IMPLANTOLOGY PROGRAMME
Dear customers and business partners,

As a researching dental company, we take your requirements as dentists very seriously. So we aim to tailor every one of our branded products to your specific needs, and ensure that they are reliable, easy to use and of the highest quality. With this in mind, VOCO has already introduced a whole host of product innovations on the dental market which have set new standards in quality. Often they are far more than mere consumables – they have, in fact, become problem solvers.

Particularly for implant treatment, we have been successful in this respect with our Quick Up system. Further information on this and all of our other products which aid you in your search for tailored solutions for your day-to-day work can be found on the following pages.

In addition to information covering all aspects of the product and its applications, a range of photographs show you it in use in routine clinical practice.

If you have any questions or require further information, please feel free to contact your personal VOCO dental customer consultant. Of course, our Customer Service department will also be pleased to help (contact them by e-mail to service@voco.de or by Freecall on 00 800 44 444 555).

Product information, instructions for use, scientific information, clinical case reports and lots more are also available at www.voco.de.

Your VOCO GmbH
### ORAL CARE
- CleanJoy

### RESTORATIVES (COMPOSITES)
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- GrandioSO Heavy Flow

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- Quick Up
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- Meron

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- Provicol QM Plus
- Provicol QM
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- Dispenser type 2
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- QuickMix Dispenser
- AC Applicator type 1
- Mixing tips and Application cannulae
- Intraoral tips
ICONS

The following icons enable you to quickly find the right product and make a first assessment and judgement within seconds, which allows you to quickly gain a general overview.

Material composition
Both the fillers and the resin matrix of this product are based purely on silicon oxide.

Curing of the material
This product either cures through exposure to light or it self-cures chemically. For detailed information, please consult the instructions for use.

Curing of the material
This product self-cures chemically. For detailed information, please consult the instructions for use.

Curing of the material
This product cures through exposure to light. The time indicated represents the average time. For detailed information, please consult the instructions for use.

Method of application
Preparatory conditioning of the tooth surface is not required before application of this material to the tooth. For detailed information, please consult the instructions for use.

Method of application
No separate etching of the tooth surface is required before the adhesive system (bond) is used. For detailed information, please consult the instructions for use.

Indications
According to indications, this product is suitable for fillings of the classes of cavity listed. For detailed information, please consult the instructions for use.

Volume shrinkage
During setting, this product is subject to the volume shrinkage indicated in percent.

Filler content
This product has a defined filler content, which is indicated in percent by weight.

Hardness of the material
This product possesses the shore A hardness shown.

Radiopacity
After completion of the working process, this material is highly radiopaque. The value shown indicates the radiopacity in percent relating to the aluminium equivalent.

Indications
This product can be used for temporary types of treatment. For detailed information, please consult the instructions for use.

Fluoride content
This product contains the level of fluorides indicated. For detailed information, please consult the instructions for use.

Material composition
This product contains the ingredient shown.

Working directions
This product does not require additional polishing when completely cured. For detailed information, please consult the instructions for use.

Material compatibility
This product can be used with the materials indicated. For detailed information, please consult the instructions for use.

CAD / CAM
This product is suitable for use in digital dentistry. For detailed information, please consult the instructions for use.

Indication of retention time in the mouth
This product is retained in the mouth for the minimum duration shown.

Indication of working time
The maximum extraoral working time for this product is as shown.

Indications for process monitoring
This device either already possesses, or can be upgraded with, sensors for printing process assurance.

Information on material vat
This product uses the patented flexible vat technology for reduced peeling forces and a decreased requirement for support structures.

Indication of wavelength
This material can be light-cured using a UV-LED light source with the wavelength shown.

Format of communication data
This product processes the data format indicated.

Non-sedimenting
This product is non-sedimenting. The product enables additive manufacturing of objects from homogeneous solution throughout the entire printing process.
CleanJoy®
Fluoride-containing tooth cleaning and polishing paste in three cleaning grades

Indications
Removal of soft and hard surface plaque
Removal of extrinsic discolouration (e.g. staining from coffee, tea or tobacco)
Polishing of tooth surfaces as part of professional tooth cleaning, prior to whitening or following the removal or orthodontic devices
Cleaning and polishing of restorations as part of professional tooth cleaning
Removal of residues of temporary luting material prior to definitive bonding (cementation)

Advantages
• Stable, homogenous consistency
• No splashing (2,000 - 3,000 r / min)
• No parabens
• Available in three abrasion grades, thus can be individually adjusted to each situation
• RDA values (measured in accordance with DIN EN ISO 11609)
  – coarse (red)    RDA = 195
  – medium (yellow)    RDA = 127
  – fine (green)    RDA = 16
• Traffic light coding: simple to use without confusion
• The green polishing paste has a very low grade of abrasion and is therefore also suitable for the care of implants
• Can be used with any conventional instrument (small brush, cup etc.)
• Contains fluoride (700 ppm) and xylitol (inhibiting effect on the metabolism of bacteria)
• Pleasant light mint flavour

Advantages of the SingleDose
• Easy, quick and hygienic
• No additional devices required
• No spilling in any position

Application
GrandTEC®
A stable basis for fixed temporary work

High functional and aesthetic demands have to be met by the temporary restoration of a single-tooth space, especially in the anterior region. In such cases, a removable temporary restoration would have several disadvantages compared to a fixed restoration. For example, there is the risk that clasps will be visible. The temporary restoration would also need to be constantly removed from the mouth for cleaning. In the familiarisation phase, in particular, wearing comfort for the patient would be affected by increased salivation, while the need for the tongue to adapt to continually changing oral situations would impair the patient’s phonetics and pronunciation. Furthermore, problems for the removable temporary restoration could arise when biting off food. These are all things that patients who have decided on an implant solution would find hard to tolerate, and thus they would also demand a fixed temporary solution.

With GrandTEC, VOCO now has the answer to this requirement for aesthetics, comfort and secure retention – a product that enables simple fabrication and integration of customised, fixed temporary restorations. GrandTEC is a glass fibre strand impregnated with light-curing methacrylate resins which remains sculptable until it is cured. It can be polymerised with conventional curing lights and is also compatible with all standard light-curing composites. In addition, GrandTEC can be used to reinforce or fabricate composite-based temporary crowns and bridges. But that's not all – GrandTEC is also ideal for the temporary restoration of edentulous spaces, e.g., using an extracted natural tooth or a prosthetic tooth. The integration of a fixed temporary restoration does not damage the substance of the neighbouring teeth, as the tooth surfaces are only prepared following the rules of the acid-etch technique. An adhesive is then applied, followed by a thin layer of flow composite to attach the glass fibre strand.

During the curing process, the resin-impregnated glass fibres bond with the flow composite, meaning that laborious and often uneven prior coating of the glass fibre strand with a bonding agent is dispensed with. The intensive chemical bond between the resin-impregnated glass fibres and the composite ensures that masticatory forces are distributed evenly throughout the restoration. This results in considerably improved stability, thus making the restoration significantly more resistant to fractures. In addition to its material characteristics, GrandTEC also impresses in terms of its handling. Each glass fibre strand is wrapped in an easy-to-remove protective film and sealed in an individual blister to protect it from exposure to light. The glass fibre strand can be easily trimmed to the required length in the protective film using fine-tip scissors. The protective film thus ensures problem-free handling and is only removed directly before the strand is positioned. GrandTEC is flexible and can be sculpted to the desired shape and adapted with the instruments normally employed in the composite adhesive technique. Tweezers with smooth tips facilitate positioning on the prepared teeth. Restorations reinforced with GrandTEC can be finished and polished with the same instruments as are used for composite restorations.
GrandTEC®
Resin-impregnated light-curing glass-fibre strands for dental adhesive technique

Indications
Stabilisation of teeth
– after orthodontic therapy
– after periodontal therapy
For support in trauma therapy
– locking and splinting avulsed or loosened teeth
– fragment fixation after fracture
For reinforcing / fabricating provisional bridges made from composite and temporary C&B-materials
For temporary treatment after extraction and replacing a missing tooth using an artificial tooth
For temporary or semi-permanent treatment of a tooth space using an extracted, natural tooth
For temporary treatment after placing an implant during the osseointegration of the implant

Advantages
• Additional product for reinforcing composite / flow composite in traumatology, periodontics, orthodontics, conservative dentistry and prosthodontics

Clinical Case

Source: Dr. Walter Denner, treatment of a space after extraction using the extracted tooth and GrandTEC, Fulda / Germany
Grandio®SO Heavy Flow

Flowable universal nano-hybrid restorative material – highly viscous

**Indications**
- Fillings of class I to V cavities
- Minimally invasive filling therapy
- Extended fissure sealing
- Blocking out undercuts
- Lining or coating cavities
- Repairing fillings and veneers
- Luting translucent prosthetic pieces (e.g., full ceramic crowns, etc.)
- Interlocking and splinting teeth (e.g., with glass fibre strands)
- Use as a base material in combination with glass fibres or similar products for fabricating semi-permanent crowns and bridges

**Advantages**
- Increased stability in comparison to conventional flowables, i.e. no undesirable runoff
- Universal application – for indication-appropriate treatment of all cavity classes
- Physical properties superior to those of various other packable materials, e.g. hardness, stability, abrasion resistance
- Very high filler content of 83 % w/w
- Precise dosing without excess for time-saving work
- Undercuts, approximal boxes and paragingival areas can be easily filled
- Ideal for use in combination with GrandTEC
- 13 shades for aesthetic restorations – perfectly coordinated with GrandioSO
- High shade stability
- Very good polishability and durable brilliance
- Available in the non-dripping NDT®-syringe and in Flow-Caps with flexible metal cannulae

**Clinical Case**
- Typical V-shaped cervical defect on 13
- Application of GrandioSO Heavy Flow after conditioning and bonding
- Restoration immediately after polishing

Source: Dr. Walter Denner, Fulda / Germany
Bifix® SE
Dual-curing self-adhesive composite-based luting system

Indications
Definitive luting of inlays, onlays, crowns and bridges (not Maryland bridges) made from ceramic, zirconium dioxide, composites and metal
Definitive luting of metal, ceramic, zirconium dioxide and fibre-reinforced posts

Advantages
• Secure adhesion to tooth and restoration
• Fast working: no etching, no bonding
• Odourless
• Easy handling
• Long-term durability
• Simple removal of excess material
• Minimal film thickness of 10 μm for precisely fitted luting without elevating the bite
• Also suitable for zirconium dioxide
• Endo-mixing tips in each package – for the most precise application even in the root canal

Application

Easy excess removal during gel-phase. Tack-cure Bifix SE using the curing light for 1 - 2 seconds per surface. The excess gel-like material is easily removeable, e.g. with a scaler.
Secure retention for acrylic-based dentures

The retention of full dentures is often unsatisfactory, and their fixation becomes more complicated with the advancing age of the patient. Today, implants are a suitable and widely employed means of securing full dentures. As a rule, the existing denture can still be used and merely needs to be fitted with the requisite attachments or secondary components (matrices) for removable connection to the implants.

In Quick Up, VOCO now offers a method of denture retention which is both simple and cost-effective. It not only ensures firm retention and greater comfort, but also prevents undesirable locking of attachments and secondary components to the implants. Quick Up can be employed rapidly in the practice in three steps, without any complications and with predictable results. This makes it possible to avoid inaccuracies, which could occur during transfer to a model in the laboratory, and the patient is spared the unpleasant waiting time without their denture.

The Quick Up complete set contains all the necessary and coordinated components for attaching female parts, attachments and other securing devices to acrylic-based dentures. The set comprises a low-viscosity covering and control silicone (Fit Test C & B), a self-curing, gingiva-coloured luting composite (Quick Up), an adhesive (Quick Up Adhesive) and a light-curing, gingiva-coloured luting composite (Quick Up LC) for any corrections.

The three steps of the Quick Up method are always performed in the same fashion. In preparation for bonding the attachments / secondary components, the first step is to grind free the marked areas in the denture base until the denture can be inserted over the implants with their positioned attachments / secondary components, without any hindrances and without contact between them. Their seating in the denture base is also checked with the control and covering silicone Fit Test C & B, and corrections are made as necessary. In the next step, the Fit Test C & B is removed and the adhesive applied. If necessary, the primary components are subsequently blocked out with the silicone. The attachments / secondary components are now positioned on the implants in the mouth and the openings in the denture base are filled to about two thirds with Quick UP. The denture is then inserted and the patient's teeth are brought into occlusion under control. After three and a half minutes, the luting agent has chemically cured and the denture can be removed. In the third step, any deficiencies are filled with the light-curing material Quick UP LC under visual control and cured. This is followed by finishing and polishing as usual. The result is a denture base with cleanly and securely luted attachments and secondary components.
Quick Up®
Self-curing luting material for attachments and secondary denture parts

Indications
Gingiva-coloured composite for luting attachments, such as ball, Locator® and telescope retention elements in prostheses with plastic bases
Reluting secondary elements in prostheses with plastic bases, e.g. connecting bars

Advantages
• Very simple chairside use
• High strength values
• Complete set for immediate use, including checking and block out material for primary structures that require protection, e.g. implants
• Ideal combination of self-curing luting material and light-curing correction material

Locator® is not a registered trademark of VOCO GmbH.

Application

- Implant with fitted attachments
- Prosthetic base with the recesses for the attachments already created
- Checking the accuracy of the fit with Fit Test C & B
- Checking of attachments for fitting accuracy with Fit Test C & B
- Blocking out, covering of primary parts / gingiva with Fit Test C & B
- Applying Quick Up from the QuickMix syringe
- Applying Quick Up LC to correct deficits and superficial defects
- Luted attachment in the prosthesis

REF 1625 Set QuickMix syringe 7.5 g, Quick Up LC syringe 2 g, adhesive bottle 4 ml, Fit Test C & B QuickMix syringe 5 ml, accessories
REF 1626 QuickMix syringe 7.5 g, accessories
REF 1627 Quick Up LC syringe 2 g, accessories
REF 1628 Adhesive bottle 4 ml, accessories
REF 2189 Mixing tips type 10, 50 pcs.
REF 2144 Application cannulae type 44, 100 pcs.
REF 2261 Single Tim, application brushes, 100 pcs.
REF 2247 Mixing palettes, 20 pcs.
Indications
Luting of
– metal-based crowns, bridges, inlays and onlays
– high-strength all-ceramic crowns and bridges
– metal-based and high-strength all-ceramic crowns and bridges on implant abutments
– metal root posts or indirect metal post core build-ups
– prefabricated steel crowns
– orthodontic bands

Advantages
• Sizeable amount available per capsule
  – also suitable for large restorations
• Very good wetting behaviour
• Stable
• Low film thickness
• High level of translucency for aesthetic results
• Simple removal of excess material
• Continuous release of fluoride
• No known postoperative sensitivities

In the new application capsule
• Activated quickly and simply, without activator
• Mix, open cannula and use immediately with an applicator
• Fits all conventional applicators

Meron (Application capsule)
Radiopaque glass ionomer luting cement

Indications
Luting of crowns, bridges, inlays, onlays, pins, posts and orthodontic bands

Advantages
• Low solubility in the mouth
• Low acidity
• Biocompatible
• Easy application

Meron
Glass ionomer luting cement

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Structur 3
Self-curing composite material for the fabrication of provisional crowns and bridges

Indications
Fabrication of temporary crowns, bridges, inlays, onlays, partial crowns, veneers and temporary posts
Fabrication of long-term temporaries
Lining of pre-fabricated temporary crowns made from composite materials, polycarbonate or metal

Advantages
- Processing
  - quick, simple and reliable thanks to the 1:1 cartridge system
  - short setting time
  - elastic phase allows simple removal from the prepared tooth
  - gloss without polishing – only requires removal of the inhibition layer
- Aesthetics
  - natural gloss and fluorescence
  - available in 8 shades
- Durability
  - high compressive strength
  - excellent fracture resistance

Clinical Case

Initial situation
Prepared cores
Finished temporary bridge
Appealing result

Source: Dr. Walter Denner, Fulda / Germany
**Provicol® QM Plus**

**Eugenol-free temporary luting cement with calcium hydroxide**

**Indications**
- Temporary luting of provisional restorations (crowns, bridges, inlays and onlays)
- Temporary luting of definitive restorations (crowns, bridges, inlays and onlays)
- Temporary obturation of small single-surface cavities

**Advantages**
- Increased strength for more retention and secure adhesion
- High level of radiopacity

**REF**
- 1098 QuickMix syringe 5 ml, accessories
- 1099 Set QuickMix syringe 3 × 5 ml (2 × Provicol QM, 1 × Provicol QM Plus), accessories
- 2261 Dispenser – QuickMix
- 2189 Mixing tips type 10, 50 pcs.

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**Provicol® QM**

**Eugenol-free temporary luting cement with calcium hydroxide**

**Indications**
- Temporary luting of inlays, onlays, crowns, partial crowns, bridges, attachments and posts
- Temporary filling of small one-surface cavities

**Advantages**
- Fast application without mixing
- Bubble-free perfect mixing
- Direct application

**REF**
- 1074 QuickMix syringe 5 ml, accessories
- 1099 Set QuickMix syringe 3 × 5 ml (2 × Provicol QM, 1 × Provicol QM Plus), accessories
- 2261 Dispenser – QuickMix
- 2189 Mixing tips type 10, 50 pcs.

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**Clip Flow**

**Flowable, light-curing filling material for temporary restorations**

**Indications**
- Temporary inlay and onlay treatments of the cavity
- Sealing of openings for implant screws
- Relining material for temporary crowns and bridges
- Block out material for retentive areas in the dental arch, e.g. before taking impressions
- Covering of the gingival margin
- Fixing of resin matrix during filling placement
- Temporary filling of cavities and sealing of root canal orifices

**Advantages**
- Easy to place – easy to remove in one piece
- No damage to preparation boundaries
- Durable and saliva-proof
- Non-adhesive
- Time-saving through light-curing
- Elastic
- Flowable

**REF**
- 1282 Syringe 2 × 1.8 g, accessories
- 2148 Application cannulae type 46, 100 pcs.
V-Posil Mono Fast

Precision impression material, VPS

**Indications**

V-Posil Mono Fast is to be used as a medium bodied tray or syringeable impression material for

- taking impressions over fixed / removable restorations and implants (i.e., transferring impression posts and bridge components)
- functional impressions
- fabricating crown and bridgework or inlays
- fabricating full or partial dentures
- relining impressions
- transferring root posts when fabricating posts and cores indirectly
- multi tray technique
- use in the simultaneous mixing technique as well as the putty-wash technique

**Advantages**

- Highly hydrophilic A-silicone for maximum precision
- High dimensional accuracy
- Long working time combined with a short intraoral setting time
- High recovery after deformation
- Good hydrophilicity, even after setting, renders pouring and thus the prosthetic restoration perfect

**V-Posil Adhesive**

Tray adhesive for VPS

**Indications**

Adhesive for VOCO addition-curing impression materials
Adheres to metals and acrylics

**Advantages**

- Good adhesive bond to the impression tray and impression material
- Striking colour contrast for good visual inspection

Further products from the V-Posil line you will find at www.voco.dental.
Impression / Denture Relining

Registrado® X-tra
Addition-curing silicone for bite registration, extra hard, fast setting

**Indications**
- Occlusal bite registration
- Fixing of face bow registrations
- Location material for intraoral pin tracing templates

**Advantages**
- Optimised final hardness
- Allows application without time pressure
- Highly thixotropic qualities
- Good grinding properties
- Very precise impressions
- With economic mixing tips

Registrado® Clear
Transparent addition-curing silicone for bite registration, fast setting

**Indications**
- Bite registration
- Registration key for intraoral bearing device registration
- Fixing of X-ray balls
- Front and occlusal record
- Silicone key for composite restorations

**Advantages**
- High final hardness combined with high transparency
- Convincing material consistency, ensures adherence to the row of teeth
- Work without time pressure thanks to temperature-controlled curing process (accelerated curing starts only when mouth closed)
- High dimensional and shape stability (> 99 %)
- Light-curing can be carried out perfectly through a layer of Registrado Clear

Fit Test® C & B
Addition-curing silicone material for checking of prosthetic reconstructions

**Indications**
- Control of precision of fit, marginal adaptation and marginal gaps of:
  - full or partial crowns as well as bridges
  - inlays / onlays
  - cast post abutments / post crowns
  - metal denture bases
  - implant-supported crowns and bridges
  - attachments and other secondary parts of dentures

**Advantages**
- Fast diagnostic help for all restorative pieces
- QuickMix syringe for simple handling
- Automatic bubble-free mixing
- Direct application
- Optimal colour for metal and ceramic restorations
- Fast results due to short working and setting time

Not available in Canada
Individuo® Lux
Preformed individual impression trays, light-curing

Indications
Fabrication of individual trays from contoured plates for maxillae and mandibles

Advantages
- In blue transparent or blue opaque colour
- Allows precise and economic processing
- Stable trays
- Pleasant mint flavour
- Non-sticky consistency
- Light-cured with standard halogen light or UVA lights

Profibase
Preformed transparent pink impression trays / base plates, light-curing

Indications
Fabrication of gingiva shaded bases for wax models of complete and partial dentures
Fabrication of individual trays from contoured plates for maxillae and mandibles

Advantages
- Gingiva shade
- Simple and time-saving shaping by hand
- Permanent stability and compressive strength
- Pleasant mint flavour
- Non-sticky consistency
- Light-cured with standard halogen light or UVA lights

Vococid®
Etchant for acid-etch technique

Indications
Etching liquid / gel for use in the enamel etching or in the total-etch technique

Advantages
- Available as a fluid (36.1 % phosphoric acid) or gel (35 % phosphoric acid)
- Blue colouring for visual monitoring during application
- Stable, non-dripping gel
- 60 ml syringe for keeping material in stock
Ufi Gel® SC · Ufi Gel® P
Permanently soft, cold-curing relining material on silicone base

**Indications**
- Permanently soft relining for total and partial dentures
- to eliminate pressure spots
- to dam the palatal vibrating line
- in cases of flabby ridges and / or insufficient adhesion
- to cushion sharp-edged alveolar processes
- to support the healing process in implantology

**Advantages**
- Top quality relining silicone
- Complete relining in one single session (chairside)
- Remains permanently soft
- Special adhesive for extreme bonding of silicone to denture
- Biocompatible (methacrylate-free)
- Neutral odour and taste
- Stable, aesthetic colour with chameleon effect
- Labside use: fewer steps than with other cold-cured materials
- For all PMMA based dentures
- Easy and fast application of direct and indirect relining
- Excellent adaptation to fine details for a precise fit of the denture
- Resistant against standard denture cleansers

**Clinical Case**
SEATING OF THE PROSTHESIS AND MOVEMENTS OF THE MANDIBLE

**Ufi Gel® SC**
- REF 2041 Set cartridge 50 ml, adhesive bottle 10 ml, glazing base 10 ml, glazing catalyst 10 ml, accessories
- REF 2040 Cartridge 50 ml, accessories
- REF 2029 Adhesive bottle 10 ml
- REF 2047 Glazing bottle 2 × 10 ml (base / catalyst)
- REF 2049 Polishing discs, 10 pcs.
- REF 2158 Dispenser – type 2
- REF 2187 Mixing tips type 8, 50 pcs.

**Ufi Gel® P**
- REF 2070 Set tube base 50 ml, catalyst 50 ml, glazing base 10 ml, glazing catalyst 10 ml, adhesive bottle 10 ml, accessories
- REF 2071 Tube 2 × 50 ml (base / catalyst)
- REF 2076 Adhesive bottle 10 ml
- REF 2077 Glazing bottle 2 × 10 ml (base / catalyst)
- REF 2309 Disposable brushes for dental brush holder, 100 pcs.
- REF 2315 Mixing palettes, 20 pcs.
- REF 2338 Brush holder for VOCO disposable dental brushes and Micro Tim, 5 pcs.
Grandio® blocs · Grandio® disc
Nano-ceramic hybrid CAD / CAM material

Indications
Crowns, inlays, onlays, veneers
Implant supported crowns

Advantages
- Highest filler content (86 % w/w)
- Resembles natural teeth perfectly
- Excellent physical values for flexural strength and abrasion
- No firing required
- Can be processed using any conventional milling unit
- Can be polished and repaired optimally
- Ideal for milling even in cases with thin edges
- Based on the nano-hybrid technology

Size disc

Sizes blocs

No. 14L

No. 12

Grandio® blocs

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<th>Farbe</th>
<th>5 x No. 12</th>
<th>5 x No. 14L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mixed*</td>
<td>REF 6033</td>
<td>REF 6034</td>
</tr>
</tbody>
</table>

*(1 each of A1 LT, B1 LT, C2 LT, BL LT, A1 HT)

Grandio® disc

<table>
<thead>
<tr>
<th>Low translucent (LT)</th>
<th>1 x 15 mm, ø 98.4 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1 LT</td>
<td>REF 6050</td>
</tr>
<tr>
<td>A2 LT</td>
<td>REF 6051</td>
</tr>
<tr>
<td>A3 LT</td>
<td>REF 6052</td>
</tr>
<tr>
<td>A3.5 LT</td>
<td>REF 6053</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>High translucent (HT)</th>
<th>1 x 15 mm, ø 98.4 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1 HT</td>
<td>REF 6057</td>
</tr>
<tr>
<td>A2 HT</td>
<td>REF 6058</td>
</tr>
<tr>
<td>A3 HT</td>
<td>REF 6059</td>
</tr>
<tr>
<td>A3.5 HT</td>
<td>REF 6060</td>
</tr>
</tbody>
</table>
V-Print SG

Material for 3D printing

**Indications**
Dental drilling templates

**Advantages**
- Medical device, class IIa
- Biocompatibility and neutral flavour ensure high level of patient acceptance
- 385 nm wavelength allows aesthetically pleasing clear-transparent print
- Dimensional stability and autoclavability for a high level of patient safety

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SolFlex 170

Additive manufacturing for digital dentistry

**Advantages**
- DLP-Technology with a long-lasting UV-LED light source enables printing of clear transparent items such as splints
- Maximized building speed with high process reliability due to SMP technology
- Patented Flex-Vat technology – increasing printing speed while minimizing support structures, saving time and material
- High vat volume allows production over night
- Processing of widely-used STL format

**Technical Data**

- Base area: 296 × 318 mm
- Build area: 56 × 89 mm (1 exposure area)
- Max. build height: 120 mm
- Layer thickness: 25 - 200 μm
- Building capacity: up to 3 / 6\(^{**}\) splints
- Building speed: up to 138 mm/h, depending on layer thickness material etc.
- Pixel size: 70 μm\(^*\)
- Precision: ± 35 μm

\(^*\) Pixel Size and Print Volume may vary.
\(^{**}\) Full arch splints. Printed on one or two levels with individual support.
OtoFlash
Polymerisation unit for light-curing resin materials

Advantages
• Short curing times thanks to 2 flash bulbs on the underside
• Reliably curing due to intensive light output in a wavelength range of 280 - 580 nm
• The device can optionally be supplied with protective gas equipment

Technical Data
Dimensions of polymerisation chamber 120 × 120 × 50 mm
Rated voltage 100, 117, 230 volt AC, adjustable by switch
Power input 250 watt
Spectral distribution 280 - 700 nm, maximum between 400 and 500 nm
Flash frequency 10 flashes per second
Digital timer adjustable from 1 to 9.999 flashes
Dimensions 310 × 310 × 140 mm
Weight 6 kg

VOCO Dynamic Dispenser
Dynamic mixing device

Indications
Device for the automatic dispensing and mixing of VOLO impression materials in the 5:1 cartridge

Advantages
• Homogeneous, dynamic mixing of product components to ensure a consistently high material quality
• Bubble-free dispensing
• Fill level display
• 2 feed speeds
• Electronic residue detection

REF 9133 Polymerisation unit
REF 9130 Polymerisation unit with connection for inert gas
REF 9132 Tray

REF 9140 Mixing device 230 V
Not available in Canada

REF 9133 REF 9130 REF 9132
Celalux® 3
High-Power LED curing-light

Indications
Curing of all light-curing dental materials whose polymerisation is activated within a wavelength range of 450 - 480 nm

Produktvorteile
- State-of-the-art LED technology with high light intensity (approx. 1,300 mW / cm²)
- Slim and ergonomic design (pen-shaped); weight of the handpiece, including device base and light guide, only 70 g
- Indicates how much time has elapsed by vibrating at the start, and again after 10 s and 20 s, instead of the acoustic signals previously used

Dispenser type 2
Dispenser to extrude dental materials from cartridges
For 1:1 or 1:2 cartridges (50 ml)
REF 2158 Dispenser – type 2

Dispenser type 3
Dispenser to extrude dental materials from cartridges
For 1:1 or 1:2 cartridges (25 ml)
REF 2259 Dispenser – type 3

QuickMix Dispenser
Dispenser to extrude dental materials from QuickMix syringes
For 1:1 QuickMix syringes
REF 2261 Dispenser – QuickMix

AC Applicator type 1
Forceps-type applicator to directly apply the content of VOCO application capsules (AC) into the cavity

REF 2331 Applicator – AC type 1
## Mixing tips

<table>
<thead>
<tr>
<th>REF</th>
<th>Description</th>
<th>REF 2194</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2185</td>
<td>Mixing tips type 6 for Structur 3 in cartridge, 50 pcs.</td>
<td>2194</td>
<td>Mixing tips type 14 for Bifix SE, 50 pcs.</td>
</tr>
<tr>
<td>2187</td>
<td>Mixing tips type 8 for Ufi Gel SC, 50 pcs.</td>
<td>2195</td>
<td>Mixing tips type 15 (with intraoral tips type 1) for Bifix SE, 50 pcs.</td>
</tr>
<tr>
<td>2188</td>
<td>Mixing tips type 9 for Fit Test C &amp; B, 50 pcs.</td>
<td>2196</td>
<td>Mixing tips type 16 (for intraoral tips type 2) for Registrado Clear, Registrado X-tra, V-Posil Heavy Soft Fast in cartridge, V-Posil Mono Fast in cartridge, 50 pcs.</td>
</tr>
<tr>
<td>2189</td>
<td>Mixing tips type 10 for Provicol QM, Provicol QM Plus, Quick Up, Structur 3 in the QuickMix syringe, 50 pcs.</td>
<td>2203</td>
<td>Mixing tips type 30 for V-Posil Heavy Soft Fast in large cartridge, V-Posil Mono Fast in large cartridge, 50 pcs.</td>
</tr>
<tr>
<td>2191</td>
<td>Mixing tips type 11 for Fit Test C &amp; B only with intraoral tips type 1, 50 pcs.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Application cannulae

<table>
<thead>
<tr>
<th>REF</th>
<th>Description</th>
<th>REF 2148</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2310</td>
<td>Application cannulae type 42 for Vococid, 30 pcs.</td>
<td>2148</td>
<td>Application cannulae type 46 for Clip Flow, GrandioSO Heavy Flow, 100 pcs.</td>
</tr>
<tr>
<td>2144</td>
<td>Application cannulae type 44 for Quick Up LC, 100 pcs.</td>
<td>2132</td>
<td>Application cannulae type 48 for Vococid, 50 pcs.</td>
</tr>
</tbody>
</table>

## Intraoral tips

<table>
<thead>
<tr>
<th>REF</th>
<th>Description</th>
<th>REF 2133</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2139</td>
<td>Intraoral tips type 1 for Bifix SE, 50 pcs.</td>
<td>2133</td>
<td>Intraoral tips type 6 for V-Posil Mono Fast, 50 pcs.</td>
</tr>
<tr>
<td>2140</td>
<td>Intraoral tips type 2 for Registrado Clear, Registrado X-tra, 50 pcs.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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Germany

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