## Scheining PRICES LAB

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JULY 2017



### **Ceramic Cutter for Acrylics**









K-K79GSQ104040

K-K251ACR104060

K-K261GSQ104023

#### **Ceramic construction = relatively poor heat conductivity, therefore there is:**

- Minimised heat, have your burs last longer & save
- NO CLOGGING
- EXCELLENT durability & cutting performance (works your handpiece motor less)

# The new PUK D3 – LAMPERT. developed for daily use in dental laboratories.

The micro pulse welding machine is compact and versatile in use, and is designed specially for applications and materials which are used in the dental field.

Using this TIG welding device it is possible to apply welding in all everyday tasks that arise in a dental lab, which could otherwise only be performed with a laser.

#### **FACTS THAT SPEAK FOR THEMSELVES:**

- Superior welding characteristics
- Consistently reproducible high-quality welding results with all materials suitable for welding
- Simple and intuitive to operate
- Precise positioning of the spot welds
- Very low, controllable development of heat
- Welding possible on even the thinnest of materials
- Makes repairs and creating new pieces faster and easier
- Welding microscope for precise welding results
- Maintenance-free technology
- Very low initial costs excellent price/performance ratio
- Mobile due to its compact size
- Very low costs of consumer materials
- Very low argan gas consumption





### **JULY 2017**

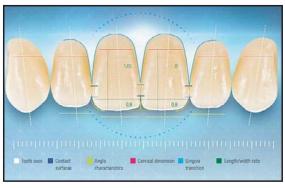
### VITAPAN® EXCELL

Perfect shape. Shade accuracy. Light dynamics.

## **VITA**





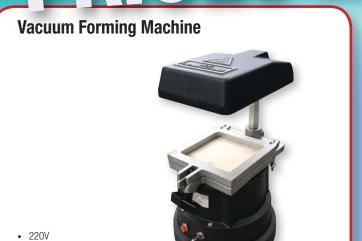




## Scheining BRICES LAB

#### ✓ HENRY SCHEIN®

CORPORATE BRAND







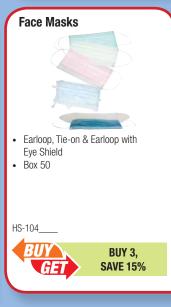


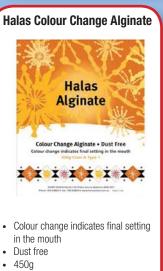
HS-100-9873











HS-ALGINATE





#### **VITA VMLC FLOW**



Case Report:

### VITA VMLC Flow: Artful & multifaceted individalisation with composite.

Urszula Mlynarska, Master Dental Technician Warsaw, Poland

#### "With VITA VM LC flow, practices and laboratories achieve brilliant results."

VITA ENAMIC can be customised with VITA VM LC flow (VITA Zahnfabrik, Bad Säckingen, Germany) for aesthetic reconstruction in the front. Urszula Mlynarska, Master Dental Technician (Warsaw, Poland), describes the entire process of a crown restoration of teeth 11 and 12 in her case report, starting with planning, followed by wax-up and cut-back, then individualisation. In addition, the author explains how natural, multi-faceted results can be achieved with the veneer composite.

#### Status following trauma

The female patient, who is now 23 years old, originally had a bicycle accident at the age of 16. The result was a traumatic crown fracture on 11 and 21 without involvement of the pulp and dislocation. The vital teeth were restored immediately with composite. However, the reconstruction did not allow long-term stability or a natural appearance, which the patient did not like. It was her desire to have the incisors restored in a highly aesthetic and stable manner. In order to restore them as desired, VITA ENAMIC in combination with VITA VM LC flow were selected as the restoration materials.



Fig. 1 Initial situation: Clinical situation after veneer preparation on 11 and 21.

Fig. 2 Result: A smile with a natural play of colour and light.



Fig. 3
Situation model with idealised wax-up and palatal silicon key.



Fig. 7
Layering using silicone key.



Fig. 8
Veneering with VITA VM LC flow (e.g., with EE1, EE2, EE9, ...).

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#### **VITA VMLC FLOW**

**VITA** 

#### Shade determination, preparation, and crown fabrication

The visual tooth shade determination was done with the VITA linear guide 3D MASTER. The result was checked with VITA Easyshade V. A VITA ENAMIC blank in the shade 1M2-HT was selected. A wax-up on a situation model helped to define the final treatment result. Preparation and impression followed. The produced master model was scanned with the aid of the 3Shape D850 (3Shape A/S, Copenhagen, Denmark). A fully anatomical crown was then digitally constructed and milled. After the try-in, a cutback was conducted incisally and centrally.

#### Individualisation of the reduced crowns

"I then used VITA VM LC flow for individualisation. The flowable veneer composite stays exactly where I have applied it. This makes it simple to maintain control during the veneering," reports Urszula Mlynarska. Thanks to the warm basic colour of the hybrid ceramic, a combination of warm and cold shades could be used. In order to create a three-dimensional effect, the dental technician recommends the interplay of opaque and translucent layers. Urszula Mlynarska's summary of the veneering composite: "Millions of combinations are possible. We are only limited by our imagination."

#### Elaboration and bonding

After the final polymerisation of the veneer, the morphology and texture of the surface were shaped with fine-grain diamond tools. To obtain natural reflections, the final polishing was done with a cotton buff and diamond polishing paste. For a reliable adhesive bond, the lumen of the crowns was etched with 5% hydrofluoric acid and then salinised. The end result shows a highly aesthetic restoration which integrates perfectly with the juvenile neighbouring teeth. The young patient was very satisfied with the "invisible" reconstruction.



Fig. 4 Clinical situation after veneer preparation on 11 and 21.



Fig. 5
Try-in of the restorations of the hybrid ceramic VITA ENAMIC on 11 and 21.



Fig. 6

Both restorations after the individual, incisal cutback using diamond tool.



Fig. 9
Final restoration on 11 and 21 with juvenile translucence



### HENRY SCHEIN®

DENTAL





















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KOMET Soft Acrylic Cutter

- Coarse efficient blade geometry prevents cutter from clogging
- Suitable for sports mouthguards, soft denture relines, soft artificial gums and positioners

TH251GSQ104060















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------ >CUT OUT AND KEEP -----

#### **COMPASS TC CUTTERS KOMET**

Recommendations for efficient use of tungsten carbide cutters in freehand cutting

