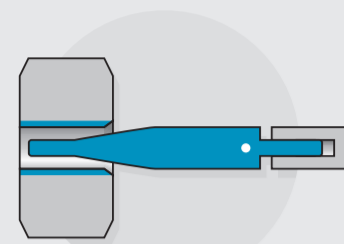


Micro Bore Sizing (MBS)

Micro Bore Sizing is a customer friendly method for the precise and easy processing of smallest bores consisting of:



Micro Bore Sizing

Machines



Tools



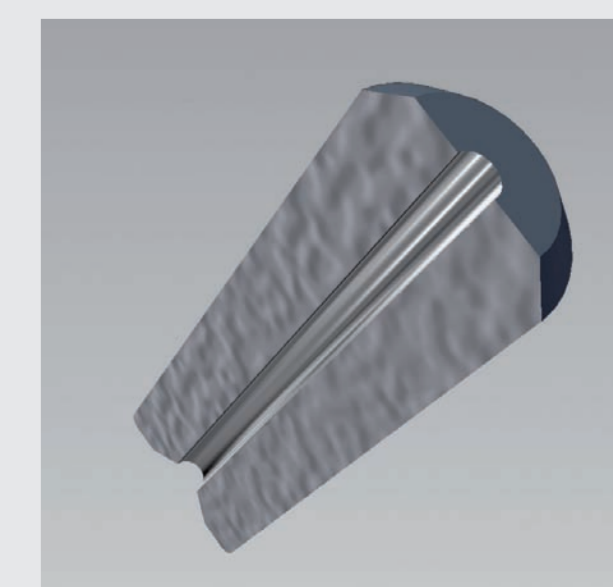
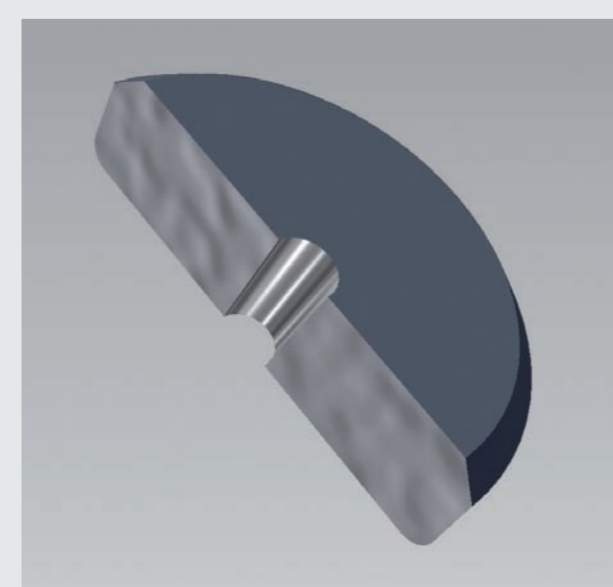
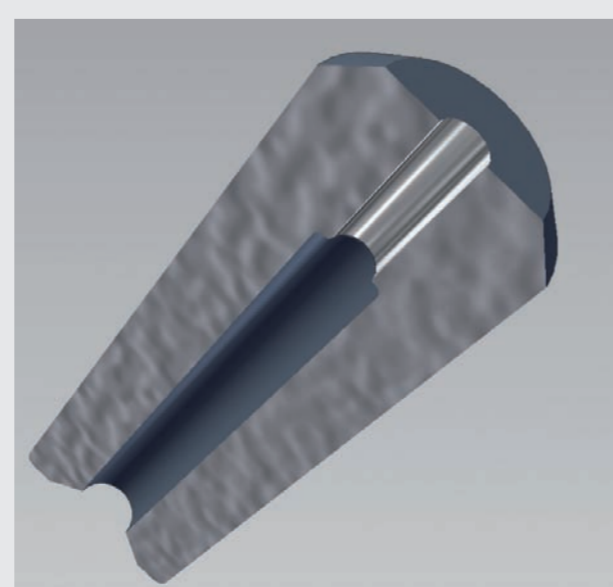
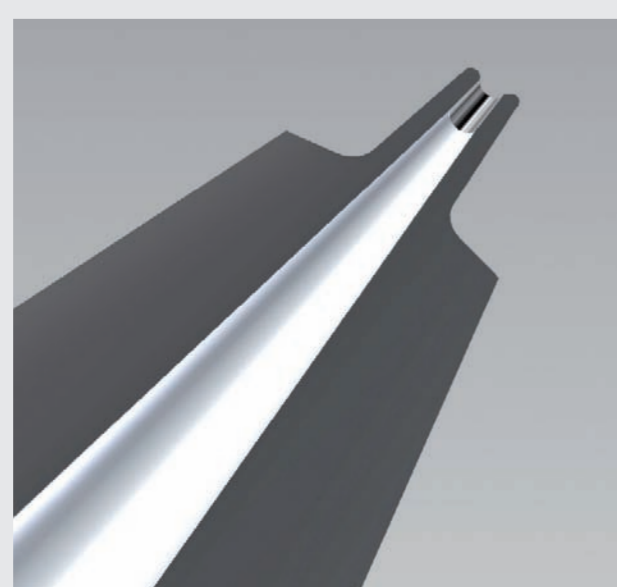
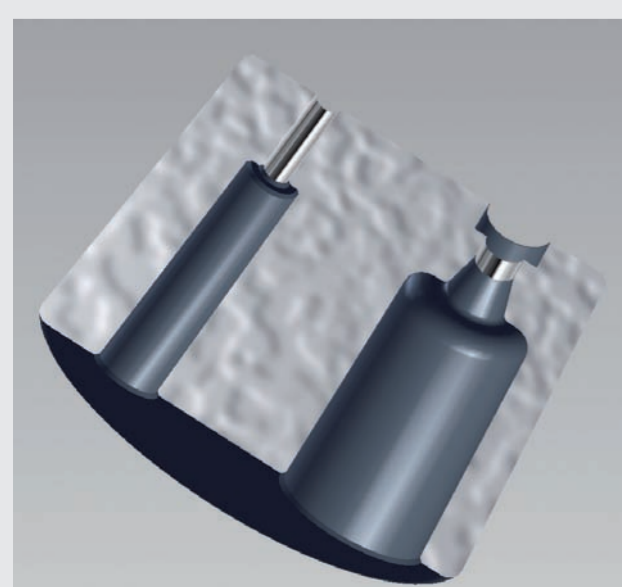
Services

- ▶ Consulting
- ▶ Customer trials
- ▶ Process development
- ▶ Job order production
- ▶ Service

The MBS machining technology

The machining with the Micro Bore Sizing corresponds, depending upon used process on the machine, either to honing or interior round lapping process. The specific tools as well as the machine permit to bring the geometry of a bore, in a simple manner to the operator, into close tolerance fields. Additionally a deburring station can be implemented into the machining process.

Typical work piece geometries



Characteristics and tolerances

- Ø Diameter > **0.015 mm**
- Ø Diameter tolerance **minimum 0.5 µm**
- Roundness < **0.2 µm**
- ✓ Surface roughness Rz < **0.2 µm**
- /∅ Cylindricity < **0.4 µm**
- // Parallelism < **0.5 µm**

Machinable materials

Ceramic, tungsten carbide, steel, PCD, sapphire, Nitinol, glass etc.

