

Micro Tool Grinding Center

Meteor MM-12-US

For grinding right- and left-hand small-tools precisely. For manufacturing all kinds of engraving-tools. For regrinding boring-tools, one- and multi-lipped milling cutters as well as radius milling cutters.

Grinding range: \varnothing 1 - 13 mm with collets
 \varnothing 0,2 - 6,2 mm with precision four-jaw chuck (see accessories)

Machine consisting of:

Basic machine

- Grinding spindle adjustable in axial direction
- Lateral stops with fine adjustment
- Alternating-current motor 170 W
- Electro-dynamic motor-retarding
- Printed circuit board
- Dustproof control panel
- 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

Universal grinding attachment USE-99-2

- Grinding-head adjustable in 6 axes, with measuring-scale and fine-adjustment
- Integrated measuring-microscope 10x for controlling the grinding-process (with this microscope fixed on the machine it is possible to control the tool from the front and from above)
- Tool-carrier with integrated dividing-attachment and 4 indexing-screws
- Various stops (repeat-precision when grinding in series)
- Lateral stops as well as fine adjustment with micrometer to basic machine
- Covering-plate to basic machine
- Collet set 1 - 13 mm
- Tool-set and brush
- Operating manual

Machine price ready to grind

US\$ 18,200.00

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Accessories for METEOR MM-12-US

Item #	Description	Price in US\$
B 300120-OZ	Precision four-jaw chuck Ø 0,2 - 6,2 mm	2,090.00
E-0010-XX-0S	Precision collet (Ø by choice) - concentricity = 0,01 mm - clamping range 5/10 mm/collet - available diameters: 2 - 12 mm	110.00
B 400651-0S	Indexing screws for tool carrier (set complete) For grinding of 3- and more-lipped tools, consisting of: 3 pcs. indexing screws and 1 pc special-screwdriver	99.00
B 300125-0S	Inclinable table For grinding right and left hand 4-square lathe-tools, recessing tools, inserts.	660.00
B 400672-00	Collet for square bars 8 x 8 mm	462.00
B 400673-00	Clamping ring 10 x 10 mm for square bars	682.00
B 400663-00	Clamping ring 12 x 12 mm for square bars	682.00
E-0009-00-0S	Audible signal recorder type "Touch-Test STT" (ideal grinding-help in loud environment)	1,705.00
B 2000301Z	Twist tool grinding mount complete (X67) (for regrinding twist and radius of milling-cutters)	6,380.00
B 2000302Z	Alternative to twist tool grinding mount	3,150.00
Mega.21	Dust collector complete	865.00
E-0060-01-0K	Camera and monitor complete , consisting of: Camera head / monitor / connection-cable / microscope 10x (magnification 20x on request)	6,820.00
E-0005-04-0M	Supplementary price for angle-microscope 10x with angle-measuring-attachment (other magnifications on request)	605.00
E-0064-03-0M	Supplementary price for angle microscope 20x instead of 10x	330.00
E-0012-G0S	Machine-cabinet (1 drawer + 2 shelves) (l 450 x w 450 x h 900 mm)	945.00



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Terms and conditions of sales for METEOR-machines

Price:	F.O.B. Novatech, Scottsdale Arizona - USA
Validity:	90 days from date of offer
Payment:	In US\$, net 30 days. Subject credit approval
Warranty:	12 months
Packing:	Packing \$ 200.00
Transport:	Transport and Insurance is customer's responsibility, Machine
Delivery:	6 - 8 weeks after receipt of order
Setup:	METEOR-machines are delivered ready to grind. Setup can be accomplished by your own personnel.

TECHNICAL SPECIFICATION AND PRICE SUBJECT TO CHANGE WITHOUT NOTICE