

# MPS 2 R400 DS

Grinding  
machines

Genauigkeits  
Maschinenbau  
Nürnberg GmbH



The Machine with Fully Enclosed Grinding Area,  
Increased Power Efficiency and  
Digital Control Concept



## Characteristics

The MPS 2 R400 line of machines have been designed to take advantage of state-of-the-art grinding technologies and ergonomics. The fully encapsulated grinding area offers optimum environmental conditions for the operator and reduces risks of contamination. This concept has been developed and refined for maximum precision when grinding metals, silicon and other semiconductor materials in small batch production, research and development.

## Application

The major application is the grinding of silicon and GaAs in the 50 mm up to 150 mm range.

## Features

- Fully enclosed grinding area
- Diamond grinding wheels
- PLC-Control
- Measuring Unit
- minimal TTV's
- Automatic programs
- Vacuum chucks
- Consistent grinding results

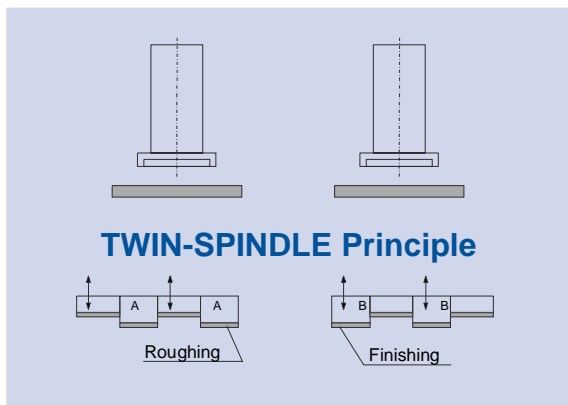


## Special Option

### MPS 2 R400DS + TWIN-SPINDLE

The TWIN-SPINDLE concept shows several opportunities:

- Two grinding wheels on one spindle
- Roughing and finishing in one setting
- High stock removal at finest finishes
- Unbeatable workpiece geometry
- No wheel change between roughing and fine finishing
- No secondary or rechucking of workpiece for fine finishing
- shortest change-over times



## Technical Data

A.C. motor	4 kW
Rotary Table	ø400 mm
Rotary Table Speed (inf. variable)	0 – 30 rpm
Vacuum Chucks	2" 28 chucks 3" 16 chucks 4" 8 chucks 5" 5 chucks 6" 4 chucks
Electrical Connection	5.5 kW
Coolant	5 l/min
Air Connection	¼"
Compressed Air	4 - 5 bar
Cup Grinding Wheel	ø200x100xø76
Space	approx. 2.5 m <sup>2</sup>
Net Weight	approx. 950 kg

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