



S 380 G

Gear Grinding Machine

STANDARD MACHINE SPECIFICATIONS

Four (4) Axis CNC Controlled Horizontal Profile Grinding Machine for single index profile grinding external and internal spur and helical gears, worms, rotors and threaded components, using dressable ceramic or electroplated CBN grinding wheels.



PROFILE GRINDING

Technical Data - Capacities & Limits

Maximum Outside Diameter	400 mm
Module	0.5 - 15 mm
Maximum Workpiece Weight	250 kg
Tool Head Swivel	+/- 95 / -135 °
Tool / Workpiece Distance	900 mm
Radial Travel	330 mm
Axial Travel	650 mm
Axial Travel (optional S 380 GX)	900 mm
Dressable Wheel Diameter	30- 300 mm
Electroplated CBN Wheel Dia.	30 - 220 mm
Total Connected Load (with Coolant Unit)	150 (190) kVA
Spindle Drive	20 kW
Width (Approximate)	3400 mm
Height (Approximate)	2900 mm
Length (Approximate)	4800 mm
Weight (Approximate Net)	13,500 kg

INTERNAL GEAR

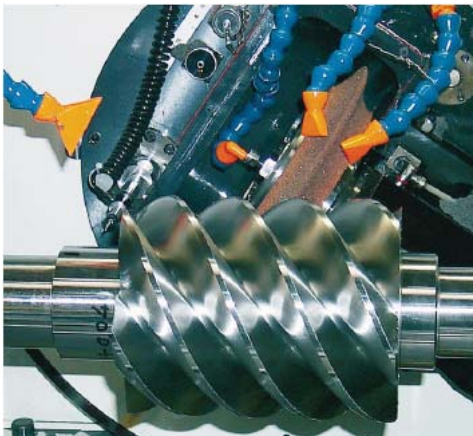


Technical data is subject to change without notice and may vary according to the workpiece geometry, the loading system and the workholding equipment supplied.

EXTERNAL GEAR



ROTOR





S 380 G

Profile Grinding Machine

Standard Equipment	
Description	
Thermal stabilised machine bed	
Linear guideways with high precision roll cages	
Linear motors for radial and axial axes	
Drum for helix angle setting	
Asynchronous motor with timing belt pulley for optional tool spindles	
Direct drive work spindle (torque motor)	
Oil supply for work holding fixtures	
Automatic phase unit with fixed inductive sensor	
CNC control SINUMERIK 840 D	
Remote troubleshooting via modem	
Samputensili operator dialogue software	
Incremental measuring systems	
Quick safety withdrawal	
Electro-mechanical interlock of machine doors	
Working area lighting	
Illumination and air conditioning of control cabinet	
Pneumatic equipment, hydraulic equipment and central lubrication	
Flushing pistol	
Recovery pump for dirty oil	
Electrical equipment (Siemens)	
Standard accessories	
Levelling wedges	
Standard paint	
1 set of documentation on paper and 1 set on CD	
EEC certificate of conformity	
Standard Equipment Total (\$):	

Optional Equipment	
Description	Price (\$)
Increased axial travel up to 900 mm	
Retractable probe for external gears	
Retractable probe for internal gears	
Automatic phase unit with retractable inductive sensor	
Automatic phase unit with touch probe	
Tailstock - 125 mm stroke	
Profiling spindle	
Electrostatic fume extractor	
Probe to check the suction flow	
Oil cooling and lubrication with drum filter	
Security undertank	
Oil cooling unit and filter for cast iron	
Pneumatic sludge dryer	
Automatic opening - closing of front doors	
Automatic opening of upper doors	
Grinding spindle (selection of sizes)	
Internal grinding accessories	
Software (selection)	
Dressing tools	
Special electrical equipment	
Voltage stabilizer	
Special painting	
On-screen texts, documentation	
Optional Equipment Total (\$):	

Total Cost:	
Standard Equipment Total (\$):	
Optional Equipment Total (\$):	
TOTAL (\$):	

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