



# Transmission shaft production



**GST - GRINDING MADE FOR YOU**

*Certified according to*

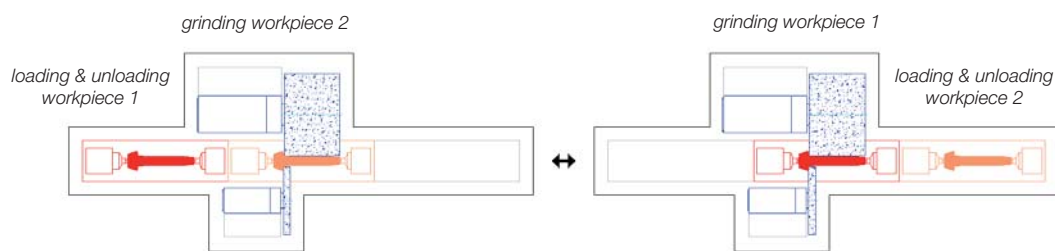
**ISO 9001**

## Complete C/CBN Double Cycle



### Double-Spindle Grinder

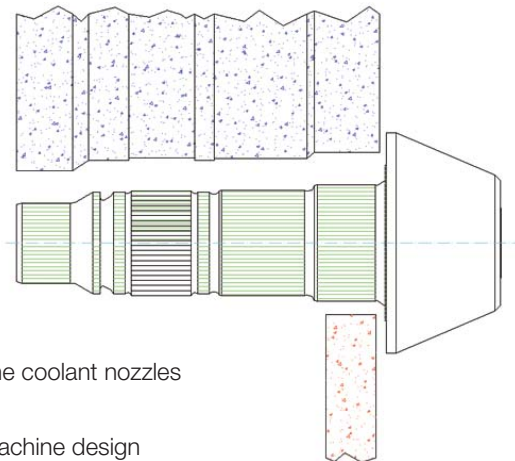
- Grinding of drive shafts and input shafts
- Diameters, plane surfaces and grooves in just one clamping position
- Using corundum grinding wheels (for diameters) and CBN wheels (for plane surfaces and grooves)



- Maximum productivity and quality – **no non-productive times**
- The complete grinding process is carried out in just one clamping position
- Designed for a production output of up to **1.600 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 cylindricity compensation
- Automatic in-process gauging
- Stable spindle with roller bearings for grinding wheel sets of max. wheel dia. 750 mm and max. width 500 mm
- Infeed slide with circulating roller guides
- Automatic adjustment of the guard hood and the coolant nozzles
- 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
- Stand-alone solution with GST loader and workpiece magazine, or
- Integration with existing production facilities



Legend:



Corundum grinding wheel



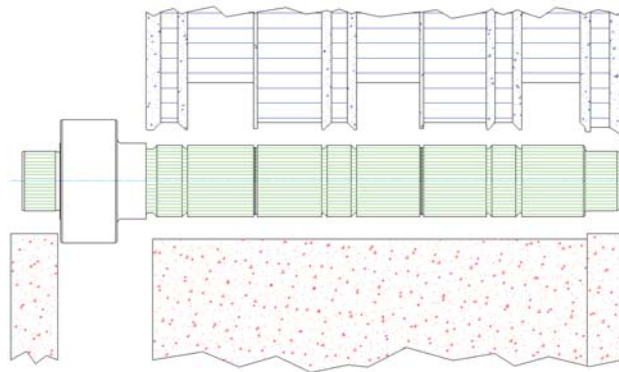
CBN grinding wheel





### Double-Spindle Grinder

- Grinding of drive shafts and input shafts
- Diameters, plane surfaces and grooves in just one clamping position
- Using corundum grinding wheels (for diameters) and CBN wheels (for plane surfaces and grooves)



- The complete grinding process is carried out in just one clamping position
- Designed for a production output of up to 1.200 parts/day in three-shift operation

### Key features

- Full CNC control of all axes
- CNC wheel dresser
- Automatic cylindricity compensation
- Automatic in-process gauging
- Stable spindle with roller bearings for grinding wheel sets of max. wheel dia. 900 mm and max. width 500 mm
- Infeed slide with circulating roller guides
- Automatic adjustment of the guard hood and the coolant nozzles
- 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
- Stand-alone solution with GST loader and workpiece magazine, or
- Integration with existing production facilities



Legend:



Corundum grinding wheel

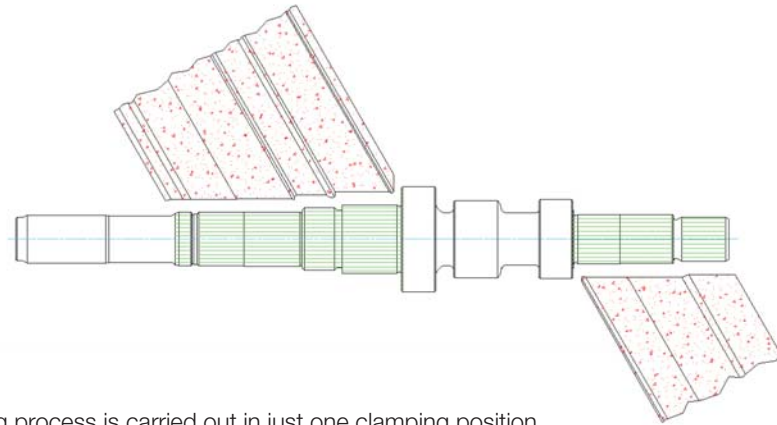


CBN grinding wheel



### Double-Spindle Grinder

- Grinding of drive shafts and input shafts
- Diameters, plane surfaces and grooves in just one clamping position
- Using corundum grinding wheels



- The complete grinding process is carried out in just one clamping position
- Designed for a production output of up to 1.200 parts/day in three-shift operation

### Key features

- Full CNC control of all axes
- 3-axis CNC wheel dresser
- Automatic cylindricity compensation via the dresser
- Automatic in-process gauging
- Stable spindle with roller bearings for grinding wheel sets of max. dia. 900 mm and max. width of 300 mm
- Infeed slide with circulating roller guides
- Automatic adjustment of the guard hood and the coolant nozzles
- 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
- Stand-alone solution with GST loader and workpiece magazine, or
- Integration with existing production facilities

Legend:



Corundum grinding wheel

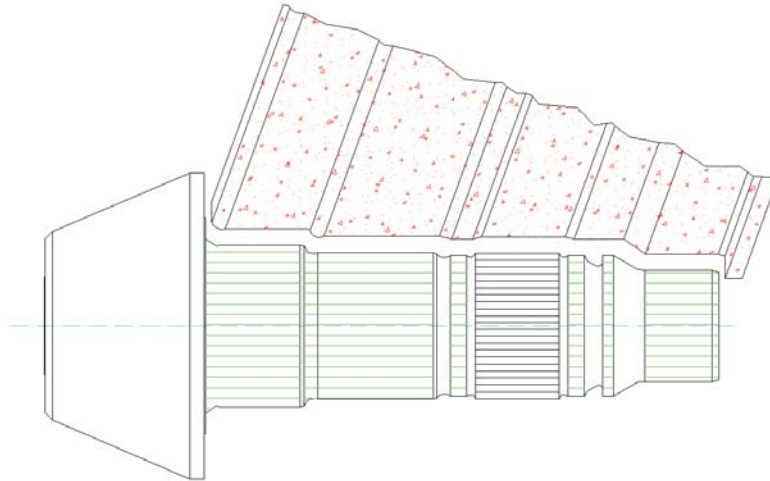


CBN grinding wheel



### Single-Spindle Straight or Angular Plunge Grinder

- Grinding of drive shafts, input shafts, pinion shafts and flanged shafts
- Diameters and plane surfaces by straight or angular plunge grinding
- Using a corundum grinding wheel



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

### Key features

- Full CNC control of all axes
- CNC wheel dresser
- Automatic cylindricity compensation
- Automatic in-process gauging
- Stable spindle with roller bearings for grinding wheel sets of max. wheel dia. of 900 mm and max. width of 500 mm
- Infeed slide with circulating roller guides
- Automatic adjustment of the guard hood and the coolant nozzles
- 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
- Stand-alone solution with GST loader and workpiece magazine, or
- Integration with existing production facilities



Legend:



Corundum grinding wheel



CBN grinding wheel



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