

HIGH PRECISION GRINDING MACHINES

METAV 2012

28. February - 3. March, Düsseldorf
Hall 16, booth C50



UNIVERSAL-CYLINDRICAL
GRINDING MACHINES

INTERNAL- AND RADII
GRINDING MACHINES

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CENTERLESS
GRINDING MACHINES

DANOBEATGROUP

Universal cylindrical grinding machine

HG-62-2000-B8

- Optimal grinding solution for applications in the aerospace, gear box transmissions, wind turbine power generation, printing, maritime and electric motor sectors.
- For medium and large sized parts.
- Versatile and fully universal.
- Wide range of wheelhead configurations.
- Danobat patented MDM - Absolute multi-diameter measuring unit.



Technical datas		
Distance between centers (max)	mm	2000
Diameter do be ground (max)	mm	440
Weight between centers (max)	kg	500
Grinding wheel diameter (max)	mm	760

Internal and radii grinding machine

IRD-400

- Prepared for internal, external, radius, face and unround grinding, suitable for single part manufacturing and high production.
- Designed for the grinding of unround discs, forming tools, hydraulic components, general precision parts, bearings, etc.
- 3 HF-Internal grinding spindles, motorspindles for external grinding, linear motors.
- C-axis for high efficient non-round and thread grinding.
- Derivative Overbeck grinding software + 3D Simulation software.



Technical datas		
Internal grinding diameter (max)	mm	200
"B"-axis swiveling range	°	+95 / -15
Workpiece swiveling diameter (max)	mm	400
Workpiece weight (max)	kg	70 / 170

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**GrindTec
2012**

14. - 17. March, Augsburg
Hall 5, booth 5261



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External grinding machine

LG-600-B8

- Ideal for high precision parts for the hydraulic industry, transmission components, cutting tools, etc.
- Natural granite bed with linear motor technology and direct drives.
- Flexibility, combining conventional grinding cycles and high speed contour grinding.

Technical Datas		
Grinding length (max)	mm	600
Weight between centers (max)	kg	80
Diameter to be ground (max)	mm	300
Grinding wheel diameter (max)	mm	500



Internal- and radius grinding machine

IRD-200

- High precision grinding machine with swiveling workhead in compact design. CNC controlled motor and the 3-axis interpolation software SIEMENS 840D SL with linear motor technology allow the grinding of different radii without manual resetting of the pivot points.
- "TOUCH and GO" for easy set up from part to part.
- Designed and developed for grinding of ID-, OD- and faces grinding, ideal for manufacturing of dies and mandrels.
- The machine can be equipped with:
 - 2-spindle turret with integrated touch probe.
 - Overbeck non-round software and 2D / 3D simulation software.

Technical Datas		
Grindable bore diameter (max)	mm	100
Workpiece swiveling diameter (max)	mm	200
B-axis swiveling range	°	+95 / -15
Spindle turret, amount of spindles		2

