



# GEORG ultragrind

Roll grinding machines



mit uns **technisch überlegen**

**machine tool** division

Roll grinding machines





## Options

- > Steady rests in modular design
  - > U1 axis for automatic roll alignment
  - > Lower part with universal clamping area
  - > Top parts with several options
  - > Softloader
  - > Chock support
- > Counterstay with hydraulically adjustable quill
- > Chock turning device with turning by 90° into grinding position (overall 180°)
- > Grinding wheel holder with quick change device
- > Filtering systems
- > Starting drive for high roll weights



## GEORG ultragrind

### Application

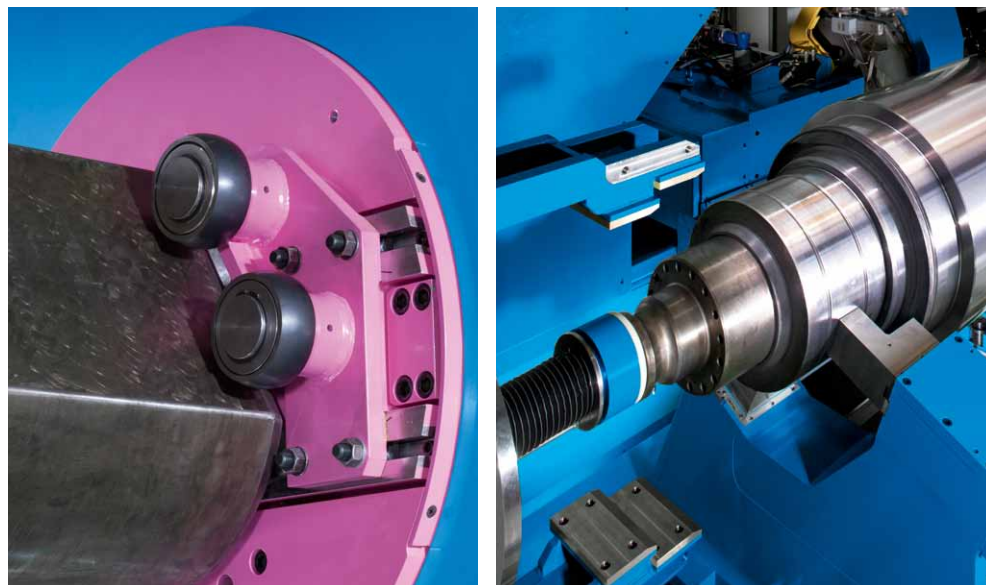
- > For steel, aluminium and other non-ferrous metals
- > For grinding of back-up and work rolls in, with or without chocks

### Features

- > Wide dimensioned machine beds with three guideways
- > Good accessibility to the workpiece due to longitudinal adjustable headstock
- > Grinding of any desired contour in fully automatic mode
- > Integrated LISMAR roll inspection system
- > Tailored to customer's requirements
- > Headstock with stationary main axis
- > Hydraulic headstock adjustment on a separate machine bed

### Technical data

workpiece weight [to]	5 – 300
workpiece diameter [mm]	400 – 2,500
workpiece length [mm]	max. 15,000
grinding power [kW]	60 – 180



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## Roll measuring systems

- > Two-point or three-point measuring system
- > Measuring arm made of carbon fiber
- > Third measuring arm for measuring the horizontal roll position
- > Mounted at a separate column on the carriage base
- > Measurement of roll diameter, stock removal, cylindricity and run-out
- > Measurement during grinding operation
- > Small installation space, large working area
- > Low risk of collision during loading operation
- > Measuring of roughness, surface and hardness



GEORG LISMAR

GRINDING TECHNOLOGY



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