

JUCENTRIC 500

CENTER-TYPE CYLINDRICAL GRINDING



PERFECTLY SUPPORTED

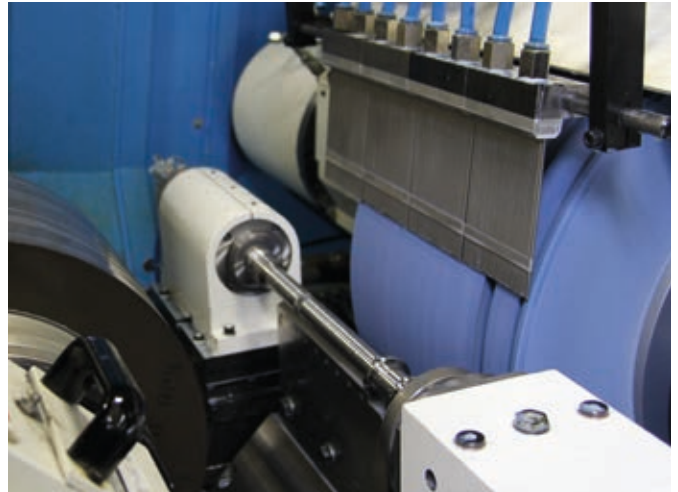
GRINDING WITHOUT DEFLECTION

The JUCENTRIC 500 is characterized by extremely short cycle times and outstanding accuracy. The clamping set-up between centers retains the relation to the centerline when grinding shafts and pipes. At the same time, the support rail and regulating wheel guarantee perfect support.

GRINDING PROCESS

The workpiece is positioned and clamped between centers. Grinding is carried out while clamped; the CNC-controlled support rail, the regulating wheel and the grinding wheel are evenly readjusted until the finished dimension is reached. This unique, ingenious procedure is currently patent pending.

Driving is carried out via a driver on the C-axis of the workhead. Upon the completion of grinding, the grinding gap opens and the workpiece is removed.



HIGHLIGHTS

- **Relation to centerline** with clamping set-up between centers
- **High dimensional accuracy** thanks to support by regulating wheel and support rail with patented CNC height adjustment
- **Shortest cycle times** through simultaneous grinding of all diameters
- **Minimized undulations** with grinding wheel balancing on two planes
- **Extremely low running noise** due to grinding spindle with direct drive

TECHNICAL DATA

Workpiece diameter	15 – 60 mm
Workpiece length	280 – 500 mm
Corundum grinding wheel (63 m/sec)	610 x 500 x 305 mm
CBN grinding wheel (120 m/sec)	500 x 500 x 305 mm
Spindle drive	55 kW
Regulating wheel dimensions	350 x 500 x 203 mm
Spindle drive regulating wheel	11,5 kW
W x D x H mm (without peripherals)	4.465 x 2.770 x 2.340
Weight	18.000 kg

