



Machining of titanium with a laboratory turbine | **Cutters**



Special tools for speedy work on titanium abutments with the turbine – free-hand or in the milling device.

Turbines for milling devices are constantly growing in popularity. Nearly every laboratory that works with zirconium oxide has one. Once it's there, the technician might as well use the advantages of the turbine for a range of other applications.

Laboratory turbines can for example be used in implant technology. Up to now, work on large abutments or corrections on anatomically prefabricated or cast titanium abutments used to be tiring and time-consuming. In response to this, KOMET has developed these special cutters for the laboratory turbine in collaboration with the certified dental technician Jan-Holger Bellmann. These new instruments make quick shaping of large titanium abutments seem like child's play. All prefabricated and cast abutments can be shaped to individual requirements and anatomically corrected in no time at all.

Advantages:

- Gain of time: When working with a turbine and suitable instruments, much greater speeds can be applied than with ordinary cutters in the milling device. This results in more efficient substance removal in less time.
- Water cooling prevents excessive generation of heat and consequential changes to the surface structure. It also lessens the risk of the operator burning himself on the work piece.
- Greater flexibility: A reduced instrument range can be used which can be expanded to individual requirements without problems.

Product description

- Titanium cutters for the laboratory turbine come in the standard cone angles of 0°, 2° and 4° with rounded tip.
- Each version is available with a very sharp, coarse toothing with crosscut and with a fine toothing for trimming.
- The well thought-out, clearly arranged starter kit TD2041 contains all six instruments.

Application:

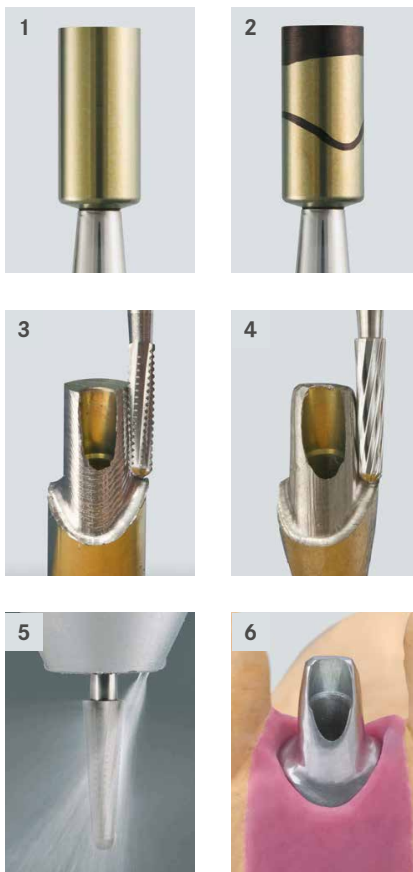
1. and 2. According to the desired shape of the pre-fabricated abutment, a certain amount of substance has to be removed

3. With the help of an instrument with coarse Q toothing, the marked areas are removed free-hand and in the milling device with a turbine.

4. The resulting surface can then be smoothed in very little time with a matching cutter with F toothing

5. The turbine has to be cooled with water to avoid excessive heat generation

6. The finished abutment placed on the model.



Recommendations for use:

- Designed for use in the laboratory turbine with water cooling

Introduction kit TD 2041:

-  ● **H3730**.314.021 (0°)
-  ● **H373F**.314.021 (0°)
-  ● **H3710**.314.025 (2°)
-  ● **H371F**.314.025 (2°)
-  ● **H3760**.314.025 (4°)
-  ● **H376F**.314.025 (4°)

