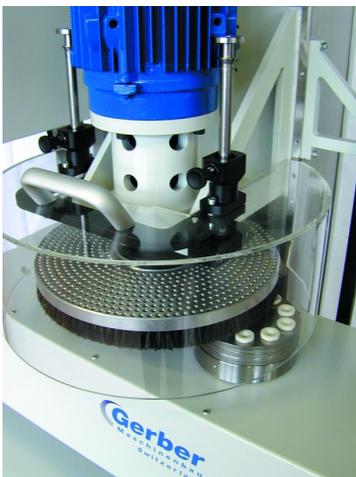
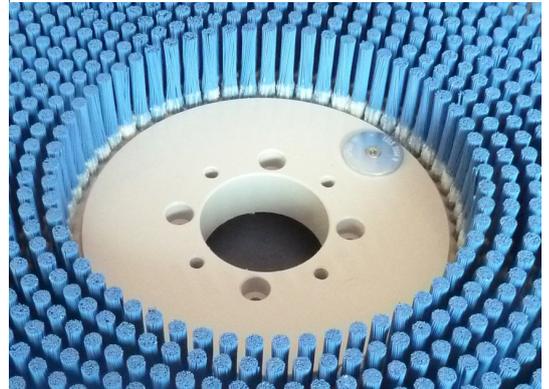


**There are many reasons:
 Cutting edge preparation with DIAMONDbrushes**

As the world's leading specialist in the area of micro-preparation of the cutting edges of cutting and punching tools, our formula for success is to be always on the technical cutting edge. The innovatively high-profile DIAMONDbrush **DIAFLEX**, the diamond filled natural material with plastic properties, opens the way to be even more efficient in the cutting edge preparation process.



The cutting edge preparation procedure:

1. To increase the service life of cutting elements such as indexable inserts, drills and milling cutters as well as punches, the cutting contour is prepared in a targeted manner
2. This achieves a 30% -500% improvement in service life / cutting performance

With this technology not only defined radii in the 0.01mm range are produced, but also the roughness of the cutting edge surface is improved by a factor of 3 and the surfaces are polished.

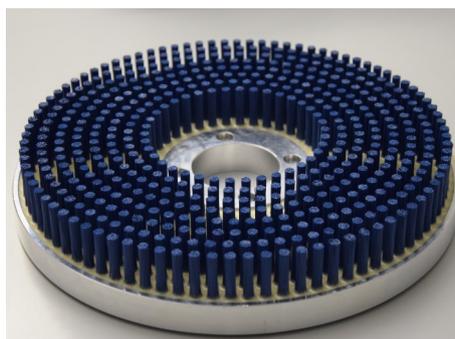
Thanks to the development of **DIAFLEX** brush technology, which is based on cellulose-derived natural material with the addition of diamond, it is possible to make the process of cutting edge preparation much more economical:

- **Thanks to the high diamond grain content in the brush, a significantly more efficient polishing performance**
- **Higher throughput**
- **Higher production capacity**

The homogeneous distribution of the diamond grains over the entire bristle and the high grain content give the brush a very high polishing performance.



Segment brush



Moulded brush



Brush hand drawn

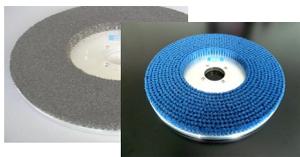
**Revolution of polishing and edge preparation -
 clean solution without the use of diamond paste**

Polishing

with diamond paste

*Polishing with diamond
 brush DIAFLEX*

Vitex
 Tampico



Horsehair
 Goat hair

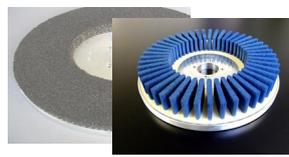


Edge preparation

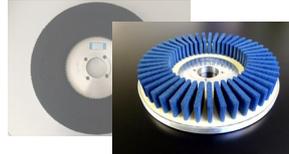
with diamond paste

*Edge preparation and
 polishing with diamond
 brush DIAFLEX*

Vitex



Horsehair

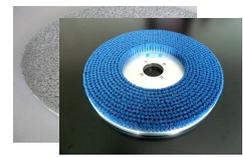


Fine-Deburring

with diamond paste

*Deburring and
 polishing with diamond
 brush DIAFLEX*

Vitex
 Tampico



**With the DIAMONDbrush DIAFLEX
 for more economy**

The advantages with DIAFLEX:

- ◆ **High process reliability**
 due to constant erosion performance of the diamond brushes
- ◆ **Clean process**
 Elimination of the use of polishing paste—oil cooling with
 cleaning filter affects the process positively (no residues on
 the parts, constant temperature profile)
- ◆ The noval brushes, interspersed with diamond,
 allow the **simple influence on the K-factor** (edge rounding)
- ◆ **Operator independent result**
- ◆ **Increase in efficiency**
- ◆ **Automatic**
 Tactile brush measurement leads to **high process reliability**



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