

TECHNICAL DATA
CNC-Gear Grinding Machine

manufacturer	GLEASON PFAUTER
type	P 400 G
control	SIEMENS 840D
built	2004



CNC-Profile Grinding Machine for grinding external spur and helical gears on cylindrical workpieces as well as any other profile or form which can be ground by the single indexing method.

working area

max. work piece diameter	800 mm
max. radial travel (X-Axis)	540 mm
max. tangential travel (Y-Axis)	200 mm
max. axial travel (Z-Axis)	600 mm
max. travel counter support (Z4-Axis)	630 mm
milling head swivelling angle (A-Axis)	+/- 45 °

workpiece table

outer diameter	380	mm
bore diameter x depth	80 x 300	mm
max. rated load	18	kN
max. table speed	0 - 32	1/min

grinding spindle power, grinding wheel

power	15	kW
max. modul	12	
max. speed	6.000	1/min
possible grinding arbor-Ø	10, 20, 80	mm
profil grinding wheel Ø 80, max. size	350x50x80	mm
profil grinding wheel Ø 10, max. size	100 x 16 x 10	mm

feed and rapid traverse

axis X	10	m/min
axis Y	5	m/min
axis Z	10	m/min

measurement, weight

required space ca.	6,5 x 6,9	m
machine weight ca.	10.500	kg

electrical supply data

total connected load	70	kVA
operating voltage	400	V
operating frequency	50	Hz
control voltage	24	V DC
wire cross section	35	mm ²
fuse	100	A

equipment

- full enclosure incl. extraction with electrostatic filter
- coolant equipment manuf. Hofmann prepared for external cold- water-cooling-device
- dressing device with one dressing wheel max. Ø 150mm
- counterholder extended to 1100 mm between table and centre
- measuring probe in the working area
- 1 piece grinding wheel arbor Ø 20 and Ø 10 mm incl. grinding wheel flange