



EUROGUARCO

## UNIVERSAL GRINDER

Model: 2M9120A

### ➤ Machine Characteristics

1. The functionality of the Multi-Grind ranges from external and internal cylindrical grinding to taper grinding.
2. The Multi-Grind also allows easy tool grinding (sharpening of cutters, reamers and turning tools) and is suitable for light surface grinding job.
3. Three-Point Bearing The custom three-point bearing of the grinding spindle ensures minimum temperature effects and consistent grinding quality.
4. Feed Drives Hydraulic table feed (longitudinal) with automatic change of direction.
5. An additional manually operated longitudinal feed with hydraulic support allows feed speeds up to 7 m/min.
6. Grinding Headstock Special grinding headstock design allows simultaneous setup of 2 different grinding wheels.
7. The grinding headstock can be moved in transverse direction and also vertically; and it can be rotated around the vertical axis.
8. Speeds The headstock operates at 3 different speeds (110, 200, 300 min<sup>-1</sup>), which are set through an easy to operate gear shift lever.
9. central lubrication system - sturdy construction
10. minimizes vibration effects - electrical components are mounted easily accessible in a control cabinet



➤ **Main Technical Parameter**

<b>Working area</b>	
Grinding diameter	200 mm
Workpiece length (max.)	500 mm
Workpiece weight (max.)	10 kg
Workpiece width surface grinding	50 mm
Workpiece length surface grinding	200 mm
Grinding length	200 mm
Inside grinding measures, optimal	Ø10-50 x 75 mm
Outside grinding measure, maximum	Ø5-50 x 400 mm
Tool grinding measure	200x500 mm
Table swivel range (max.)	+45° / -30°
<b>Travels</b>	
Travel Z-axis	480 mm
<b>Feed</b>	
Feed per hand-wheel rotation X-axis, fine	1 mm
Feed per hand-wheel rotation X-axis, rough	4 mm
Feed per scale division X-axis, fine	0,005 mm
Feed per scale division, X-axis, rough	0,02 mm
Scale division of height adjustment	0,01 mm
<b>Tailstock</b>	
Height adjustment per handwheel rotation	1 mm
Tailstock taper	MT 2
Tailstock quill stroke	14 mm
<b>Grinding headstock</b>	
Grinding spindle speed	2500 rpm
Inside grinding spindle speed	13500 rpm
Grinding headstock swivel range	± 90 °
<b>Headstock</b>	
Working headstock swivel range	± 90 °
Working spindle taper	MT 2
Working spindle speed	(3) 110 - 300 rpm
Chuck diameter	100 mm
<b>Drive capacity</b>	
Machine drive capacity	2,525 kW
Motor rating main drive	1,1 kW
<b>Measures and weights</b>	
Grinding wheels dimensions	200x20x75 mm
Grindstone dimensions, inside grinding (min.)	10x10x3 mm
Grindstone dimensions, inside grinding (max.)	25x20x6 mm
Overall dimensions (length x width x height)	1.520x1.350x1.400 mm
Weight	1.300 kg

## Standard Equipment:

Coolant equipment,  
6Piece-Grinding wheel,  
1Set-Internal grinding wheel head,  
1Piece-Extended grinding wheel spindle,  
1Set-Cutter head,  
1Set-Tree-jaw chuck,  
1Set-Plane grinding,  
1 Piece-Centre,  
1Set-Tooth rest,  
1 Piece-Centre,  
1Set-Lefttailstock,  
5Set-Driving dogs,  
1Set-Wheel dresser,  
3Piece-Wheel pullers,  
2 Piece-Vee-belt,  
1Set-Wheelbalancing stand,  
1Piece-Flat belts  
3Sets-Flangesfor grinding wheel  
2Piece-Centering technical sleeves  
2Sets-Wheel guards





