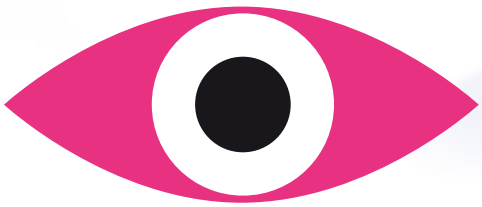
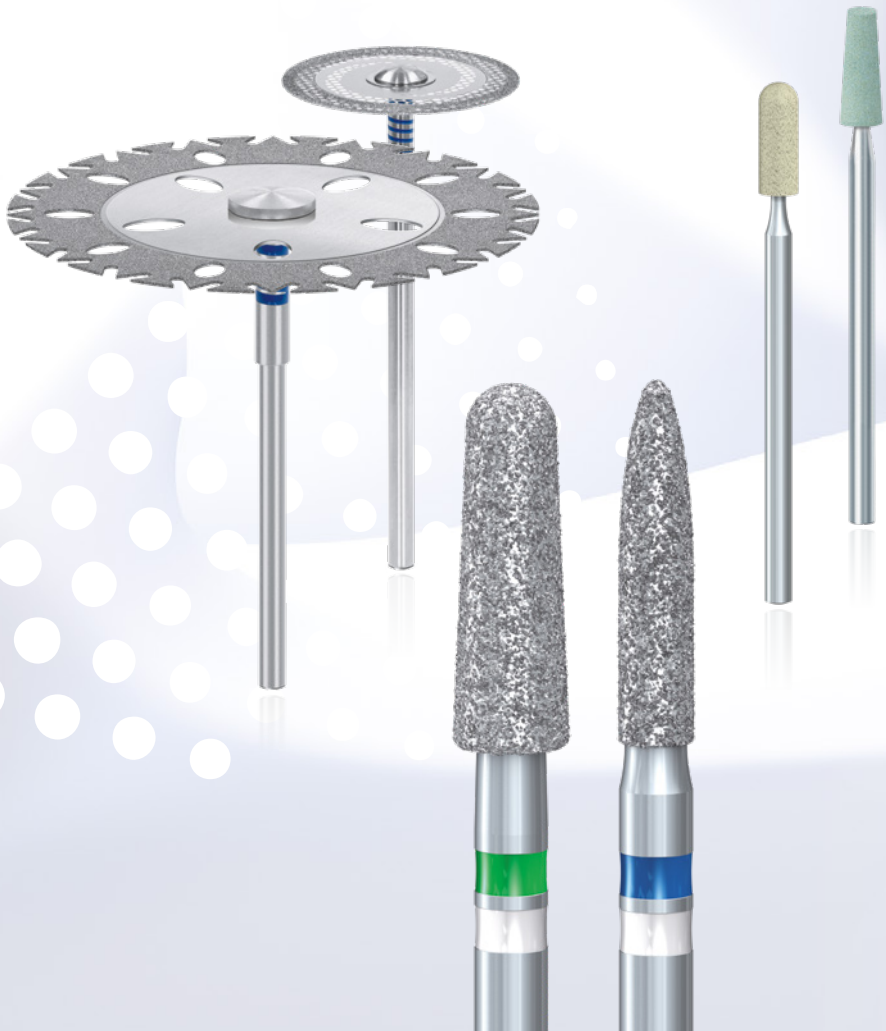
# Ceramic works of **art**.





# At the end of the day, what counts is a perfect result.

Ceramic restorations have been a scientifically acknowledged treatment method for a long time. They are extremely popular, last but not least because they do not contain any metal and look stunningly attractive.

It therefore comes as no surprise that patients' demand for ceramic restorations is ever-growing. However, the huge choice of materials and above all, the extreme hardness of high-end ceramics – in particular zirconium oxide – pose a major challenge to dental technicians that they have to face on a day-to-day basis.
The anatomical shape of the tooth and the macro and micro structures on the surface make every tooth as unique as a finger print. Even the tiniest detail has to be considered and transferred to the restoration in order to achieve a natural looking result. Every tooth, every patient is different, and dental technicians have to adapt to new anatomical conditions every time, which requires a lot of intuition and anatomical expertise. Reliable tools and material help turning ideas into reality, always with the goal to produce restorations that mimic nature as closely as possible.

Komet offers dental technicians a comprehensive range of reliable, high-end diamond tools to suit any material and indication. With these, you are perfectly prepared to face all your day-to-day challenges at the dental laboratory.



As at February 2019

# Index

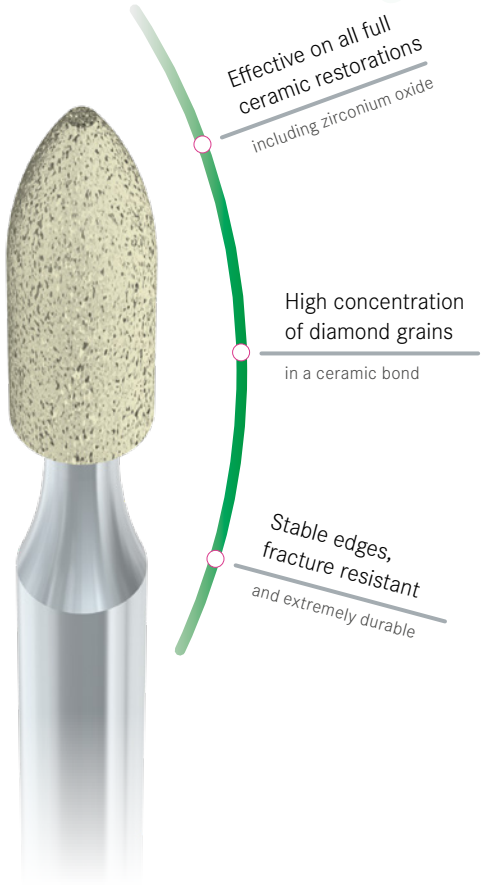
# Yellow or green on the outside, diamond on the inside.

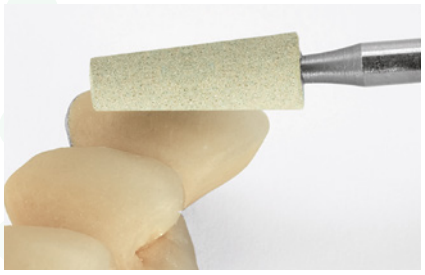
## Long-lasting companions for everyday use at the laboratory.

Life in the laboratory has definitely turned harder. This new level of hardness places even greater demands on the tools. These include a long service life and excellent substance removal, to name but two of the new requirements really good tools have to meet these days. The yellow and green DCB abrasives were specially developed for all-ceramic restorations. After constant optimization over the years, these instruments are now perfectly adapted to the special demands of these materials. Thanks to a high-strength ceramic bond, they have stable edges and are resistant to fracture.

Tailor-made for all-ceramic restorations, the instruments are provided with a special bond containing an particularly high proportion of diamond grains. This guarantees a 100 % cutting performance and a consistently high sharpness from the first to the last work step. No more annoying clogging of the working part with grinding dust and chips!

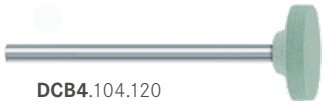
In short, the DCB abrasives are durable, high-performance helpers in the dental laboratory.



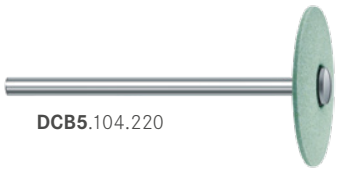


**Medium diamond grit:**

**DCB2**.104.065



**DCB4**.104.120



**DCB5**.104.220

**Coarse diamond grit:**

**DCB1CA**.104.025

**DCB3CA**.104.040

**DCB9CA**.104.050

Other shapes and sizes in our lab ordering guide

**Instructions for use:**

- Recommended speed
  opt. 12,000 rpm
- Work without pressure.
- Use abrasives across the entire surface area, avoid working on selective points.

**Tip:**
During work, the site can be cooled with a wet sponge.

Thanks to the exceptional hardness and great stability of the instrument edges, DCB abrasives can also be used on hard non-precious metal alloys, for example CoCr (“model cast”).

# Our $ZrO_2$ specialists.

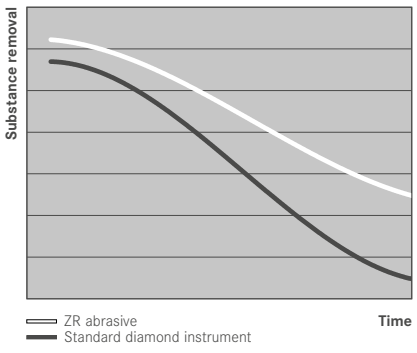
## Tools for efficient rework with the lab turbine.

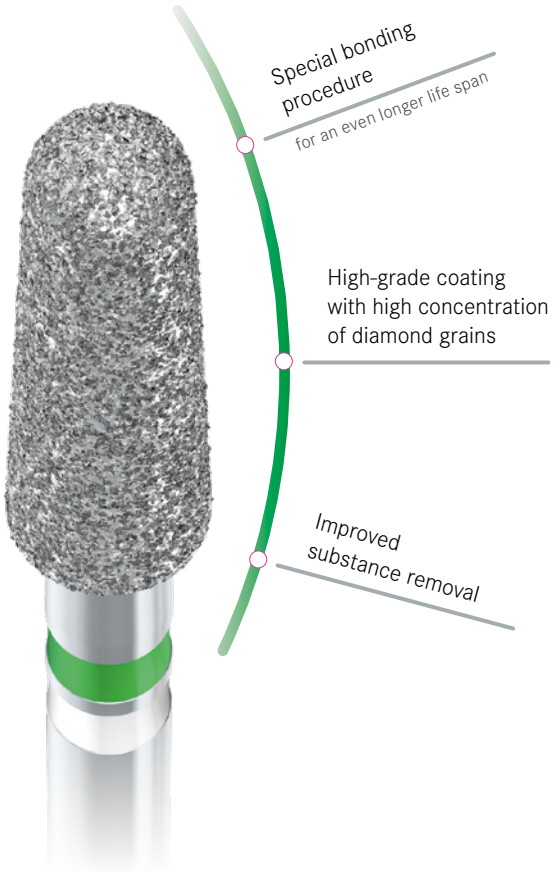
Work on all-ceramic restorations counts among the most challenging jobs at the laboratory.

Komet offers a comprehensive range of tools for work on these materials, both for use in a dental turbine or hand-piece. The service life of traditional diamond instruments is too short to deal with the extraordinary hardness of these materials which leads to premature wear. Designed for use in the laboratory turbine, ZR abrasives were specially developed for work on all-ceramic restorations. They are distinguished by their superior substance removal and improved cutting efficiency compared to traditional diamond burs.

The instruments owe these outstanding properties to a special bonding procedure thanks to which the diamond grains are durably embedded in the instrument surface.

The different grit sizes can be recognized by a colored ring on the instrument shank.



**Fine diamond grit:**



●○ **ZR8801L**.314.010



●○ **ZR8850**.314.016



●○ **ZR8881**.314.016

**Medium diamond grit:**



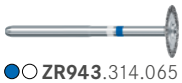
●○ **ZR850**.314.016



●○ **ZR379**.314.014



●○ **ZR863**.314.014



●○ **ZR943**.314.065

**Coarse diamond grit:**

●○ **ZR6856**.314.025

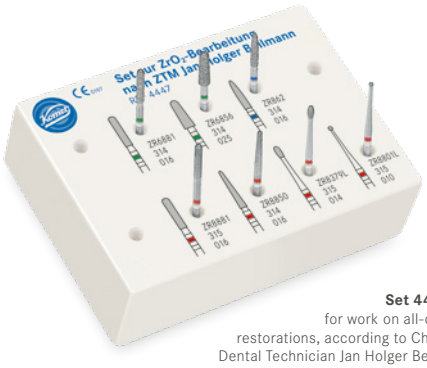
●○ **ZR6801**.314.023

●○ **ZR6881**.314.016

Other shapes and sizes in our lab ordering guide

**Instructions for use:**

- Recommended speed ↻opt. 160,000 rpm
- Intended for use in a laboratory turbine with water spray.
- Work with low contact pressure (< 2 N).



**Set 4447**.314
for work on all-ceramic restorations, according to Chartered Dental Technician Jan Holger Bellmann.

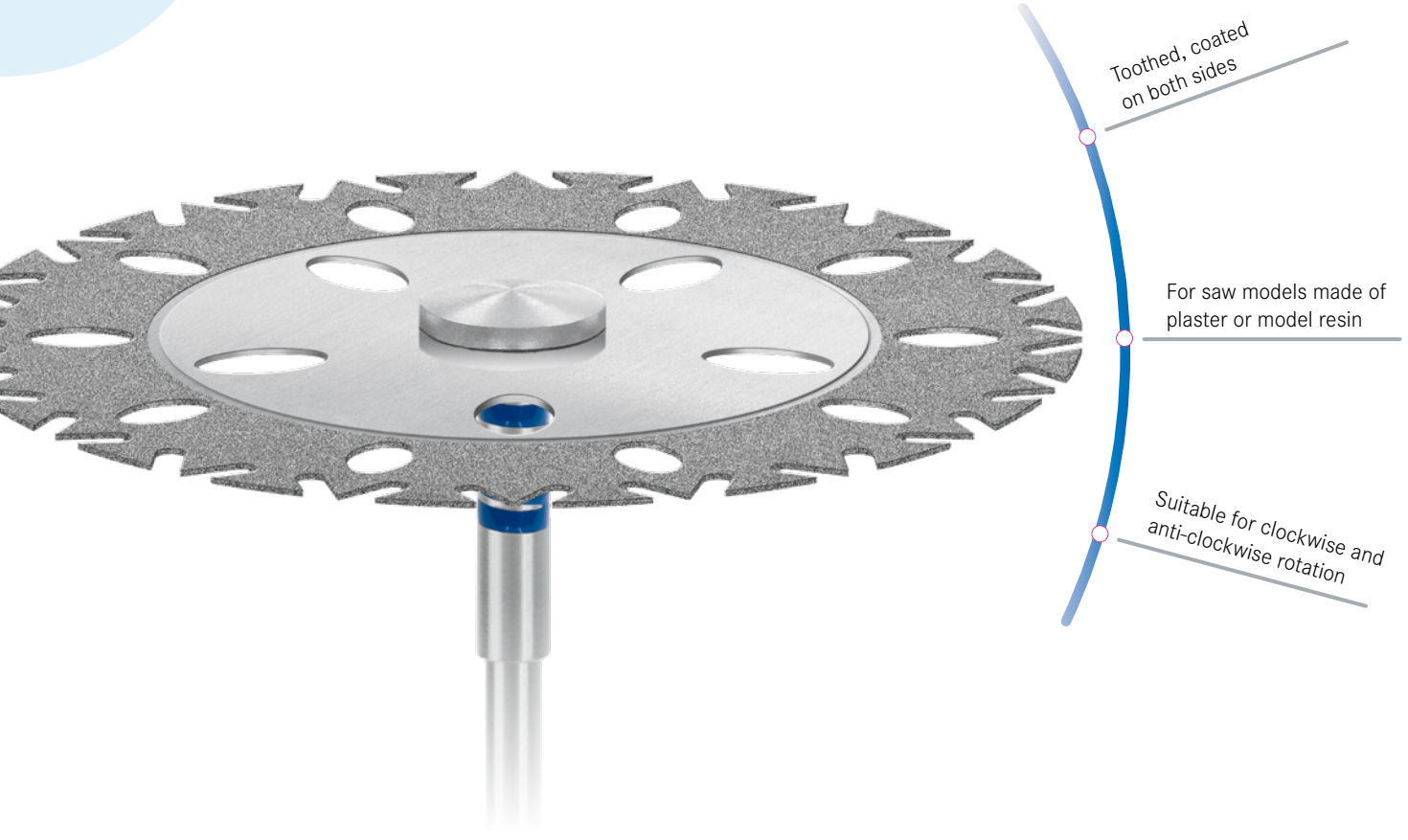
**ZR abrasives**
are also available for milling technology.

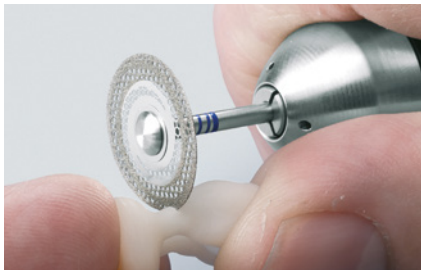
**Primary parts made of zirconium oxide**
can be polished to a high shine in record time with the 4-step ZR abrasives of identical shape. The instrument sets are available in 0°/1° and 2°.

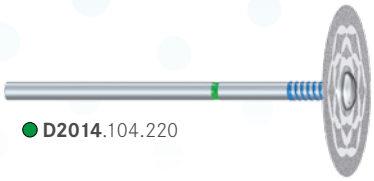
# Round, not square.

## Diamond discs for all indications.

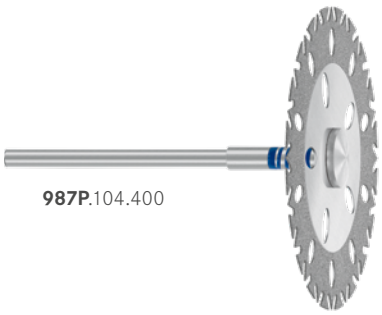
Every diamond disc reflects the know-how acquired during more than 95 years of experience in the production of rotary dental instruments. The indications of these discs are manifold: segmenting of plaster models, contouring of ceramic or composite veneers or simply separating. Our comprehensive and varied selection of diamond discs offers the perfect tool for almost any requirement and indication, thus enabling you to professionally meet all the daily challenges at the laboratory. The cutting efficiency of each disc is second to none, and their precision is unsurpassed. Thanks to their long service life, diamond discs made by Komet ensure that you achieve maximum results every time.



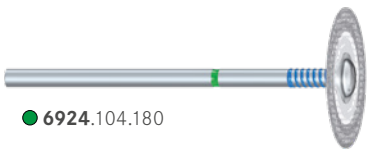




**D2014**.104.220



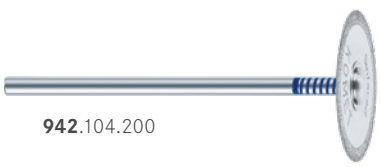
**987P**.104.400



**6924**.104.180

**K6974**.104.220

**946**.104.220



**942**.104.200

Other shapes and sizes in our lab ordering guide

**Product features:**

- Diamond discs ranging from hyper flexible to rigid.
- Different diamond grits and disc diameters.
- Galvanically coated or interspersed with diamond grit.
- Factory mounted for perfect concentricity and high safety.

Komet Dental
Gebr. Brasseler GmbH & Co. KG
Trophagener Weg 25 · 32657 Lemgo
Postfach 160 · 32631 Lemgo · Germany

Verkauf Deutschland:
Telefon +49 (0) 5261 701-700
Telefax +49 (0) 5261 701-289
info@kometdental.de
www.kometdental.de

Export:
Telefon +49 (0) 5261 701-0
Telefax +49 (0) 5261 701-329
export@kometdental.de
www.kometdental.de

Komet Austria Handelsagentur GmbH
Hellbrunner Straße 15
5020 Salzburg · Austria

Telefon +43 (0) 662 829-434
Telefax +43 (0) 662 829-435
info@kometdental.at
www.kometdental.at