



## **Crankshaft production**



**GST - GRINDING MADE FOR YOU**

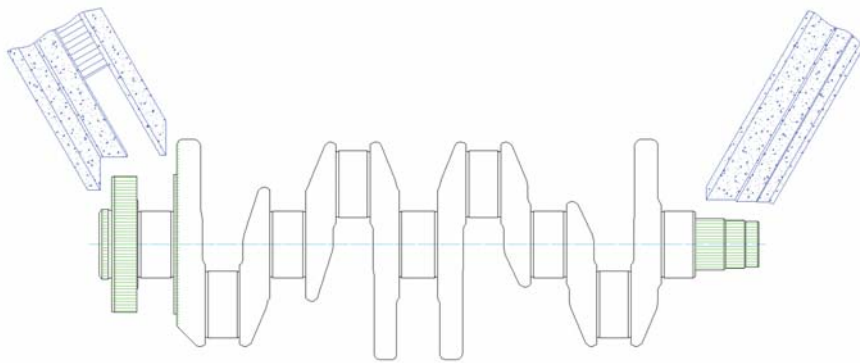
*Certified according to*

**ISO 9001**

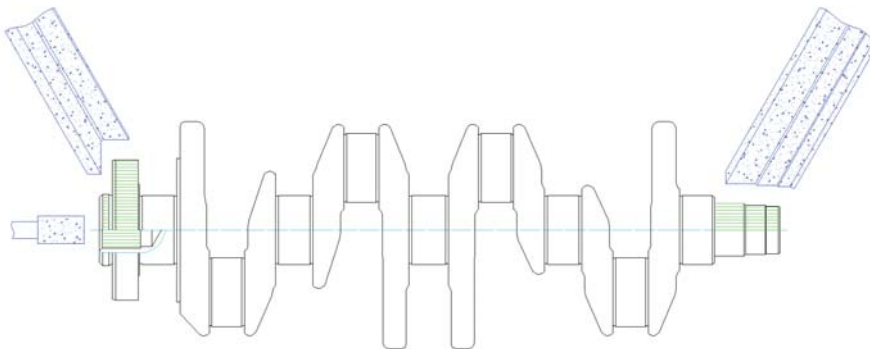


### Double-Spindle Angular Infeed Grinder

- Flange and journal
- Flange, journal and encoder wheel seat
- Flange, journal and bore
- Flange, journal and balance shaft seat
- Grinding in just one clamping position, using CBN grinding wheels



Designed for a production output of up to 1.200 parts/day in three-shift operation



Legend:



Corundum grinding wheel



CBN grinding wheel



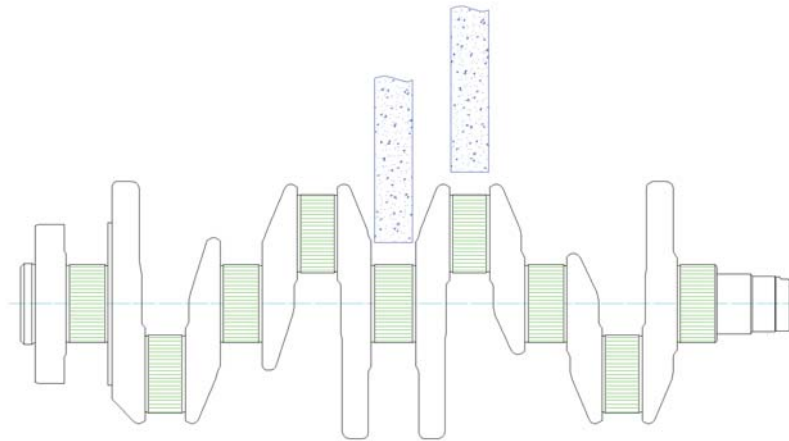
## Key features

- Cross slide configuration
- Full CNC control of all axes
- CNC wheel dresser
- Automatic in-process gauging, incl. roundness compensation
- Stable spindle with hydrostatic bearings for grinding wheel diameters of max. 600 mm
- Infeed slide with hydrostatic guides and high-precision linear motor technology
- Workpiece center driver with speed control
- Self-centering steady rests
- Additional cross slide with internal grinding spindle for the simultaneous grinding of the flange bore (Optional)
- Coolant: Oil or emulsion
- High energy efficiency owing to the compact machine design
- Very short tooling times due to wheel handling equipment and automated set-up



### Double-Spindle Orbital Grinder

- Rough and finish grinding of crankshaft main and pin bearings
- Grinding in just one clamping position, using CBN grinding wheels



Designed for a production output of up to 500 parts/day in three-shift operation

### Key features

- Double cross-slide configuration
- Full CNC control of all axes
- CNC wheel dresser
- Automatic roundness compensation
- Automatic in-process gauging
- Stable spindle with hydrostatic bearings for grinding wheel diameters of max. 600 mm
- Infeed slide with hydrostatic guides and high-precision linear motor technology
- Self-centering steady rests
- Coolant: Oil or emulsion
- High energy efficiency owing to the compact machine design
- Very short tooling times due to wheel handling equipment and automated set-up



Legend:



Corundum grinding wheel



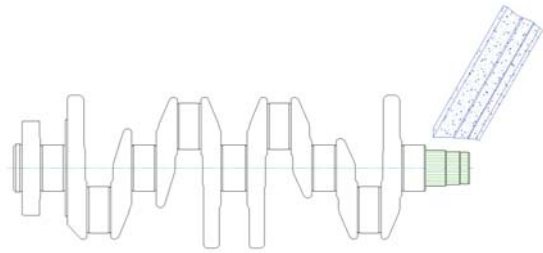
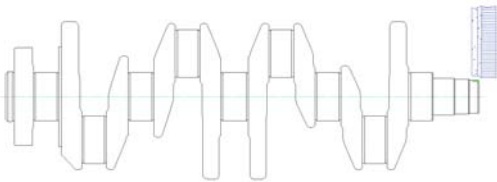
CBN grinding wheel

## Single Jet Profile CBN



### Single-Spindle Straight or Angular Infeed Grinder

- Flange
- Journal
- Encoder wheel seat
- Toothed ring seat
- Polygone
- Flats
- Grinding with CBN wheels



Designed for a production output of up to 1.200 parts/day in three-shift operation

### Key features

- Cross slide configuration
- Full CNC control of all axes
- CNC wheel dresser
- High-precision linear motor technology
- Automatic in-process gauging, incl. roundness compensation
- Stable spindle with hydrostatic bearings for grinding wheel diameters of max. 600 mm
- Infeed slide with hydrostatic guides
- Additional cross slide with internal grinding spindle for the simultaneous grinding of the flange bore (Optional)
- Coolant: Oil or emulsion
- High energy efficiency owing to the compact machine design
- Very short tooling times due to wheel handling equipment and automated set-up



Legend:



Corundum grinding wheel



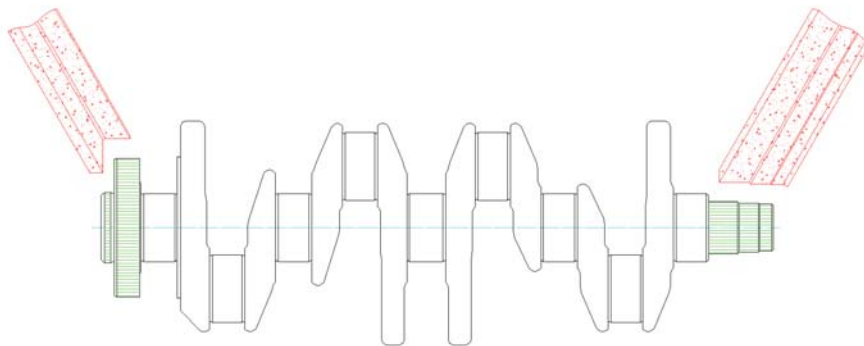
CBN grinding wheel





### Double-Spindle Angular Infeed Grinder

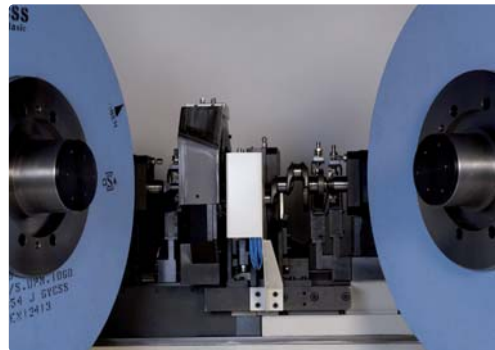
- Flange and journal
- Flange, journal and encoder wheel seat
- Flange, journal and toothed ring seat
- Grinding in just one clamping position, using corundum grinding wheels



Designed for a production output of up to 1000 parts/day in three-shift operation

### Key features

- Full CNC control of all axes
- 3-axis CNC wheel dresser
- High-precision linear motor technology
- Automatic in-process gauging
- Stable spindle with roller bearings for grinding wheel diameters of max. 900 mm
- Infeed slide with circulating roller guides
- Workpiece center driver with speed control
- Self-centering steady rests
- Coolant: Oil or emulsion
- High energy efficiency owing to the compact machine design
- Very short tooling times due to wheel handling equipment and automated set-up



Legend:



Corundum grinding wheel



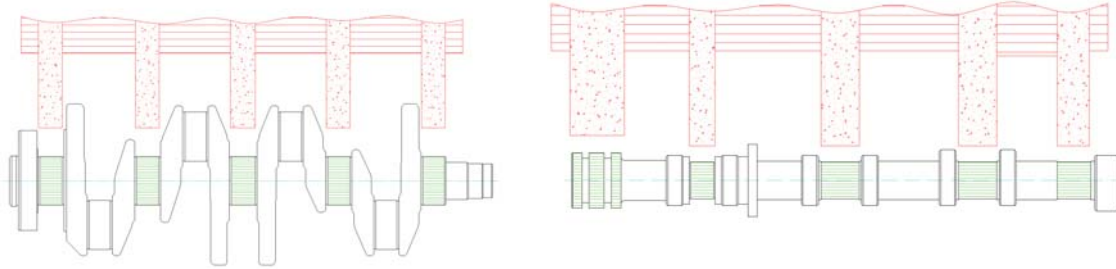
CBN grinding wheel

## Multi-wheel C



### Single-Spindle Multi-Wheel Grinder

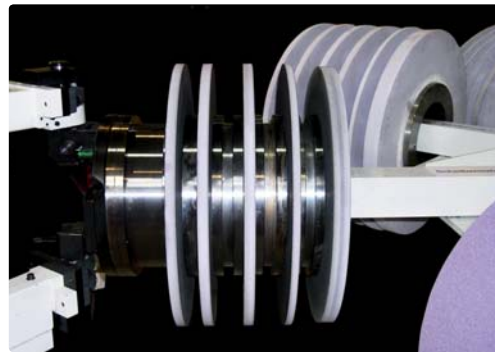
- Flange-mounted grinding wheel sets
- All main bearings of crankshafts and cam shafts
- Grinding in just one clamping position, using corundum grinding wheel sets



Designed for a production output of up to 1.200 parts/day in three-shift operation

### Key features

- Full CNC control of all axes
- 2-axis CNC wheel dresser
- High-precision linear motor technology
- Automatic in-process gauging
- Stable spindle with roller bearings for grinding wheels of a max. dia. of 750 mm and a max. width of 500 mm, flange-mounted corundum wheels
- Infeed slide with circulating roller guides
- Coolant: Oil or emulsion
- High energy efficiency owing to the compact machine design
- Very short tooling times due to wheel handling devices, automated set-up and the automatic displacement of the table-mounted equipment.



Legend:



Corundum grinding wheel



CBN grinding wheel







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