

# MPS R400CV TWIN

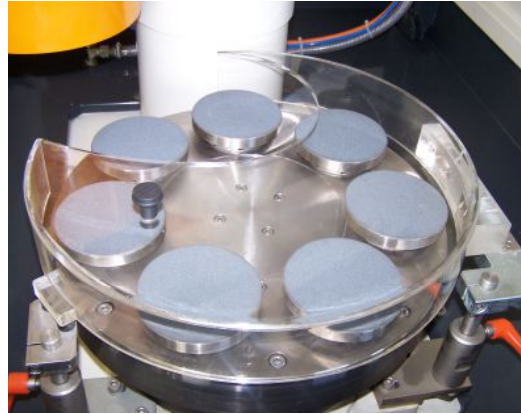
Machine for grinding nonmagnetic material in two grinding operations  
(pre- and fine grinding)

Grinding-

machines

Genauigkeits  
Maschinenbau  
Nürnberg GmbH

# G&N



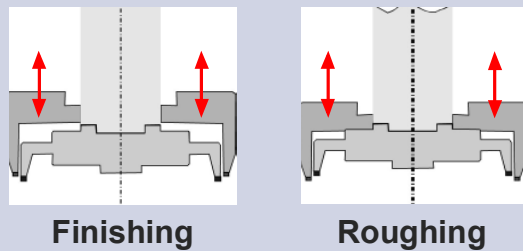
The TWIN-SPINDLE-concept shows several opportunities!

- 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

|                           |   |
|---------------------------|---|
| <b>AC Motor</b>           | 3,7 kW  |
| <b>Spindle speed</b>      | 2560 min <sup>-1</sup>                                  |
| <b>Elec. connection</b>   | approx. 9,0 kVA   |
| <b>Rotary table</b>       |   |
| diameter                  | ø400 mm   |
| r.p.m                     | 2 - 20 rpm  |
| axial run-out             | ≤ 2 µm  |
| <b>Cup grinding wheel</b> |   |
| ceramic                   | ø200 mm   |
| diamond / CBN             | ø200 mm   |
| <b>Vacuum chucks</b>      | 32 x 2" ; 16 x 3"<br>8 x 4" ; 5 x 5"<br>4 x 6" ; 2 x 8" |
| <b>Fine infeed</b>        |   |
| range                     | ca. 170 mm  |
| min. step                 | 1 µm  |
| <b>Weight</b>             | approx. 1130 kg   |
| <b>Required space</b>     | 1550 x 1130 mm  |

## Principle of Twinspindle



## Characteristics

The MPS 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.

## Features

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