

## Precision Small Drill Grinding Machine

### Meteor MM-12

For grinding and point-thinning of right and left hand drills in one position.

Grinding range:                     $\varnothing$  0.2 – 6.2 mm with precision four-jaw chuck  
up to  $\varnothing$  13 mm with collets (see accessories)

### Machine consisting of:

#### Basic machine

- Grinding spindle adjustable in axial direction
- Two lateral stops with fine adjustment
- Alternating-current motor 170 W
- Electro-dynamic motor-retarding
- Printed circuit board
- Dustproof control panel
- Trueing device for grinding wheels
- Halogen-machine-light 24V
- Carborundum grinding wheel K 250
- Dust protection cover
- Color: ruby red RAL 3003 / gray RAL 7004
- Electrical connection: 230V / 50Hz, 110V / 60Hz
- Safety regulation: CE / STR tested

#### Angle adjustable arm

- Point angle adjustable from 90 - 180 ° (0-180 ° see accessories)
- Cutting and clearance angle adjustable from 0 - 45 °

#### Drill grinding attachment BSG-99

- Microscope magnification 15x with integrated light 6 V
- Precision four-jaw chuck for drills from  $\varnothing$  0.2 – 6.2 mm
- Drill length gauge
- Tool-set and brush
- Operating manual

**Machine price ready to grind**

**US\$ 15,650.00**

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## Accessories for METEOR MM-12

Item #	Description	Price in US\$
B 400578-0	<b>Set of collets - 90</b> (∅ 6 - 13 mm) consisting of: - 7 pcs. collets (chuck-capacity 1 mm/collet) - 1 pc. collet-sleeve - 1 pc. clamping-nut	1,050.00
B 400 578-1	<b>Set of collets</b> (∅ 1/4" - 1/2") consisting of: - 9 pcs. collets (chuck-capacity 1/32"/collet) - 1 pc. collet-sleeve - 1 pc. clamping-nut	1,050.00
E-0010-XX-0S	<b>Precision collet</b> (∅ by choice) - concentricity = 0.01 mm - clamping range 5/10 mm/collet - available diameters: 2 - 12 mm	110.00
B 400651-0S	<b>Indexing screws</b> for tool-carrier (set complete) For grinding of 3- and more-lipped tools, consisting of: - 3 pcs. indexing screws - 1 pc. special-screwdriver	105.00
B 300118-0S	<b>Drill support 90</b> for drills with reinforced shafts or PCB-drills	1,485.00
Mega.21	<b>Dust collector complete</b>	865.00
E-0009-00-0S	<b>Audible signal recorder type "Touch-Test STT"</b> (ideal grinding-help in loud environment)	1,735.00
B 300111-0S	<b>Point angle adjustable from 0 - 180 °</b> (Please consider before buying the machine - integration afterwards is not possible)	882.00
B 40046600	<b>Supplementary price for microscope 30x instead of 15x</b>	232.00
X57	<b>U-drill point-thinning device</b> with grinding wheel	3,340.00
E-0012-G0S	<b>Machine-cabinet</b> (1 drawer + 2 shelves) (l 450 x w 450 x h 900 mm)	980.00

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**Terms and conditions of sales for METEOR-machines**

<b>Price:</b>	F.O.B. Novatech, Scottsdale Arizona - USA
<b>Validity:</b>	90 days from date of offer
<b>Payment:</b>	In US\$, net 10 days. Subject credit approval
<b>Warranty:</b>	12 months
<b>Packing:</b>	Packing \$ 200.00
<b>Transport:</b>	Transport and Insurance is customer's responsibility
<b>Delivery:</b>	6 - 8 weeks after receipt of order
<b>Setup:</b>	METEOR-machines are delivered ready to grind. Setup can be accomplished by your own personnel.

***TECHNICAL SPECIFICATION AND PRICE SUBJECT TO CHANGE WITHOUT NOTICE***