MPS 2 R300 DCHP

Grinding Machines

„High Precision“ grinding machine with rotary table

Genauigkeits Maschinenbau Nürnberg GmbH

G&N

Application

This machine was especially designed for match grinding of ball bearing and locating discs, if tolerances of ≤1 µm are required. An In-prozess measuring unit which G&N designed together with the OEM guarantees an unbeatable repeating accuracy. This ensures total process security also with batch grinding.

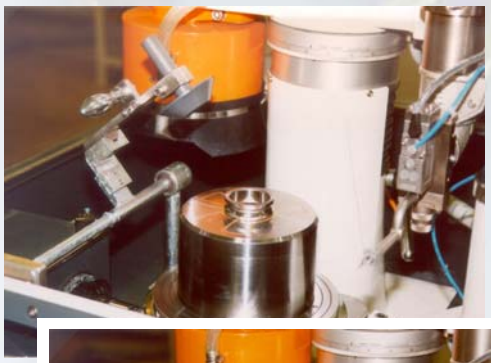
Technical data

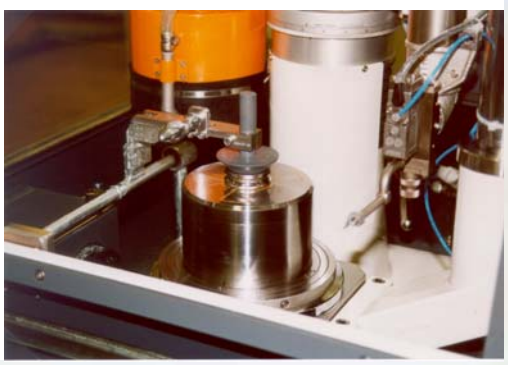
Flatness	≤0,001 mm
Thickness variation	≤0,001 mm
Spindle speed	2650 min^{-1}
Dimensions of the cup grinding wheel	ø175x100xø76 mm
Fine downfeed	12 mm
Motor	3,2 kW
Rotary table-ø	160 - 200 mm
Rotary table plane accuracy	0,001 mm
Rotary table speed	0-30 min^{-1}
Weight	780 kg

Conditions for best grinding results

- Do not place the machine near vibration generating systems such as hammers, presses etc..
- The foundation must be plane, rigid and shock-free.
- The machine must be accurately adjusted in all directions with the aid of the vibration pads. Use a spirit level to adjust the machine exactly.
- The temperature of the spindle coolant water should not deviate more than ±1°C from room temperature! The water must be filtered by 40 µm.
- The pressurized air must be completely free of oil residues, filtered by 5 µm and prepared by refrigerated dryer.
- During the grinding process the temperature must be kept within a range of ±1°C to obtain best precision. A clima controlled room is recommended.
- The above specifications may change due to technical modifications. Please confirm before placing your order.

Centring Station





Sensor

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09/07 previous editions herewith loose their validity!