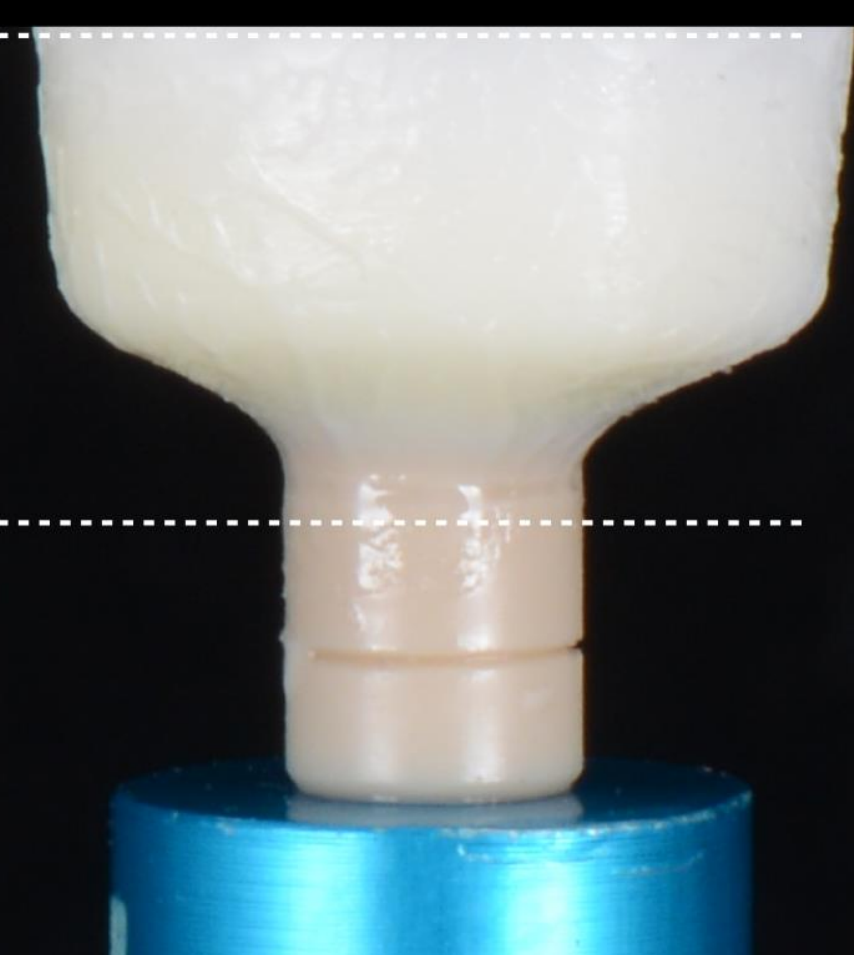
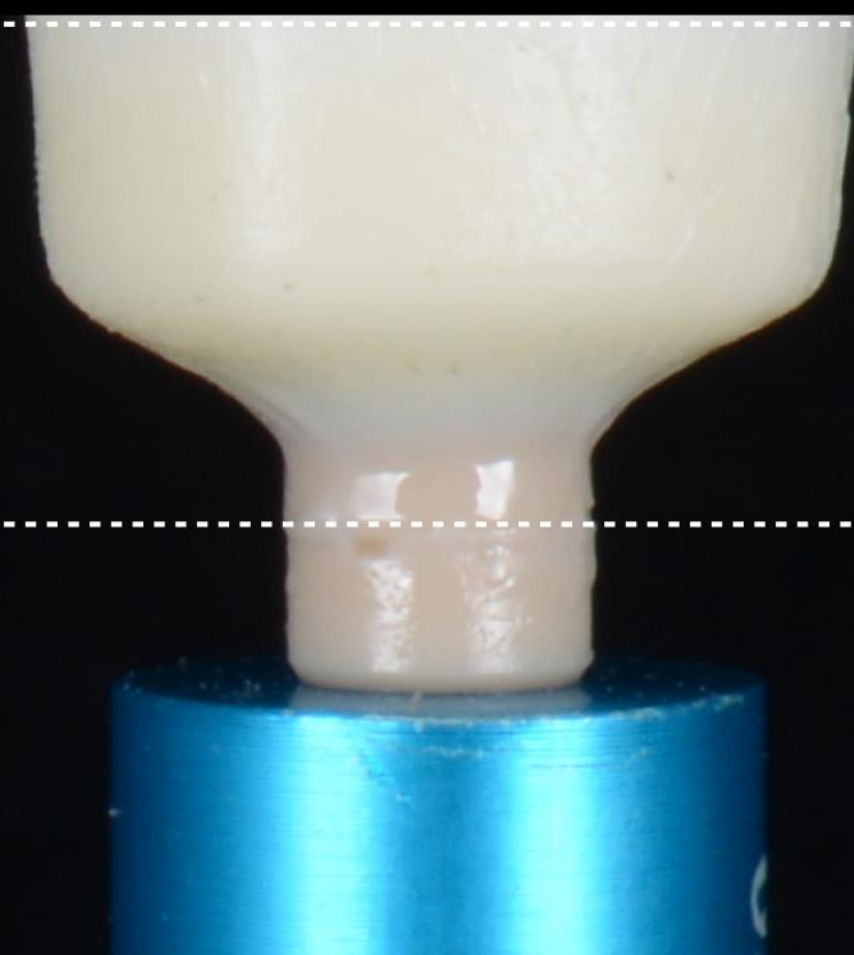
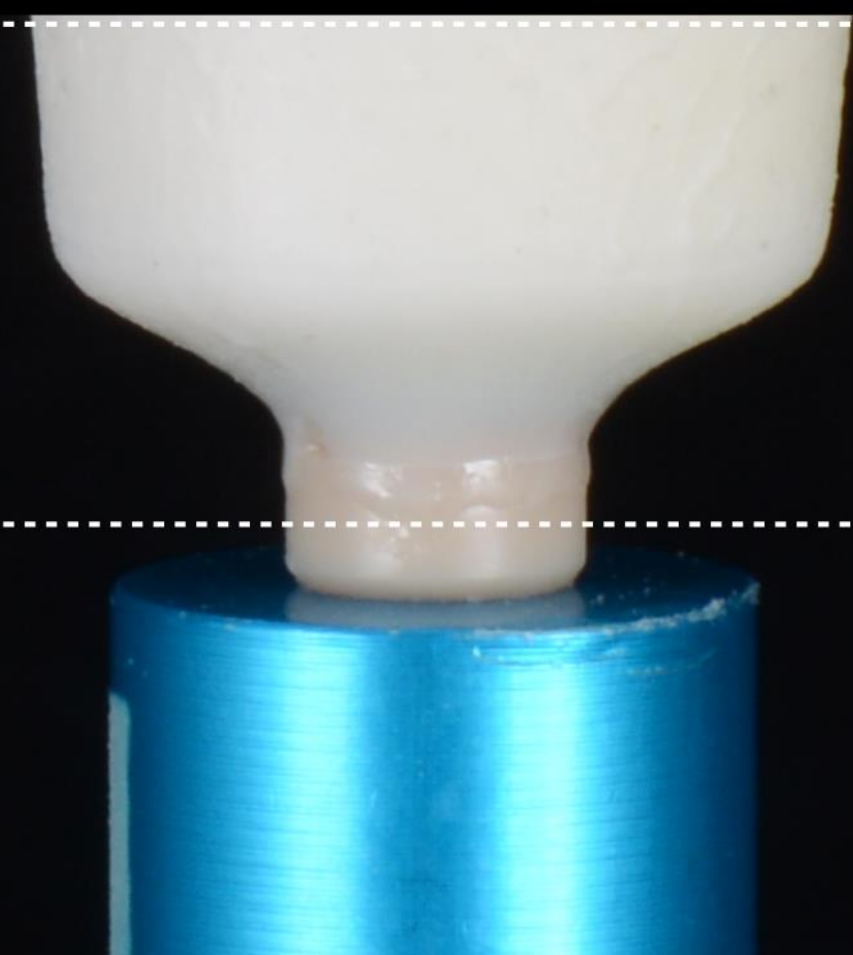
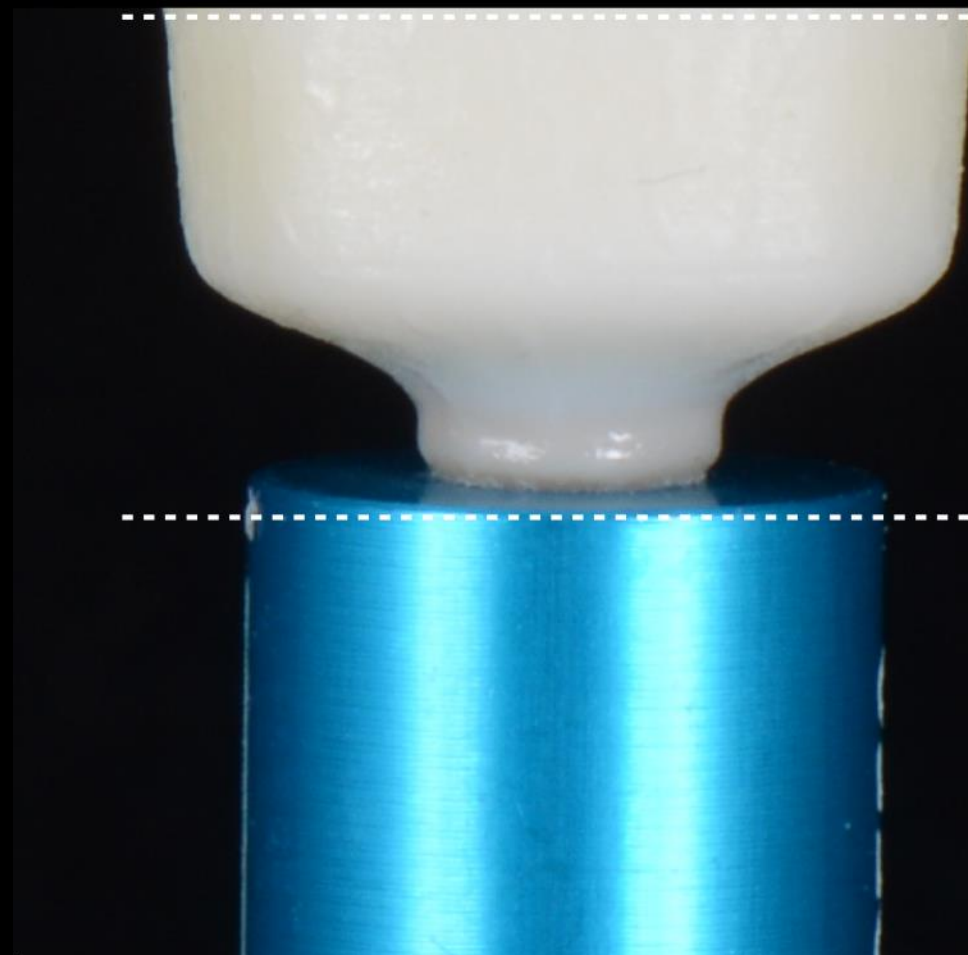
-1



-2



-3



Versatility

Shapes

4

Symmetry

2

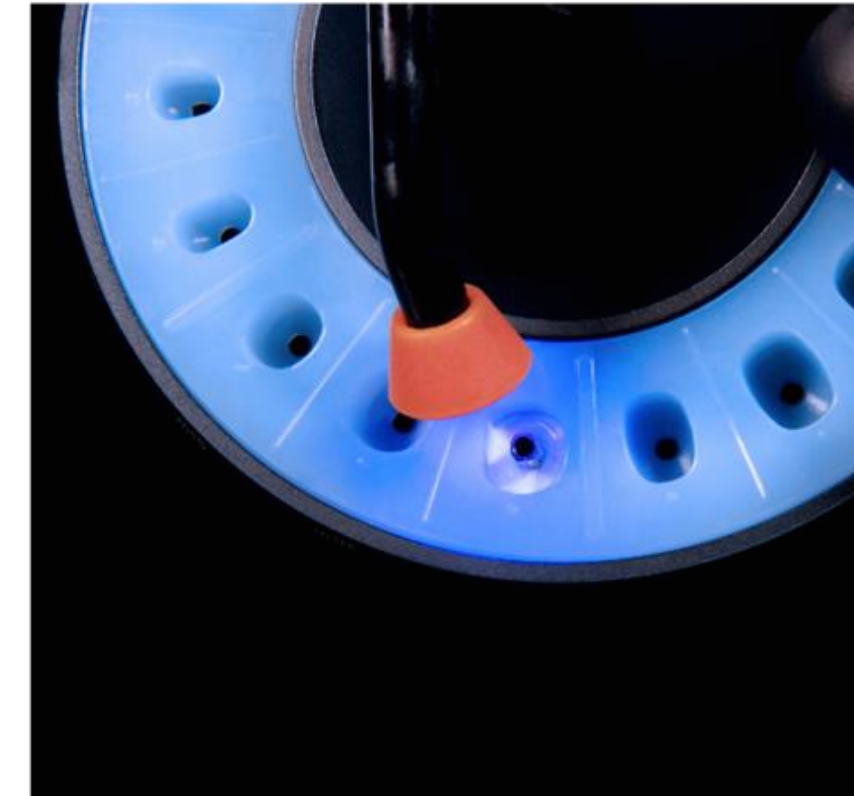
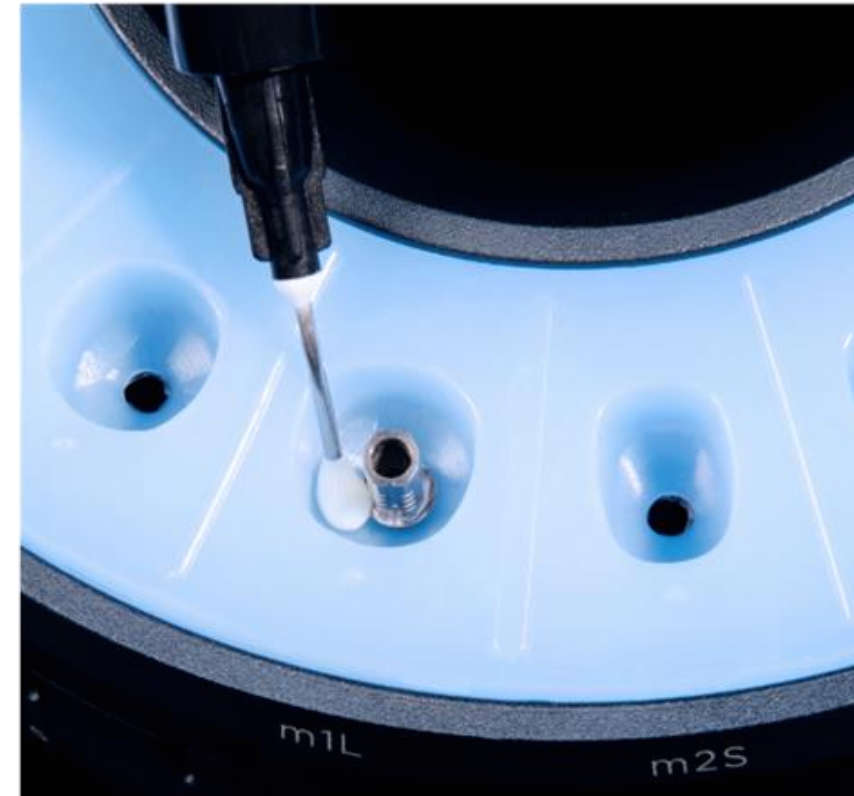
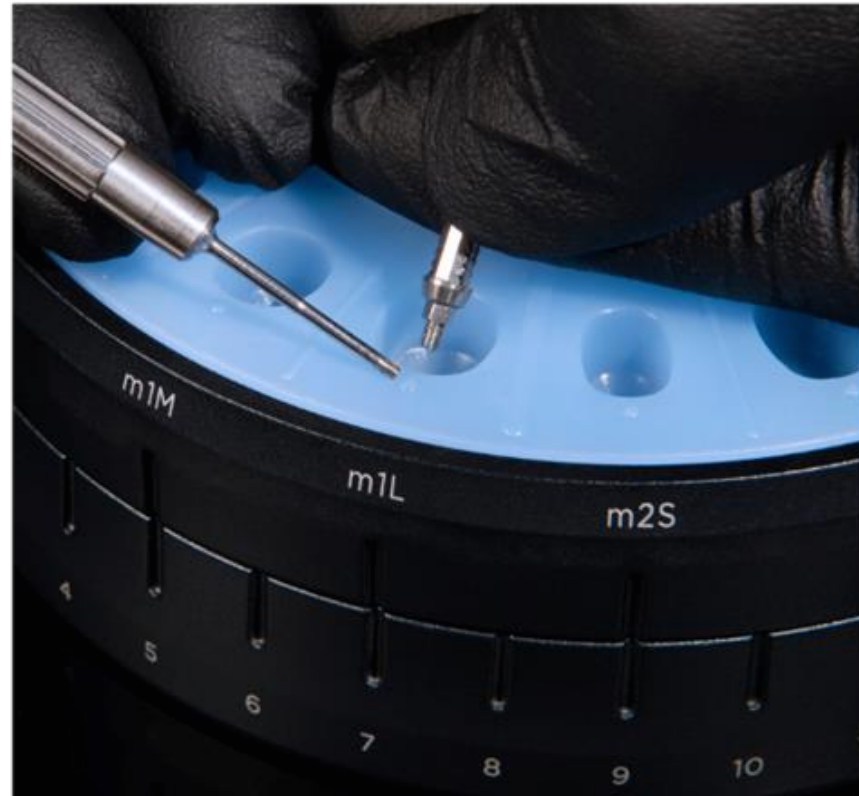
Sizes

3

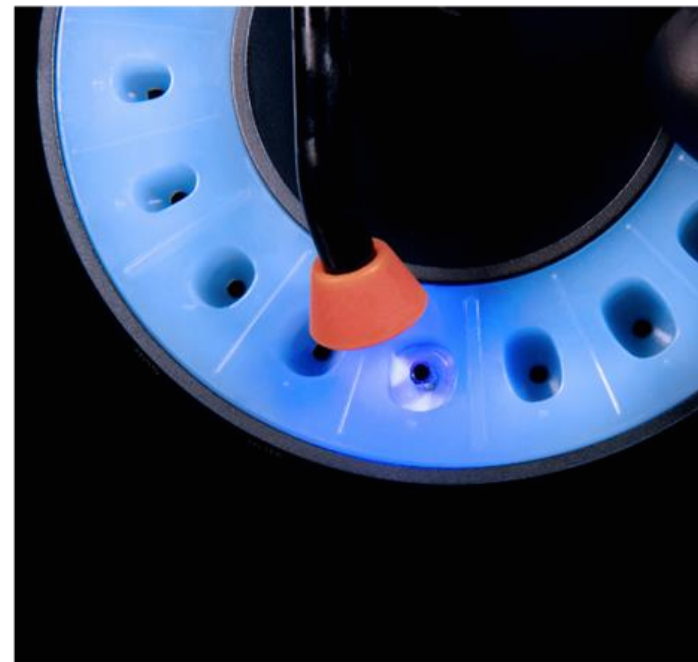
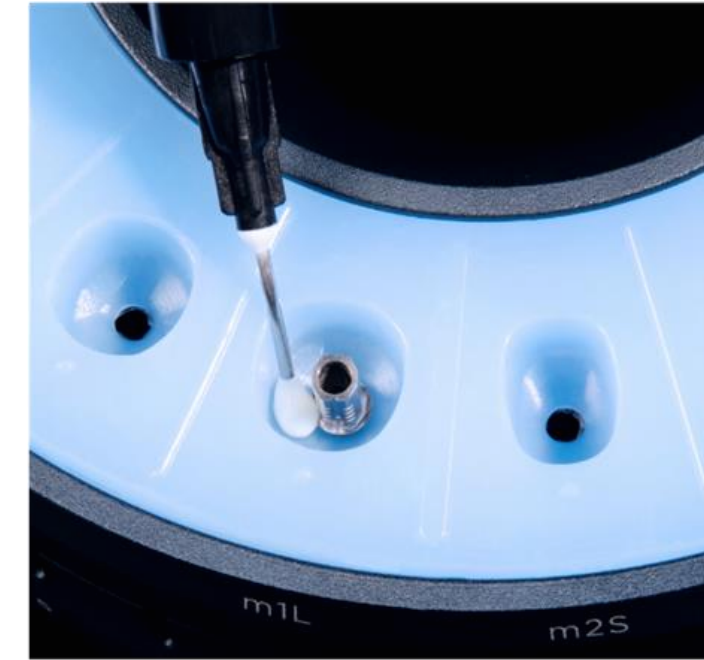
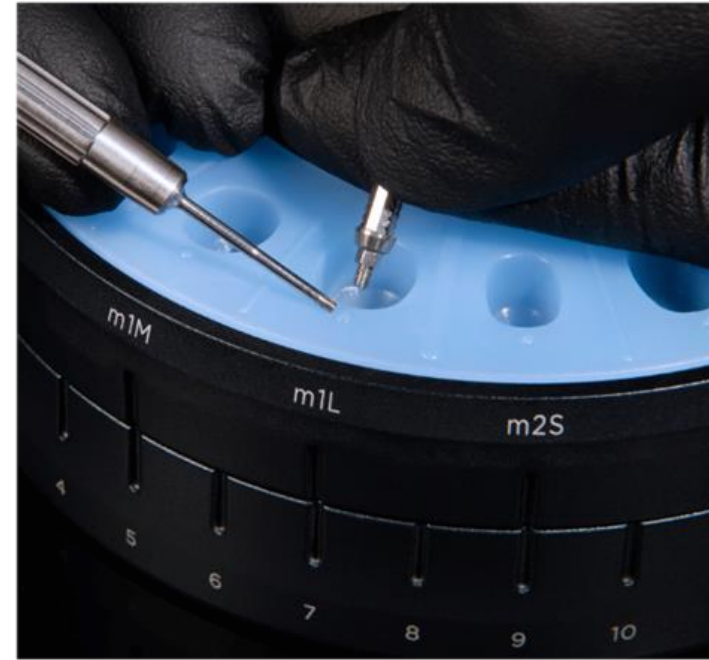
Heights

4

= **96 Options** / implant platform



Workflow



The **dental assistant**
can fabricate
everything in a matter
of a few minutes



Cervico Essential Mold

Cervico kits



Cervico Essential Kit



Cervico Premium Kit



STOCK

- 1 Cylindrical soft tissue profile
- 2 No benefit in soft tissue volume
- 3 Limitations in prosthesis design
- 4 Prosthesis associated with food impaction & inadequate oral hygiene accessibility related complications
- 5 Questionable aesthetics with mushroom-shaped prosthesis
- 6 Anatomy collapse at immediate implant sites.

VS

CERVICO



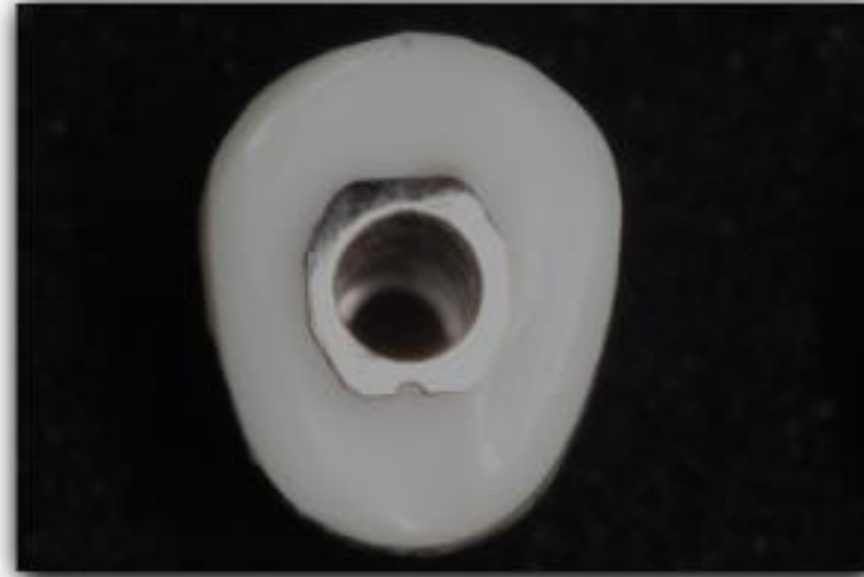
- 1 Anatomical soft tissue profile
- 2 Increased soft tissue volume
- 3 Foundation for design & delivery of an anatomically shaped prosthesis
- 4 Prosthesis associated with proper function & accessibility for effective oral hygiene
- 5 Better aesthetic results
- 6 Anatomy preservation at immediate implant sites





Cervico system comparison chart	Essential Mold	Essential Kit	Premium Mold	Premium kit
Fabrication of custom healing abutment (centered and off-centered)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fabrication of custom impression post (centered and off-centered)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Duplication capability	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Accurate and reproducible control of platform depth and prosthetic orientation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3D stability of the abutment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Easy and safe selection of shape and size of the custom healing abutment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Diagnostic evaluation of the mesiodistal space	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Surgical guide respecting both surgical and restorative principles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Evaluation of the implant platform size in relation to the	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

anterior

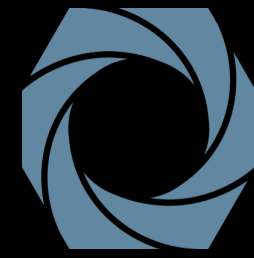


premolars



molars





Accessories





Patent protected

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Publication Date: 17.12.2015 **International Filing Date:** 12.06.2015
Chapter 2 Demand Filed: 06.04.2016
IPC: **A61C 8/00** (2006.01), **A61C 9/00** (2006.01), **A61C 19/04** (2006.01), **A61C 13/00** (2006.01), **A61C 13/20** (2006.01), **A61C 1/08** (2006.01)

Applicants: **VERGOULLIS, Ioannis** [GR/GR]; GR
PAPADOPOULOS, Georgios [GR/GR]; GR

Inventors: **VERGOULLIS, Ioannis**; GR
PAPADOPOULOS, Georgios; GR

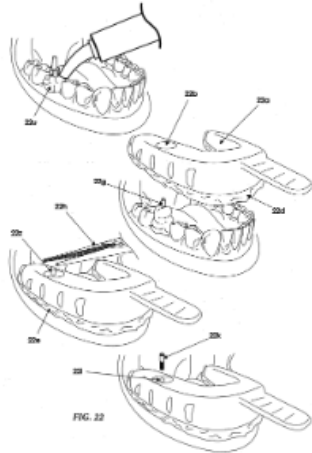
Agent: **KILIMIRIS, Constantinos**; Patrinos & Kilmiris 7 Hatzigianni Mexi St. GR-11528 Athens, GR

Priority Data: 20140100327 13.06.2014 GR
20140100642 16.12.2014 GR
20150100090 04.03.2015 GR
20150100111 12.03.2015 GR

Title **(EN)** ABUTMENTS AND IMPRESSION POSTS FOR DENTAL IMPLANT PROCEDURES
(FR) PILIERS ET TENONS D'EMPREINTE DESTINÉS À DES PROCÉDURES D'IMPLANTATION DENTAIRE

Abstract: **(EN)** The fabrication of straight and angulated, custom, potentially modifiable abutments; straight, custom, potentially modifiable open tray impression posts; and straight and angulated, custom, potentially modifiable closed tray impression posts is provided. The custom abutments achieve the development of a three dimensionally customized gingival emergence profile according to the needs of each clinical case in different sizes and dimensions around the implant platform. Impression posts corresponding to the custom abutments in dimensions and angulations allow the recording and transfer of the developed gingival profile from the mouth onto the working cast in order for the final prosthesis to be fabricated accurately, while they also have independent parts that improve the quality of the results of the implant treatment process. The custom abutments and impression posts moreover can be modified to be temporary abutments used to support a temporary prosthesis and can also be scanned by a digital scanner in order to generate a digital impression and/or digital working cast.

(FR) L'invention concerne la fabrication de piliers droits et coudés, personnalisés et potentiellement modifiables, de tenons d'empreinte à porte-empreinte ouvert droits, personnalisés et potentiellement modifiables, et de tenons d'empreinte à porte-empreinte fermé droits et coudés, personnalisés et potentiellement modifiables. Les piliers personnalisés permettent le développement d'un profil d'émergence



Pub. No.: WO/2017/221097 **International Application No.:** PCT/IB2018/055593
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Chapter 2 Demand Filed: 19.10.2017

IPC: **A61C 8/00** (2006.01), **A61C 13/00** (2006.01) ②

Applicants: **VP INNOVATO HOLDINGS LTD.** [CY/CY]; Riga Fereou 2, Limassol Center, Block B, 4th Floor, Office 406 Lemessos, 3095, CY

Inventors: **VERGOULLIS, Ioannis**; GR
PAPADOPOULOS, Georgios; GR

Agent: **KILIMIRIS, Constantinos**; GR

Priority Data: 20170100383 21.08.2017 GR

Title **(EN)** DENTAL ABUTMENT CORE AND METHOD FOR MANUFACTURING A DENTAL ABUTMENT
(FR) NOYAU D'ÉLÉMENT DE BUTÉE DENTAIRE ET PROCÉDÉ DE FABRICATION D'ÉLÉMENT DE BUTÉE DENTAIRE

(EN) The invention is related to a dental abutment core (1) comprising a prosthetic connection (2), a pillar (4) and a shoulder (3) located between the prosthetic connection (2) and the pillar (4). The pillar (4) comprises anti-rotational means (431, 432) for preventing a custom body from rotating with respect to the dental abutment core (1). The pillar (4) comprises a first portion (41) adjacent to the shoulder (3), a second portion (42) adjacent to the first portion (41), and a third portion (43) farthest from the shoulder (3). A cross section of at least part of the first portion (41) is circular and has an outer diameter which is lower than a cross section dimension of the second portion (42). The anti-rotational means (431, 432) are comprised in the third portion (43). The invention also provides a method for manufacturing a dental abutment comprising such a dental abutment core (1).

(FR) La présente invention concerne un noyau d'élément de butée dentaire (1) comprenant un élément de liaison prothétique (2), un pilier (4) et un épaulement (3) situé entre l'élément de liaison prothétique (2) et le pilier (4). Le pilier (4) comprend des moyens anti-rotation (431, 432) pour empêcher un corps personnalisé de tourner par rapport au noyau de l'élément de butée dentaire (1). Le pilier (4) comprend une première partie (41) adjacente à l'épaulement (3), une deuxième partie (42) adjacente à la première partie (41), et une troisième partie (43) la plus éloignée de l'épaulement (3). Une section transversale d'au moins une partie de la première partie (41) est circulaire et présente un diamètre externe qui est inférieur à une dimension de section transversale de la seconde partie (42). Les moyens anti-rotation (431, 432) sont compris dans la troisième partie (43). L'invention concerne également un procédé de fabrication d'un élément de butée dentaire comprenant un tel noyau d'élément de butée dentaire (1).

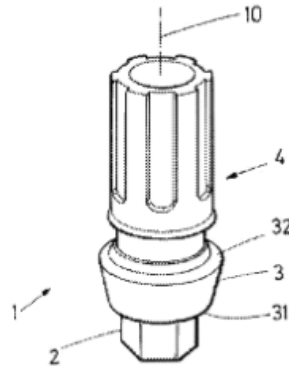


FIG.1

Pub. No.: WO/2017/221097 **International Application No.:** PCT/IB2017/053419
Publication Date: 28.12.2017 **International Filing Date:** 09.06.2017
Chapter 2 Demand Filed: 19.10.2017

IPC: **A61C 8/00** (2006.01), **A61C 1/08** (2006.01) ②

Applicants: **VP INNOVATO HOLDINGS LTD.** [CY/CY]; Riga Fereou 2, Limassol Center, Block B 4th Floor, Office 406 3095 Lemessos, CY

Inventors: **VERGOULLIS, Ioannis**; GR
PAPADOPOULOS, Georgios; GR

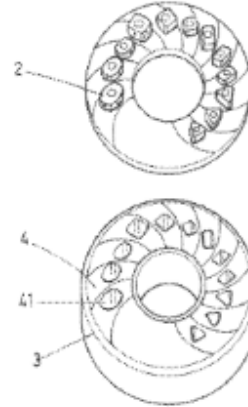
Agent: **KILIMIRIS, Constantinos**; GR

Priority Data: 20160100338 24.06.2016 GR
20160100536 17.10.2016 GR

Title **(EN)** DENTAL TOOLS SYSTEM AND METHOD
(FR) SYSTÈME ET PROCÉDÉ D'OUTILS DENTAIRE

Abstract: **(EN)** The invention provides a dental tools system (1) comprising a plurality of guide tabs (2); a mold (3) and a plurality of tissue punch heads (5). The mold (3) comprises a plurality of mold holes (4), each mold hole comprising a top portion (41) and a bottom portion (42). Each guide tab (2) fits in the top portion (41) of one of the mold holes (4) and each tissue punch head (5) fits in the top portion (41) of one of the mold holes (4). The invention also provides a method of placing dental implants.

(FR) La présente invention concerne un système d'outils dentaires (1) comprenant une pluralité de pattes de guidage (2); un moule (3) et une pluralité de têtes de poinçon de tissu (5). Le moule (3) comprend une pluralité de trous de moule (4), chaque trou de moule comprenant une partie supérieure (41) et une partie inférieure (42). Chaque patte de guidage (2) s'ajuste dans la partie supérieure (41) d'un des trous de moule (4) et chaque tête de poinçon de tissu (5) s'ajuste dans la partie supérieure (41) d'un des trous de moule (4). L'invention concerne en outre un procédé de placement d'implants dentaires.



Pub. No.: WO/2015/189647 **International Application No.:** PCT/GR2015/000029
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Chapter 2 Demand Filed: 02.02.2016

IPC: **A61C 13/00** (2006.01), **A61C 8/00** (2006.01) ②

Applicants: **GP INNOVATO CYPRUS LTD** [CY/CY]; Riga Feraiou 2, Limassol Center Block B, 4th floor Flat /office 406, 3095, Limassol, CY

Inventors: **VERGOULLIS, Ioannis**; GR
PAPADOPOULOS, Georgios; GR

Agent: **KILIMIRIS, Constantinos**; Patrinos & Kilimiris 7, Hatzigianni Mexi Str. GR-11528 Athens, GR

Priority Data: 20140100327 13.06.2014 GR
20140100642 16.12.2014 GR
20150100090 04.03.2015 GR
20150100111 12.03.2015 GR

Title **(EN)** MOLDS FOR CUSTOM DENTAL IMPLANT ABUTMENTS AND IMPRESSION POSTS
(FR) MOULES POUR PILIERS IMPLANTAIRES ET TIGES D'EMPREINTE DENTAIRE SUR MESURE

(EN) Molds for fabrication of custom and potentially modifiable abutments and impression posts for dental implants with various degrees of angulations (including zero degrees) and various dimensions are provided, with a generally oval shape that expands laterally upwards, a symmetrical or asymmetrical cross-section, and regular surfaces, that are fabricated as one piece, or as two coupling pieces snapping onto each other. Custom abutments achieve the development of a custom gingival emergence profile, three dimensionally, which is potentially modifiable according to the needs of each particular clinical case. Custom impression posts that correspond in dimensions and angulations to the abutments allow the accurate recording and transfer of the developed gingival emergence profile from the mouth onto the working cast, where the final implant prosthesis is fabricated. The custom abutments and impression posts have properties and design that allows their preparation and usage as temporary abutments for the cementation and support of temporary prostheses, following the same principals as per teeth temporary rehabilitation, but they can also be scanned by a digital scanner for the generation of a digital impression and the fabrication of a digital prosthesis.

(FR) L'invention concerne des moules utilisables en vue de la fabrication de piliers et de tiges d'empreinte sur mesure et potentiellement modifiables pour implants dentaires présentant divers degrés d'angulation (y compris zéro degré) et diverses dimensions, de forme généralement ovale se reliant latéralement vers le haut.

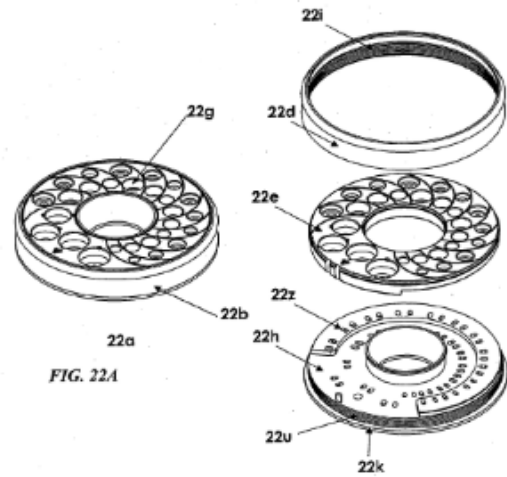


FIG. 22A

FIG. 22B

