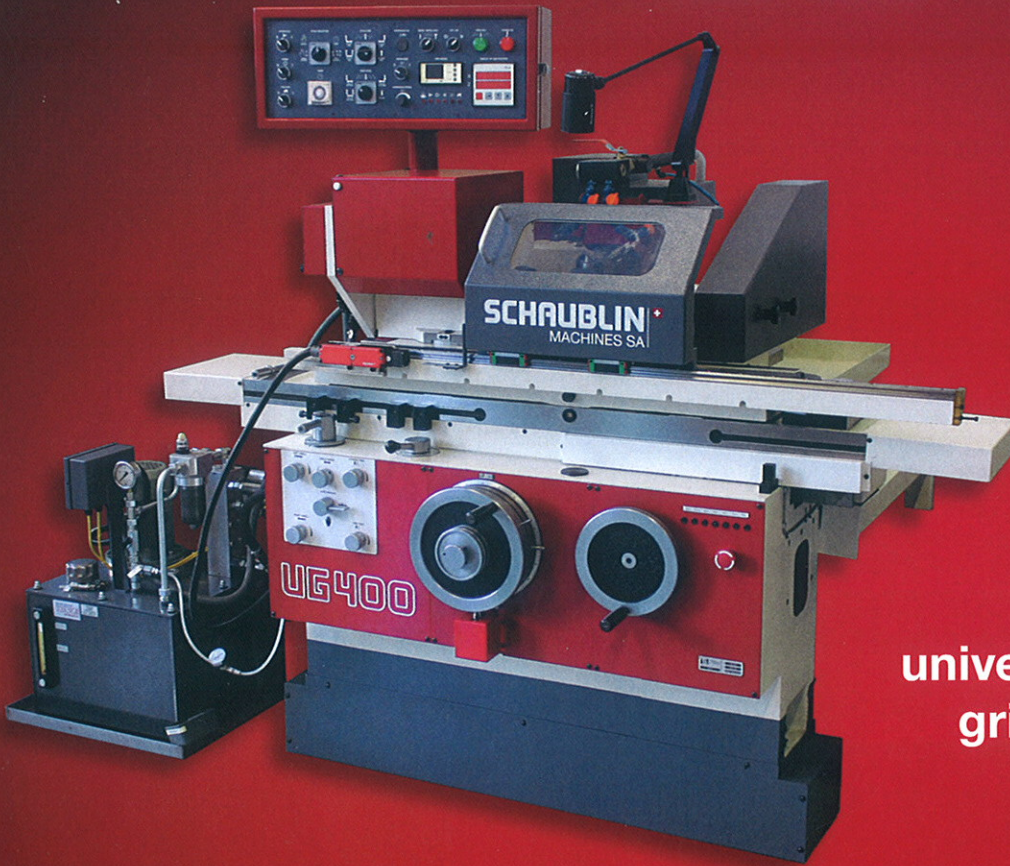


UG 400



High precision
universal cylindrical
grinding machine

SCHAUBLIN 
MACHINES SA

Longlife High Precision

www.smsa.ch



Car industry



Optical



Micro mechanics



Aeronautic-aerospace



Medical dental



Tooling



Equipment



Defence



UG 400

TECHNICAL DATA

Capacity	
Center height	100 mm
Distance between center	400 mm
Table travel maximum	425 mm
Minimal ID/OD grinding diameter	6 mm
Maximal ID grinding diameter	85 mm
Maximal OD grinding diameter	100 mm

Table	
Speed (Infinitely variable)	0.05 - 5 m/min
Minimum automatic stroke	2 mm
Swivel of table	
- Towards to the Wheel head	30°
- Away from the Wheel head	3°
Dwell at reversal	0 - 10 sec
Travel per revolution of hand wheel	15 mm

Work head	
Swivel range	0-90°
Spindle speed (infinitely variable)	50 - 1'000 RPM
Spindle nose taper	4 Mo
Collet shank diameter	20 mm
Motor Power	0.75 kW
Chuck diameter	100 mm

Max torque on live spindle / chuck	300 Kg/cm
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Max work piece weight between centers	30 kg
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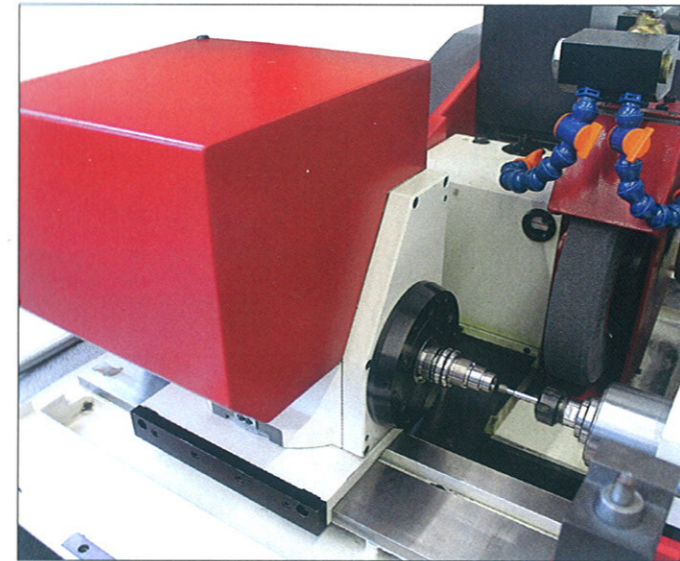
Wheel Head	
Grinding wheel size (OD x width x ID)	350 x 50 x 127 mm
Min wheel size on diameter	280 mm
Motor power	3.7 kW
Wheel speed	1800 - 2000 RPM

In Feed System	
Rapid approach	50 mm
Additional adjustment	200 mm
With hand lever maximum In feed with hand wheel	20 mm
Maximum plunge depth on diameter	1.7 mm
In feed rate on diameter (coarse)	0.015 - 6 mm/min
In feed rate on diameter (fine)	0.015 - 3 mm/min
Min. Incremental in feed on diameter	0.001 mm
Pick feed at left or right hand table reversal	0.001 - 0.040 mm

Tail Stock	
Quill taper	3 Mo
Quill travel	25 mm
Range of fine taper setting	0 - 0.040 mm

Internal Grinding Heads (optional)	
Spindles	28'000 / 42'000 / 60'000 RPM
Spindle body diameter	80 mm
Motor power	1.1 kW

Guaranteed Accuracy	
Roundness of live spindle	0.3 µm
Cylindricity/Grinding length between centers	0.002/400 mm/mm



Headstock

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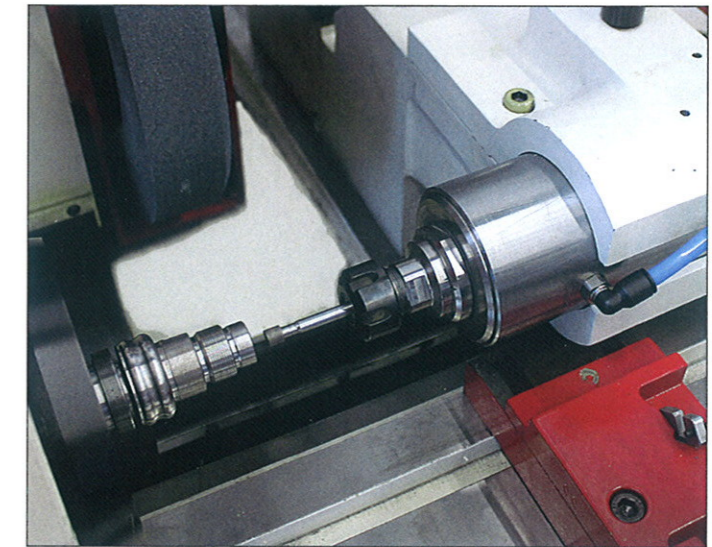


Work panel

OPTIONAL

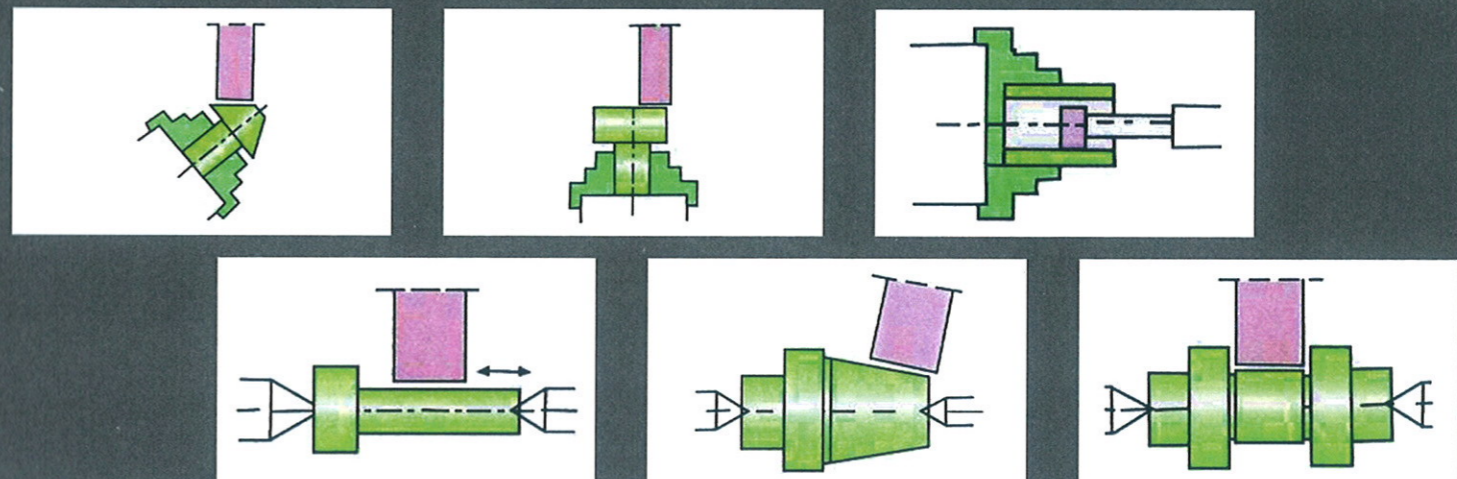
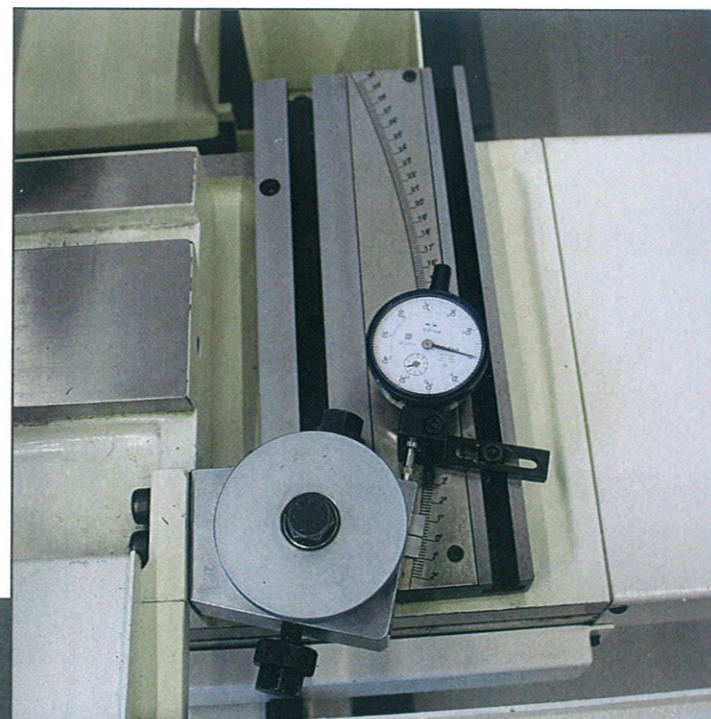
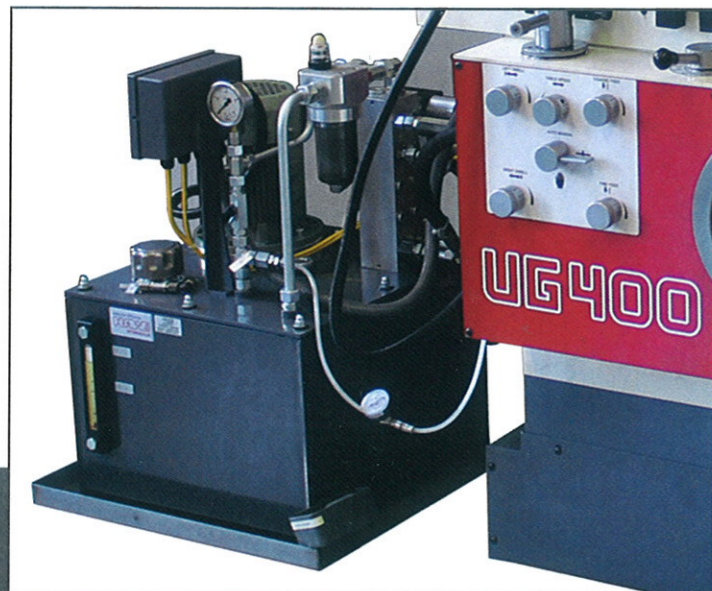


Measurement and display system



Internal grinding spindle
28'000 RPM / 42'000 RPM / 60'000 RPM

CE The UG400 High Precision grinding machine is in conformity with the European Community safety regulations. In view of the constant improvements made to our products, technical data illustrations, dimensions, and weights appearing in this catalogue are subject to change without notice.



FLEXIBILITY • LONGEVITY • HIGH PRECISION • SPECIALITIES