



# GPS2

## AUTOMATIC SURFACE GRINDING MACHINE



### Special characteristics

- Fully automatic surface grinding of base bodies
- Vibration-isolating polymer concrete frame
- Automatic thickness measurement with direct or indirect measuring system
- Constant cutting velocity by automatic adjustment of the grinding disk speed
- Integrated cleaning and drying facility of auxiliary times by utilising two magnetic tables
- Industrial PC with touch screen and machine operation with WINDOWS interface

### Technical description

- The base bodies, stacked on the magazine cart, are retrieved by a handling device with magnetic gripper
- Magnetic table 1 or 2 is cleaned by means of a brushing mechanism and the base body is placed in position by the handling device
- The base body is ground flat by a motor-driven grinding disk
- During the grinding process, the grinding disk is guided linearly across the base body
- The base body thickness is measured by a measuring system during the grinding process
- After the grinding process on the first side, the base is cleaned by means of the brushing mechanism
- Before turning and placing the base body on the magnetic table again, the table is first cleaned in the cleaning and drying facility
- Thereafter, the second base body side is ground flat

- During the sharpening process on one of the magnetic tables, the other table is cleaned and loaded again
- finished base bodies, ground flat, are stacked on the magazine cart

### Standard features

- Two magnetic tables with brushing facility
- Measuring system
- Two magazine carts: stacking height 800 mm
- Cooling water container with pumps
- Central lubrication

### Technical data

- Base body diameter standard: 100 – 810 mm
- Grinding disk: max.  $\varnothing 700 \times \varnothing 280 \times 60-80$  mm
- Machine dimensions (LxWxH): 3000 x 2400 x 2700 mm
- Weight: approx. 22,000 kg

### Option

- Magazine cart handling

Special design on request