

MAB 1300 – The Worlds' Most Powerful Magnetic Core Drilling Machine

Outstanding performance with exceptional power delivery. The MAB 1300 is currently the strongest magnetic core drilling machine.

You just need to look at the machine to get the idea! 2,300 Watt motor performance, four speed gears, Morse Taper 4, Single phase and fully equipped to fulfil every requirement. The MAB 1300 reaches the maximum limit of magnetic drilling technology.

MAB 1300 – sheer power

This magnetic core drilling machine meets all the expectations that arise in heavy engineering & fabrication, ship building, production engineering, etc.

Core drilling upto \varnothing 130 mm (30 mm cutting depth), the whole spectrum of BDS core drills can be used with this machine: twist drilling, reaming, countersinking and thread cutting to M42.

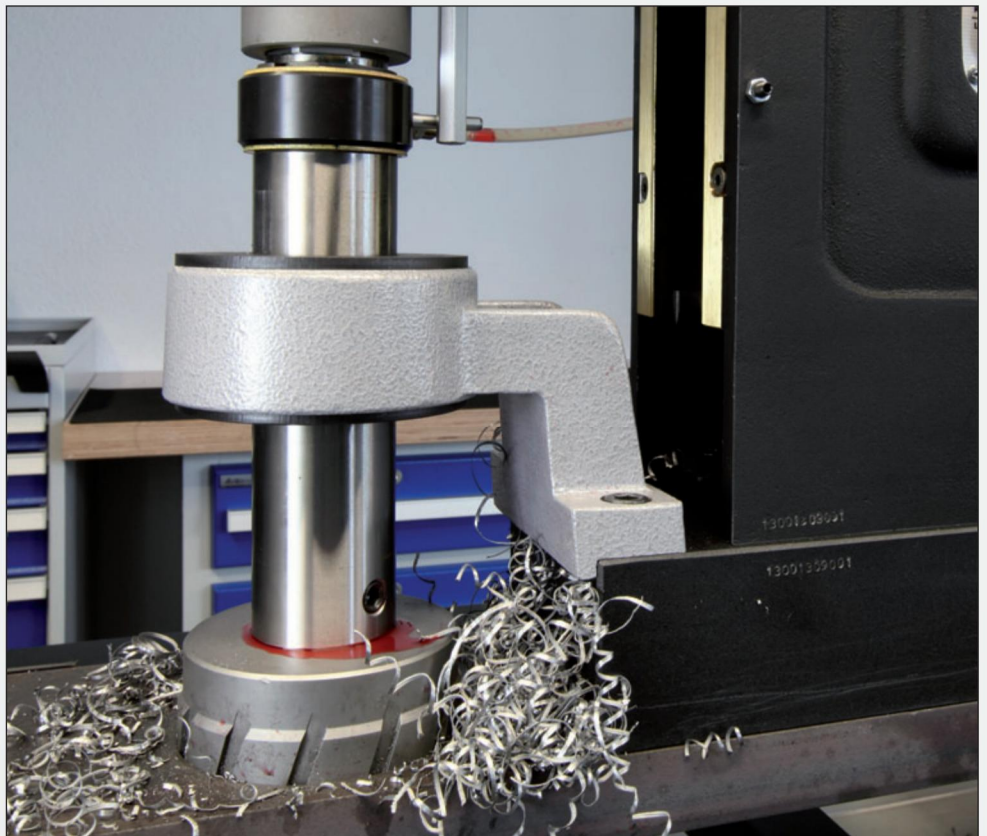
As a standard, the MAB 1300 has a direct arbor with 32 mm Weldon shank ($1 \frac{1}{4}$ ") and a Morse Taper MT 4.

If the steady is removed, which can be done in just a few moments, the machine's stroke can be extended to a remarkable 310 mm.

The machine is fully equipped with all the safety measures of current magnetic core drilling technology: protection from machine overheating, protection from tool damage, alerts when the carbon brushes are worn and a warning when the magnet holding force is too low.

The MAB 1300 drilling system is delivered as standard in a stable carry case on wheels made out of impact resistant plastic. It is thus very portable and easy to handle despite its weighty 51 kg.

The MAB 1300 even though being such a powerful machine, it uses Single Phase power supply, thus helping to reduce the power consumption.



The MAB 1300 in its element: drilling, countersinking, reaming, thread cutting.



The robust carry case on wheels for the MAB 1300.

Maximum stroke without steady:
310 mm high.



Visit our homepage to experience live the MAB 1300 demo video.
http://www.kernbohrer.de/downloads/downloads.html#tab_4

The advantages of the MAB 1300

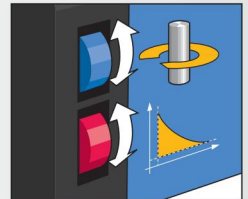
- > Drilling to \varnothing 130 mm with a cutting depth of 110 mm
- > MT 4 Motor, output of 2,300 Watt and all features of the ProfiPLUS class
- > With Power-Assist – servo-assisted drilling



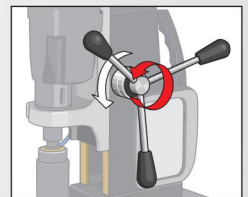
SPECIFICATION

	Motor output:	2300 Watt
	Voltage:	230 V AC, 50-60 Hz
	Stroke without steady:	310 mm
	Stroke with steady:	85 mm
	Swivel Base, adjustment feature:	–
	Magnet size:	120 x 360 x 65 mm
	Weight:	51 kg
	Direct arbor:	32 mm Weldon (1 1/4")
	Quick change drill chuck system:	–
	Morse taper:	MT 4
	Speed range 1:	30 – 80 min ⁻¹
	Speed range 2:	50 – 120 min ⁻¹
	Speed range 3:	130 – 350 min ⁻¹
	Speed range 4:	210 – 550 min ⁻¹
	Permanent internal lubrication:	✓

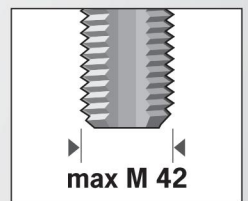
	Friction clutch:	✓
	Torque control:	✓
	Full wave control electronics:	✓
	Magnet indicator:	✓
	Overheating protection:	✓
	CW/CCW rotation:	✓
	Carbon brush wear control:	✓
	Core drill short 30 mm:	12 – 130 mm
	Core drill long 55 mm:	12 – 120 mm
	Core drill overlong 75 mm:	18 – 120 mm
	Core drill extra-long 110 mm:	20 – 120 mm
	Twist drilling:	≤ \varnothing 45 mm
	Reaming:	≤ \varnothing 50 mm
	Countersinking:	≤ \varnothing 80 mm
	Thread cutting:	≤ M42



Full wave control electronics with torque control



Drilling with servo assist



Thread cutting upto M42

ORDER NO.

MAB 1300 230 Volt

MAB 1300 110/125 Volt

Technical drawing: Page 42-43

Thread cutting systems: Page 70-71

SCOPE OF DELIVERY

1 Magnetic core drilling machine	1 Ejector pin ZAK 100 + 120
1 Carry case on wheels	1 Bushing ZAP 200, from 32 mm Weldon to 19 mm Weldon
1 Safety chain	1 Operating manual
1 Offset screwdriver SW 4, 6, 8	
1 Drill drift MT 4	
1 Ejector pin ZAK 075 + 090	