



CNC GEAR HOBGING MACHINE - GLEASON PFAUTER P300

Gear hobbing machines

Brand :	GLEASON PFAUTER
Model :	P300
Year :	1998

TECHNICAL DETAILS & EQUIPMENT

TECHNICAL DESCRIPTION:

Linear axes:

- Radial slide (X-axis)
- Tangential slide (Y-axis)
- Axial slide (Z-axis)

Rotary axes:

- Milling head (A-axis)
- Workpiece table (C-axis)
- Swivel gripper for automatic workpiece change (E-axis)

Spindle:

- Milling cutter (S-Spindle)

TECHNICAL DATA:

- Control: SIEMENS SINUMERIK 840C

Gear hob:

- Largest permissible tip diameter: 130 mm
- Greatest length (depending on milling arbor diameter): 220 mm

MACHINE

Milling arbors:

- Diameter: 40 mm
- Acquisition cone: Steep cone ISO 40

Sledding trails:

- Radial (X-axis): 185 mm
- Tangential (Y-axis): 200 mm
- Axial (Z-axis): 250 mm

Largest milling head swivel angle:

- Direction +A: 35°.
- Direction -A: 45

Workpiece table:

- Outer diameter: 300 mm
- Bore: 80 mm

Speeds

Feeds:

- X-axis: 1 – 10.000 mm/min
- Y and Z axis: 1 – 5.000 mm/min

Rapid traverse:

- X-axis: 10.000 mm/min
- Y and Z axis: 5.000 mm/min

Drehzahlen:

- Tool: 125 – 1,250 rpm

- Workpiece table: 1 – 55 rpm

Electrical equipment:

- Operating voltage: 400 V
- Supply voltage: 230 V
- Control voltage: 24 V
- Frequency: 50 Hz
- Connected load of the machine: 48 kVA
- Cable cross section: 25 mm²
- Protection: 100 A

Overall dimensions of the machine:

- Length/Width/Height: 4.930 x 6.730 x 3.200 mm
- Machine weight approx: 9,5 tons

EQUIPMENT:

- Chip conveyor
- Electronic handwheel
- Lubrication and hydraulic unit
- Full coverage of the workspace
- Documentation
- CE marking