

Precision Small Drill Grinding Machine

Model Meteor MM-12-PD Printed Circuit Board Drills (PCB-drills)

For grinding of right and left hand PCB-drills (2- and 4 facets).
Extension for regrinding standard-drills is possible with the modular-system.

Grinding range: \varnothing 0.5 – 6.2 mm
 \varnothing 0.1 – 0.49 mm (supplementary price upon request)

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
- Grinding-wheel positioning plate
- Covering plate
- Halogen-machine-light 24V
- Dust protection cover
- Colour: ruby red RAL 3003 / grey 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 °

Printed circuit board drills grinding attachment PD

- Microscope magnification 30x (40x), with integrated light 6 V
- Clamping adjustment (3 – 3.175 mm) with drill length gauge for PCB-drills
- Support for drills with brass-sleeves 0.8 + 1.0 mm
- Diamond-grinding wheel MD 4
- Tool-set and brush
- Operating manual

Price of the machine ready for work

US\$ 17,645.--

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Recommended accessories:

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|---|------------------------------|---------|
| - Precision four-jaw chuck \varnothing 0.2 – 6.2 mm | B 300120-0Z | 1,995.— |
| - Brass sleeve (\varnothing on choice) | B 40068400 per \varnothing | 105.— |
| - Grinding wheels according separate list | | |

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Accessories for METEOR MM-12-PD

Article-No.	Description	Price in US\$
B 40068400	Brass-sleeve , Ø your choice	105.--
B 40053000	Camera-monitor , magnification 35 - 40x Supplementary price for magnification 80x	5,775.-- 630.--
E-0009-00-0S	Audible signal recorder type "Touch-Test STT" (ideal grinding-help in loud environment)	1,735.--
<i>Extension-accessories incl. grinding wheels for regrinding of standard drills</i>		
B 300120-0Z	Precision four-jaw chuck for standard-drills (Ø 0.2 – 6.2 mm)	1,995.--
<i>For HIGH SPEED STEEL drills (HSS)</i>		
B 400145-X	Carborundum-grinding wheel K 250	115.--
B 40021011	Borazon-grinding wheel B 25	495.--
B 40021014	Borazon-grinding wheel B 64	495.--
<i>For CARBIDE drills</i>		
B 40021001	Diamond-grinding wheel MD 10	420.--
B 40021003	Diamond-grinding wheel MD 25	420.--
B 300083-U	Trueing device for carborundum-grinding wheels (ideal help for grinding-wheel O-positioning)	515.--
B 40021020	Special trueing tool for Borazon and Diamond-grinding wheels	170.--
B 40021021	Sharpening Stone No. 1 (red) - for borazon-grinding wheels	15.--
B 40021022	Sharpening Stone No. 2 (white) - for borazon wheel B25 and all diamond-grinding wheels	15.--
ATTENTION: Grinding wheels have to be WET for dressing!		

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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 10 days. Subject credit approval
Warranty:	12 months
Packing:	Packing \$ 200.00
Transport:	Transport and Insurance is customer's responsibility
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