

GDI – Valve Seat Grinding

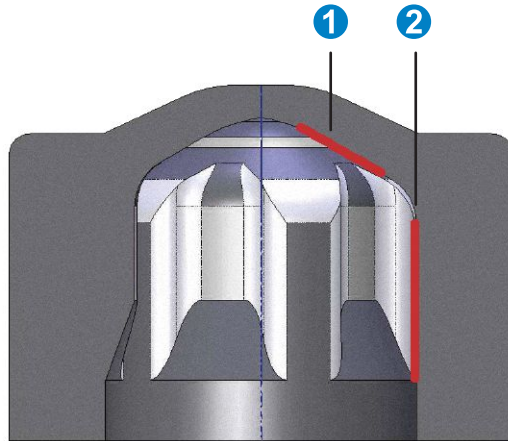
QUBE

Original scale

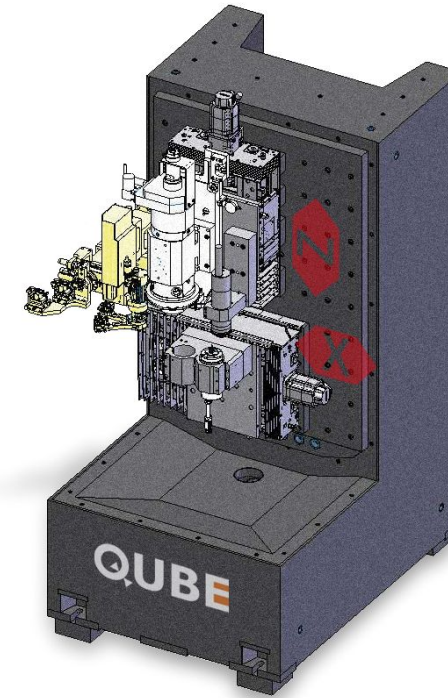


GDI – Valve Seat Grinding

QUBE



Grinding operations: 1 – seat, 2 – bore



Floor-saving QUBE machine layout

Specifications & Features

- Vertical Grinder
- Hydrostatic axis with servo motor drive
- Hydrostatic work head (up to 6,000 rpm)
- ID grinding spindles 90,000-120,000 rpm
- High speed loading system integrated in the machine
- Special developed external automation system (BAHMÜLLER-made)
- Siemens 840D SL PO08T
- Integrated Multifunction Touch Screen for Measurement systems, Acoustic Emission Control, Pre- or Post-measuring value
- Optimized Cycle Time using special designed and developed tool and process specifications (e.g. special grinding arbour material and geometry, coolant through the grinding wheel)
- Simultaneous Engineering and sample production in the BAHMÜLLER TEC-Center
- **Technology Partner**
Grinding oil – ML Lubrication

Quality Characteristics

① Grinding Seat

Surface R_z	< 0.6	μm
Roundness Seat	< 0.15	μm
Straightness Seat	< 0.3	μm
Distance Seat to Sac	< 5	μm

