



**DANOBAT
OVERBECK**

INTERNAL, EXTERNAL AND RADIUS GRINDING

IRD

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High precision grinding machines IRD with integrated rotary axis in the workhead base.

The CNC controlled motor and the 3 axis interpolation software allow the grinding of different radii without manual resetting of the pivot points. Spindle turret for higher versatility with up to 4 spindles.

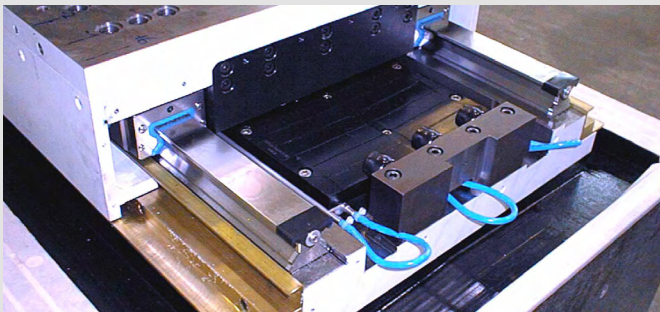
Machine for internal, external, radius, face tangencial and unround grinding. Solution designed for the machining of forming and cutting tools.



IRD TECHNICAL DESCRIPTION

TECHNICAL CHARACTERISTICS (*)		IRD-200	IRD-400
Internal Grinding Diameter	mm	100	200
Swivelling range B axis	°	+95/-15	+95/-15
Workpiece length incl. clamping system	mm	200	400
Work swing	mm	200	360
Workpiece weight incl. clamping system	kg	30	70/170
X and Z axis stroke	mm	400/200	425/475

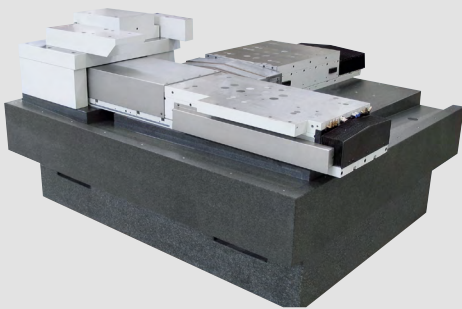
(*) Based on customers requirements, other machine capacities & configurations could be taken into account.



Linear & Digital Technology

The finest technologies result in the most accurate machines. Precise, fast movements ensure the highest productivity and quality.

Maintenance free rotary axes using torque motors.



Rigidity, stability and precision

- Natural granite bed for a perfect stability.
- Electrospindles carefully assembled in a CLEAN ROOM in-house.



Ergonomics, modularity and aesthetics

- Updating of the design to the customer's needs.
- End-users security, accessibility and operability.

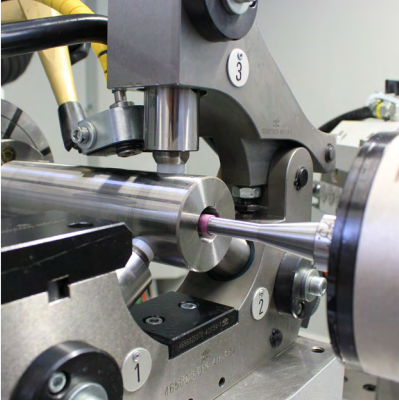


Software

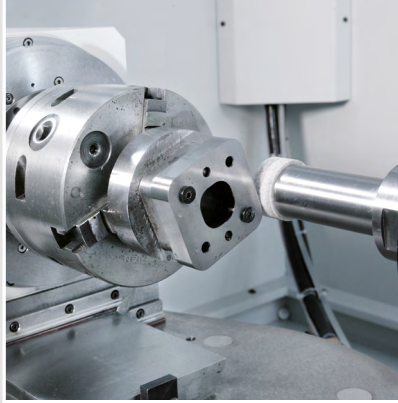
User friendly, powerful software for easy grinding cycle programming, form generation and production control.

IRD APPLICATION

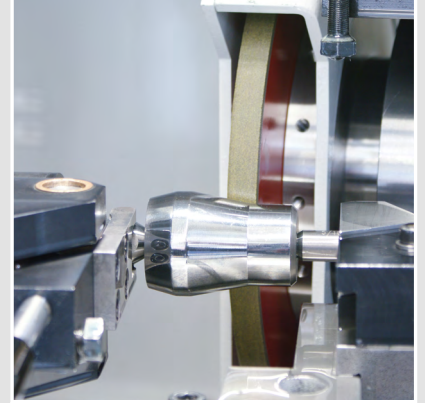
SPINDLE SHAFT



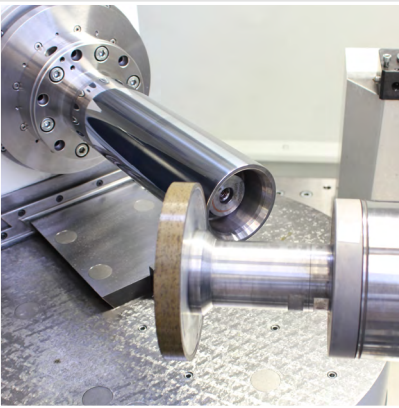
PUNCH



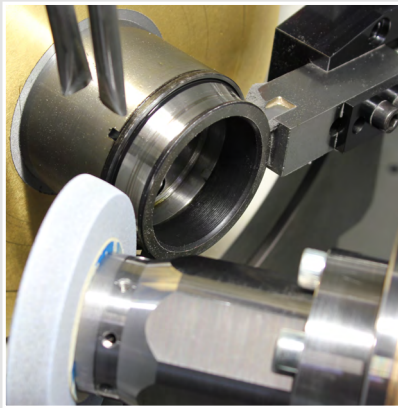
MANDREL



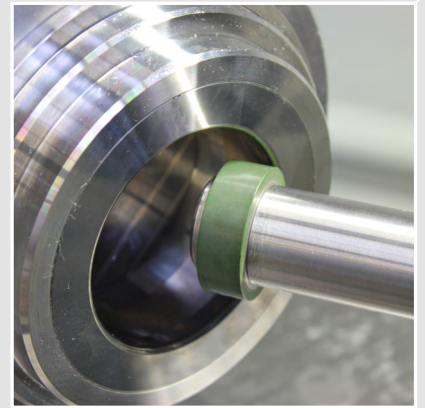
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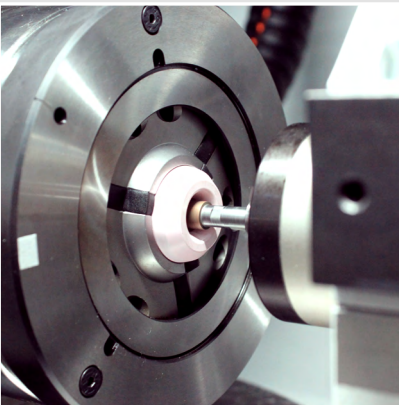
BEARING



DIE



HIP JOINT



BALL VALVE

