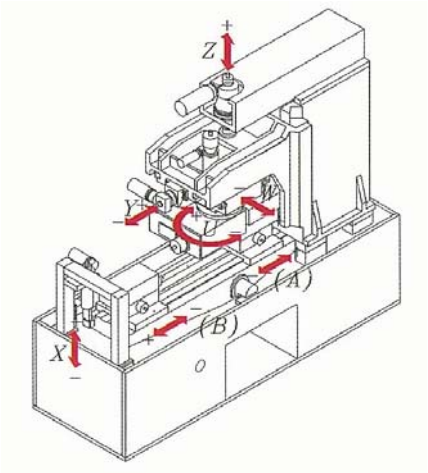
RASO 400
Gear Shaving Machine

STANDARD MACHINE SPECIFICATIONS

A large, open “C” structure makes the RASO 400 one of the most versatile shaving machines available. It can shave shafts and gears in varying sizes. When combined with internal and external automation it can also handle auxiliary operations including: chamfering and deburring and centrifugation (spin off) marking. Due to its power and stiffness, the RASO 400 is ideal for producing gears with large modules and face widths, such as gears for agricultural equipment, earthmovers and industrial vehicles.

Technical Data - Capacities & Limits	
Min. / Max. Module	1-8 mm
Min. / Max. Module distance between workpiece and shaving cutter	119 - 329 mm
Min. / Max. Dia. of Shaving Cutter	178 - 245 mm
Shaving Cutter Bore Diameter	63.5 (100) mm
Min./Max. Shaving Cutter Width	19 - 50.8 mm
Max. face to be shaved	160 mm
Width (Approximate)	3050 mm
Height (Approximate)	2635 mm
Length (Approximate)	4500 mm
Weight (Approximate Net)	8000 kg

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



Axes		Movement / Function	Group
Work Axes	Z	Radial Feed of Cutter	Knee
	X	Table Oscillation	Elliptoid
	Y	Movement of Cutter Parallel to Workpiece Axis	Cross Slide
	W	Movement of the Cutter Orthogonal to the Workpiece Axis	
Y + W in Interpola-tion		Movement of the Cutter Diagonal to the Workpiece Axis	
Positioning Axes	U	Angular Positioning of Cutter Head	Cutter Head
	A	Tailstock Positio-ning (Optional)	Tailstock
	B	Headstock Positio-ning (Optional)	Headstock
	C	Automatic Loaders Adjustments	Automatic Loaders
	D		

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Standard Equipment
Description
Compact cast iron weldment bed frame design
Knee unit and cross slide unit
Cutterhead with countersupport for two cutters
Quick cutter clamp
Cast iron worktable
Self contained coolant system, 250 liter capacity
Hydraulic system
Integral electrical cabinet and control panel with AC
Siemens digital brushless servomotors
Sinumerik 840D control; 5 axes spindle
SICMAT conversational software
Thermal compensation, CNC controlled
"U" and "Z" calculation software
Diagnostics
Halogen work lamp for work station
Full enclosure of the work area
Workpiece counters
Standard painting per customer selected color
Set of documentation in English
Spacers, levelling blocks, service keys
Manufactured to EC specifications 89/392
Standard Equipment Total ($):

Required Optional Equipment	
Description	Price ($)
Headstock, hydraulically operated, 80 mm max. stroke	
Tailstock, locking, hydraulically operated, 80 mm max. stroke	
Set of centres for headstock and tailstock, No. 2 centers	
Machine covering hood, with 200 mm diameter hole exhaust	

Optional Equipment	
Description	Price ($)
Headstock & tailstock CNC motorization (A&B axes)	
Workholding fixturing	
Optional Equipment Total ($):	

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

Submit a QUICK QUOTE Request

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