



GPS2

SURFACE GRINDING MACHINE



Special characteristics

- Fully automatic surface grinding
- Vibration-isolating polymer concrete frame
- Automatic thickness measurement with direct or indirect measuring system
- High precision: better 0.0005 mm
- Constant cutting velocity by automatic adjustment of the grinding wheel speed
- Integrated cleaning and drying unit /-optimization of idle times by utilising two magnetic tables
- Two magazine carts: stack height 800 mm
- Central lubrication
- Industrial PC with touch screen and machine operation with WINDOWS interface

Technical description

- The workpieces, stacked on the magazine cart, are picked up by a handling device with magnetic gripper
- Magnetic table 1 or 2 is cleaned by means of a brushing mechanism and the workpiece is placed in position by the handling device
- The workpiece is ground by a motor-driven grinding wheel
- During the grinding process, the grinding wheel is guided linearly across the workpiece
- The workpiece thickness is measured by a measuring system during the grinding process
- After the grinding process on the first side, the workpiece is cleaned by means of the brushing mecha-

nism

- Before turning and placing the workpiece on the magnetic table again, the table is first cleaned in the cleaning and drying unit
- Thereafter, the second workpiece side is ground flat
- During the grinding process on one of the magnetic tables, the other table is cleaned and loaded again
- Finished workpieces, ground flat, are stacked on the magazine cart

Technical data

- Table diameter: 810 mm
- Grinding wheel: max. \varnothing 700 x 280 x 40 – 80 mm
- Machine dimensions (L x W x H): 3,000 x 2,400 x 2,700 mm
- Weight: approx. 22,000 kg

Option

- Water filtration system
- Cooling water container with pumps
- Profiled workpieces (hub saw bodies/ tapered saw bodies/ paper knives)

Special design on request