

# MAB 155

Horizontal magnetic core drilling machine with angular gear, ideal for extremely tight drilling spaces.



## THE COMPACT MACHINE

## WITH GIGANTIC POWER

180 mm

1080 Watt motor output

Safety switch

Just 11 kg in weight

Super compact, just 180 mm tall

- ▶ Compact machine for working in tight drilling spaces
- ▶ New powerful motor
- ▶ With ratchet for optimal handling

MAB 155	
Motor output	1050 Watt
Voltage	230 V / 50-60 Hz or 110-125 / 50-60 Hz
Stroke	39 mm
Magnet dimensions	80 × 160 × 36.5 mm
Weight	11 kg
Direct arbor	19 mm Weldon (3/4")
Gear 1 range	320 rpm
Order No.	MAB 155 230 V
Order No.	MAB 155 110/125 V

Included in delivery	
MAB 155 magnetic core drilling machine	
Ejector pin ZAK 075	
Allen key SW 4	
Hard-top case	
Safety lashing strap	
Operating instructions	
Reversible ratchet	

Feed	Manual
Core drill	Ø 35 mm L 30 mm



Fully automatic forward and reverse operation



Pushing the handle towards the machine activates the automatic drill feed



- ▶ The controls reliably monitor the drilling process while the power consumption is indicated by LED
- ▶ A safety shutdown mechanism protects the drill motor from overload
- ▶ The high degree of evenness in the drilling process protects the tool and machine and significantly reduces the risk of breaking the core drill
- ▶ Safety control shutdown: if the magnet loses its grip the drill and feed motors automatically cut off

AutoMAB 450	
Motor output	1150 Watt
Voltage	230 V / 50-60 Hz or 110-125 / 50-60 Hz
Stroke	150 mm
Magnet dimensions	168 × 84 × 41.5 mm
Weight	16 kg
Spindle taper	MT 2
Gear 1 range	250 rpm
Gear 2 range	450 rpm
Permanent internal lubrication	✓
LED power indicator	✓
Magnetic indicator with safety shutdown	✓
Feed	automatic forward/reverse
Order No.	AutoMAB 450 230 V
Order No.	AutoMAB 450 110/125 V

Included in delivery	
AutoMAB 450 magnetic core drilling machine	
Ejector pin ZAK 075 + 100	
Industrial arbor ZIA 219-KN 19 mm	
Allen key SW 5	
Transport case	
Safety lashing strap	
Operating instructions	

Feed	Automatic	Manual
Core drill	Ø 45 mm	Ø 45 mm
	L 30 mm	L 30 mm
	L 55 mm	L 55 mm





# AirMAB 5000

Drilling with pneumatic drive and a permanent magnet.

**POWERFUL**

**PNEUMATIC**

**DRILLING**

830 Watt  
powerful Atlas  
Copco vane-motor



- ▶ High-performance Atlas Copco pneumatic motor with MK 2 spindle taper
- ▶ Motor approved under EX class Ex II 2G T4 IIC D110°C

KEYLESS  
Drill Chuck



Cutting depth  
up to 55 mm  
and Ø 35 mm

Powerful  
permanent magnet

AirMAB 5000	
Motor output	830 Watt
Nominal torque	27 Nm
Air consumption	1000 l/min
Stroke	160 mm
Magnet dimensions	90 × 160 × 60 mm
Weight	17.5 kg
Quick-change drilling system	KEYLESS, 19 mm (3/4")
Spindle taper	MT 2
Gear 1 range	min. 290 rpm max. 575 rpm
Permanent internal lubrication	✓
Order No.	AirMAB 5000

## Included in delivery

- AirMAB 5000 magnetic core drilling machine
- Ejector pin ZAK 075 + 100
- Ejector drift MT 2
- KEYLESS quick-change drilling system, 19 mm Weldon (3/4")
- Hard-top case
- Safety lashing strap
- Operating instructions
- Pump bottle for cutting oil/drilling emulsion

## Feed Manual

Core drill	Ø 35 mm
	L 30 mm
	L 55 mm
Twist drill	Ø 23 mm

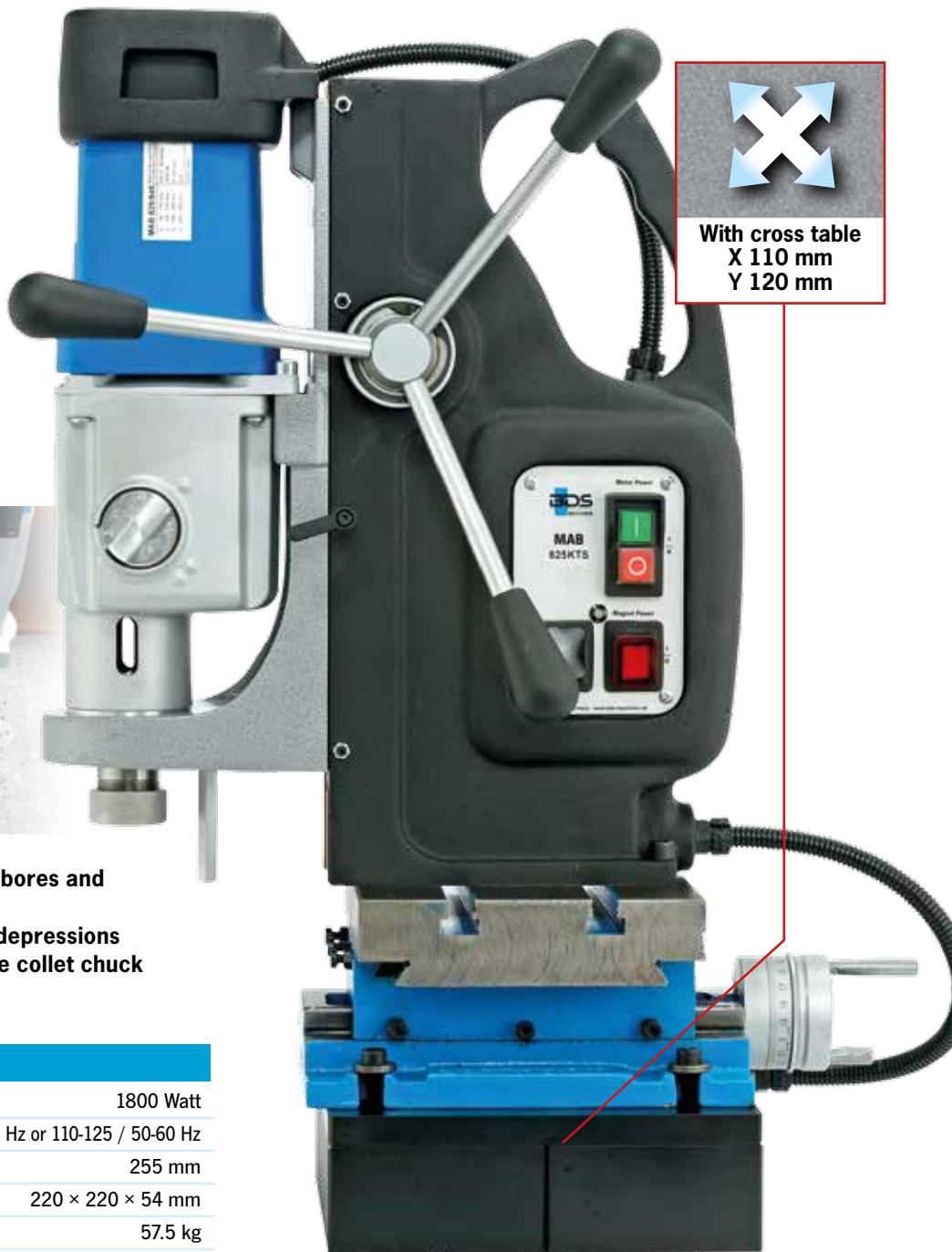


# MAB 825 KTS

Cross table base magnetic drilling & tapping machine.

HEAVY DUTY

VERSATILE



With cross table  
X 110 mm  
Y 120 mm

- ▶ The stable cross table allows for offset bores and hole patterns
- ▶ Light milling to create slotted holes or depressions is possible using the optionally available collet chuck

## MAB 825 KTS

Motor output	1800 Watt
Voltage	230 V / 50-60 Hz or 110-125 / 50-60 Hz
Stroke	255 mm
Magnet dimensions	220 × 220 × 54 mm
Weight	57.5 kg
Industrial arbor	MT 3, 19 mm (3/4")
Industrial arbor	MT 3, 32 mm (1 1/4")
Spindle taper	MT 3
Gear 1 range	40–110 rpm
Gear 2 range	65–175 rpm
Gear 3 range	140–360 rpm
Gear 4 range	220–600 rpm
Torque control	✓
Full wave control electronics	✓
Overheating protection	✓
Clockwise/anticlockwise rotation	✓
Safety clutch	✓
Carbon brush wear indicator	✓
Magnet indicator	✓
Order No.	MAB 825 KTS 230 V
Order No.	MAB 825 KTS 110/125 V

Collet chuck set  
ZSF 316, MT 3, including  
15 collets Ø 3–16 mm



## Included in delivery

MAB 825 KTS magnetic core drilling machine  
Ejector pin ZAK 075 + 090 + 100 + 120  
Ejector drift MT 3  
Industrial arbor MT 3, 19 mm Weldon (3/4")  
Industrial arbor MT 3, 32 mm Weldon (1 1/4")  
Allen key SW 5 + SW 6  
Transport case  
Safety lashing strap  
Operating instructions

Feed	Manual
Core drill	Ø 80 mm L 30/55 mm
Twist drill	Ø 31.75 mm
Countersink	Ø 50 mm
Reamer	Ø 31.75 mm
Thread	Ø max. M30



# MAB 825 V / MAB 845 V

Variable Automatic feed  
and reverse magnetic  
drilling and tapping machine.

## THE POWERFUL ALL-ROUNDER

Full wave  
control electronics

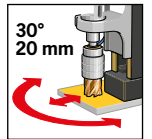
Internal motor cable

4-gear  
oil bath gearbox

Clockwise/  
anticlockwise  
rotation

Automatic feed

MAB 845 V  
with swivel base  
for easy  
positioning  
of the drilling  
centre



- ▶ The automatic feed is connected and disconnected at the cross handle and can be switched on in any position
- ▶ The smoothly adjustable feed speed ensures optimal use of the individual tool inserted

- ▶ The feed is automatically deactivated when the top or bottom end position is reached
- ▶ Additional work is possible at any time by switching to manual operation
- ▶ Safety control shutdown: if the magnet loses its grip the drill and feed motors automatically cut off
- ▶ The machine can also be used with manual feed – and achieve the same performance

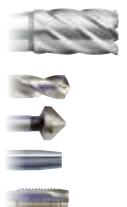
### MAB 825 V / MAB 845 V

Motor output	1800 Watt
Voltage	230 V / 50-60 Hz or 110-125 / 50-60 Hz
Stroke	255 mm
Magnet dimensions	110 × 220 mm
Weight	34 kg
Spindle taper	MT 3
Gear 1 range	40–100 rpm
Gear 2 range	65–175 rpm
Gear 3 range	140–360 rpm
Gear 4 range	220–600 rpm
Torque control	✓
Full wave control electronics	✓
Overheating protection	✓
Clockwise/anticlockwise rotation	✓
Safety clutch	✓
Permanent internal lubrication	✓
Carbon brush wear indicator	✓
Magnetic indicator	✓
Feed	Automatic variable speed
Order No.	MAB 825 V 230 V
Order No.	MAB 825 V 110–125 V
Order No.	MAB 845 V 230 V
Order No.	MAB 845 V 110–125 V

### Included in delivery

- MAB 825 V / MAB 845 V core drilling machine
- Ejector drift MT 3
- Industrial arbor with automatic internal lubrication:  
MT 3/19 Weldon (ZIA 319-KN) and MT 3/32 Weldon (ZIA 332-KN)
- Ejector pin ZAK 075 + 090 + 100 + 120
- Allen key SW 6 + SW 8
- Transport case (not shown)
- Safety lashing strap
- Operating instructions

Feed	Automatic	Manual
Core drill	L 30 / L 55 Ø 12–60 mm	L 30 / L 55 Ø 12–100 mm
Twist drill	Ø 26 mm	Ø 31.75 mm
Countersink		Ø 50 mm
Reamer	Ø 31.75 mm	
Thread		Ø max. M30





# MAB 1300 V

Top performance thanks to superior power delivery. The MAB 1300 V is currently the most powerful magnetic core drilling machine with adjustable automatic feed.

**THE STRONGEST OF THE STRONG!**



Manual drilling



Automatic drilling



► MAB 1300 V features and equipment identical to MAB 825 V / MAB 845 V (see left page)

## MAB 1300 V

Motor output	2300 Watt
Voltage	230 V / 50-60 Hz or 110-125 / 50-60 Hz
Stroke	310 mm
Magnet dimensions	120 × 360 × 65 mm
Weight	51 kg
Spindle taper	MT 4
Gear 1 range	30–80 rpm
Gear 2 range	50–120 rpm
Gear 3 range	130–350 rpm
Gear 4 range	210–550 rpm
Torque control	✓
Full wave control electronics	✓
Overheating protection	✓
Clockwise/anticlockwise rotation	✓
Safety clutch	✓
Permanent internal lubrication	✓
Carbon brush wear indicator	✓
Magnetic indicator	✓
Feed	Automatic variable speed
Order No.	MAB 1300 V 230 V
Order No.	MAB 1300 V 110/125 V

## Included in delivery

- MAB 1300 V magnetic core drilling machine without counter support
- Ejector drift MT 4
- Industrial arbor with automatic internal lubrication: MT 4/19 mm Weldon (ZIA 419-KN) and MT 4/32 mm Weldon (ZIA 432-KN)
- Ejector pin ZAK 075 + 090 + 100 + 120
- Allen key SW 6 + SW 8
- Transport case
- Safety lashing strap
- Operating instructions

Feed	Automatic	Manual
Core drill	L 30 / L 55	L 30 Ø 12–130 mm
	Ø 12–60 mm	L 55 Ø 12–100 mm
	L 110 Ø 20–60 mm	L 110 Ø 20–100 mm
Twist drill	Ø 32 mm	Ø 45 mm
Countersink		Ø 80 mm
Reamer	Ø 50 mm	
Thread		Ø max. M42





# AutoMAB 350



**NEW**

**Drilling with automatic feed.  
Controlled feed, forward and  
return motion.**



Feed is activated when the handles are pressed. The drilling procedure is monitored by the control and the load is indicated by the LED bar. At the end of the drilling procedure, the motor automatically moves back into the zero position.



**Core drill:**

ø: 35 mm  
L: 30 mm  
L: 55 mm

Motor output:	1050 Watt
Voltage:	230 V AC, 50-60 Hz
Stroke:	150 mm
Magnet size:	168 x 84 x 41,5 mm
Weight:	15 kg
Magnet indicator:	Yes

Direct arbor:	19 mm Weldon (3/4")
Speed range 1:	460 min <sup>-1</sup>
Permanent internal lubrication:	●

**AutoMAB 350 230 V**

**AutoMAB 350 110/125 V**



# RailMAB 915

Developed for rail core drilling in the field of signal technology and track construction.

## THE RAIL SPECIALIST



Just 17 kg in weight

Powerful  
1600 Watt motor

Low-wear oil bath  
gearbox

Quick-clamp system

The right adapter for any rail profile

- ▶ High-performance 1600 Watt electric motor
- ▶ 2-gear oil bath gearbox
- ▶ Full wave control electronics
- ▶ Powerful quick-clamp system
- ▶ Special Clamp for clamping and de-clamping in few seconds
- ▶ Self centering of holes thanks to special adapter

RailMAB 915	
Motor output	1600 Watt
Voltage	230 V / 50-60 Hz or 110-125 / 50-60 Hz
Stroke	160 mm
Weight	17 kg
Industrial arbour	19 mm (3/4")
Spindle taper	MT 3
Gear 1 range	70–280 rpm
Gear 2 range	180–580 rpm
Torque control	✓
Full wave control electronics	✓
Overheating protection	✓
Permanent internal lubrication	✓
Coolant	Drilling emulsion
Carbon brush wear indicator	✓
Order No.	RailMAB 915 230 V
Order No.	RailMAB 915 110/125 V

Included in delivery	
RailMAB 915 rail-mounted core drilling machine	
Ejector pin ZAK 075 + 100	
Ejector drift MT 3	
Industrial arbor MT 3, 19 mm Weldon (3/4")	
High-pressure tank, 5 litres	
Reversible ratchet	
Rail adapters of your choice (no custom manufacture)	
Allen key SW 5+6	
Transport case	
Operating instructions	

Feed	Manual
Core drill	Ø 36 mm
	L 30 mm
	L 55 mm





# RailMAB 965

Rail core drilling machine with petrol motor for work that does not depend on having an electrical power supply.

**FULL POWER,  
NO ELECTRICITY  
NEEDED**

Petrol motor  
1.5 kW



Quick-clamp system

- ▶ Does not rely on electrical power supply
- ▶ Powerful 1.5 kW petrol motor
- ▶ Compact design

RailMAB 965	
Motor output	1.5 kW
Motor	Petrol Driven
Displacement	49.4 cm <sup>3</sup>
Torque	3.04 Nm
Stroke	40 mm
Weight	21.5 kg
Direct arbor	19 mm Weldon (3/4")
Gear 1 range	min. 110 rpm max. 280 rpm
Permanent internal lubrication	✔
Coolant	Drilling emulsion
Order No.	RailMAB 965

## Included in delivery

RailMAB 965 rail core drilling machine  
Ejector pin ZAK 075  
High-pressure tank, 5 litres  
Rail adapters of your choice (no custom manufacture)  
Allen key SW 4 + 5 + 6  
Transport case  
Operating instructions

Feed	Manual
Core drill	Ø 36 mm L 30 mm

