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Quotation Form

NO.	Product Name	Product Model	Quantity	Unit Price (USD)
1	GRINDING MACHINE	2M9120A	1	

1. Quotation Method: **FOB QINGDAO**
2. Quotation Based on Customer's Drawing.
3. Quotation Valid :20days
4. Payment Terms:T/T (30% for deposit and 70% before the shipment)
L/C at sight(30% for deposit and 70% after receiving all documents)
One of the above options, of which selected option will be confirmed by mutual agreement.
5. HS Code:
6. Delivery Time: within **60** working days after receiving the deposit.
7. Packaging: Inner: Stretch Film Outer: PLY WOOD CASE
8. Touch Screen Language: English or Customized
9. Color: Customized
10. Guarantee: 12 months

Note: The price doesn't include installing, commissioning and training charge.

Technical Parameter and Configuration for MULTI-PURPOSE 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

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- 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⁻¹), 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

Working area	
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°
Travels	
Travel Z-axis	480 mm
Feed	
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
Tailstock	
Height adjustment per handwheel rotation	1 mm
Tailstock taper	MT 2
Tailstock quill stroke	14 mm
Grinding headstock	
Grinding spindle speed	2500 rpm
Inside grinding spindle speed	13500 rpm
Grinding headstock swivel range	± 90 °
Headstock	
Working headstock swivel range	± 90 °

Working spindle taper	MT 2
Working spindle speed	(3) 110 – 300 rpm
Chuck diameter	100 mm
Drive capacity	
Machine drive capacity	2, 525 kW
Motor rating main drive	1, 1 kW
Measures and weights	
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-Ttree-jaw chuck,
- 1Set-Plane grinding,
- 1 Piece-Centre,
- 1Set-Tooth rest,

1 Piece-Centre,

1Set-Left tailstock,

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

Machine Photos





