




alpha

MAXbor

**ELECTRO
MAGNETIC**
DRILLING MACHINES



MAXimum
POWER

MAXimum
PRECISION

MAXimum
PRODUCTIVITY



DRILLING MACHINES > ANNULAR CUTTERS > BROACH STEP DRILLS

www.maxbor.com.au

Range Overview

MAXBOR

MAXimum
POWER

MAXimum
PRECISION

MAXimum
PRODUCTIVITY

www.maxbor.com.au

MBREVOLP

MAXBOR LOW PROFILE ELECTROMAGNETIC DRILLING SYSTEM

> FULL DETAILS ON PAGE 4



PRODUCT SPECIFICATIONS

Total Power	1100 watt
Magnetic Adhesion	1500 kgs
Speeds	650 rpm (no load)
Cutter Capacity	12mm to 35mm (x25mm)
Size	H 200mm W 101mm D 285mm
Weight	10 kgs

MBREVOC

MAXBOR REVOLUTION COMPACT ELECTROMAGNETIC DRILLING SYSTEM

> FULL DETAILS ON PAGE 5



PRODUCT SPECIFICATIONS

Total Power	670 watt
Magnetic Adhesion	1000 kgs
Speeds	500 rpm (no load)
Cutter Capacity	12mm to 32mm (x25mm)
Drilling Capacity	3mm to 13mm
Size	H 312mm W 115mm D 225mm
Weight	10.7 kgs

MB32COMBI

MAXBOR MB32FRV-C COMBI ELECTROMAGNETIC DRILLING SYSTEM

> FULL DETAILS ON PAGE 9



PRODUCT SPECIFICATIONS

Total Power	770 watt
Motor	720 watt
Magnetic Adhesion	1000 kgs
Speeds	25 - 550 rpm (no load)
Cutter Capacity	12mm to 32mm (x50mm)
Drilling Capacity	3mm to 18mm
Tapping Capacity	M5 to M12
Size	H 300mm W 90mm D 240mm
Travel	165mm
Weight	12.5 kgs

MB45

MAXBOR MB45-C ELECTROMAGNETIC DRILLING SYSTEM

> FULL DETAILS ON PAGE 10



PRODUCT SPECIFICATIONS

Total Power	1200 watt
Motor	1150 watt
Magnetic Adhesion	1500 kgs
Speeds	250 / 450 rpm (load speed)
Cutter Capacity	12mm to 50mm (x50mm)
Drilling Capacity	3mm to 23mm
Arbor	MT2
Size	H 370mm W 115mm D 280mm
Travel	200mm
Weight	20 kgs

MB351L

MAXBOR MB351L ELECTROMAGNETIC DRILLING SYSTEM

> FULL DETAILS ON PAGE 6



PRODUCT SPECIFICATIONS

Power	1100W
Magnetic Adhesion	1700 kgs
Speed	450 / 270 rpm (no load/load)
Cutter Capacity	12 to 35mm (x50mm)
Drilling Capacity	3mm to 13mm
Size	H 350mm W 115mm D 270mm
Travel	200mm
Weight	14 kgs

MB502

MAXBOR MB502 ELECTROMAGNETIC DRILLING SYSTEM

> FULL DETAILS ON PAGE 7



PRODUCT SPECIFICATIONS

Power	1100W
Magnetic Adhesion	1700 kgs
Speed	300 / 180 rpm (no load/load) Speed 1 450 / 270 rpm (no load/load) Speed 2
Cutter Capacity	12 to 50 mm (x50mm)
Drilling Capacity	3mm to 13mm
Size	H 380mm W 115mm D 270mm
Travel	200mm
Weight	15 kgs

MB32

MAXBOR MB32-C ELECTROMAGNETIC DRILLING SYSTEM

> FULL DETAILS ON PAGE 8



PRODUCT SPECIFICATIONS

Total Power	770 watt
Motor	720 watt
Magnetic Adhesion	1000 kgs
Speeds	550 rpm (no load)
Cutter Capacity	12mm to 32mm (x50mm)
Drilling Capacity	3mm to 18mm
Size	H 300mm W 90mm D 240mm
Travel	165mm
Weight	12.5 kgs

MB70

MAXBOR MB70-C ELECTROMAGNETIC DRILLING SYSTEM

> FULL DETAILS ON PAGE 11



PRODUCT SPECIFICATIONS

Total Power	1850 watt
Motor	1800 watt
Magnetic Adhesion	1500 kgs
Speeds	60/140 , 200/470 rpm (load speed)
Cutter Capacity	12mm to 70mm (x50mm)
Drilling Capacity	3mm to 32mm
Tapping Capacity	M5 to M24
Arbor	MT3
Size	H 445mm W 110mm D 330mm
Travel	200mm
Weight	22 kgs

MB70/2

MAXBOR MB70/2-C ELECTROMAGNETIC DRILLING SYSTEM

> FULL DETAILS ON PAGE 12



PRODUCT SPECIFICATIONS

Total Power	1750 watt
Motor	1700 watt
Magnetic Adhesion	1500 kgs
Speeds	120 , 410 rpm (load speed)
Cutter Capacity	12mm to 70mm (x50mm)
Drilling Capacity	3mm to 32mm
Arbor	MT3
Size	H 445mm W 110mm D 330mm
Travel	200mm
Weight	22 kgs

MB100E

MAXBOR MB100E ELECTROMAGNETIC DRILLING SYSTEM

> FULL DETAILS ON PAGE 13



PRODUCT SPECIFICATIONS

Total Power	1750 watt
Motor	1700 watt
Magnetic Adhesion	2000 kgs
Speeds	110,175,245,385 rpm (load speed)
Cutter Capacity	12mm to 100mm (x50mm)
Drilling Capacity	3mm to 32mm
Arbor	MT3
Size	H 480mm W 110mm D 320mm
Travel	280mm
Weight	25 kgs

SWIVEL
BASE
MODEL
AVAILABLE

MAXBOR LOW PROFILE

ELECTROMAGNETIC DRILLING SYSTEM

The Maxbor Low Profile is a powerful, compact machine carefully designed for maximum versatility. With a quick release chuck and a powerful 1100W motor, this drill is ideal for truck body work and other drilling applications with limited access.

Model MBREVOLP

Features include:

- Versatile, lightweight and user friendly
- Ergonomic, user friendly design
- LED light for improved vision
- Quick release chuck
- Removable handle can be fitted on either side
- Improved Dual Core high density magnet for maximum adhesion
- Isolating power relay for improved handling safety
- Free protective carrying case complete with safety strap
- 12 Months Warranty



PRODUCT SPECIFICATIONS

Total Power	1100 watt
Magnetic Adhesion	1500 kgs
Speeds	650 rpm (no load)
Cutter Capacity	12mm to 35mm x 25mm depth
Size	H 200mm W 101mm D 285mm
Weight	10 kgs



SINGLE SPEED



Ø 3-13mm



Ø 12-32mm

REVOLUTION COMPACT

ELECTROMAGNETIC DRILLING SYSTEM

The Revolution Compact uses the very latest technology for a reliable and surprisingly powerful magnetic drilling system, the top performer in the workshop or on site when you need to tackle jobs that call for lighter duty work needing quality performance you can rely on.

Model MBREVOC

Features include:

- Versatile, lightweight and user friendly power unit
- Internal spindle coolant system
- Ergonomic, user friendly design
- Free 13mm chuck
- Cutter Guard
- Dual carry handles
- Reversible handle for use in restricted conditions
- Improved Dual Core high density magnet for maximum adhesion
- Corrosion resistant, tangle-free cable from stand to drill unit
- Isolating power relay for improved handling safety
- Free protective carrying case complete with safety strap, safety guard and folding hex key set
- Quality product – Made in Sheffield, England
- 12 Months Warranty



PRODUCT SPECIFICATIONS

Total Power	670 watt
Magnetic Adhesion	1000 kgs
Speeds	500 rpm (no load)
Cutter Capacity	12mm to 32mm x 25mm depth
Drilling Capacity	3mm to 13mm
Size	H 312mm W 115mm D 225mm
Weight	10.7 kgs



SINGLE SPEED



Ø 3-13mm



Ø 12-35mm

MB351L

ELECTROMAGNETIC DRILLING SYSTEM

The MB351 is a value packed electromagnetic drilling machine for light to medium duty applications, with a quick release arbor and coolant system standard. Variable height slide for twist drilling applications.

Model MB351L

Features include:

- Powerful 1100W motor
- Quick release arbor
- Complete external coolant system
- Carry Handle
- Adjustable motor slide height for jobber drills
- Adjustable brass dovetail slides
- Dual Core high density magnet for maximum adhesion
- Chip guard kit
- Safety chain
- Protective carry case and hex keys
- Overload protection
- 12 months warranty



PRODUCT SPECIFICATIONS

Power	1100W
Magnetic Adhesion	1700 kgs
Speed	450 / 270 rpm (no load/load)
Cutter Capacity	12 to 35mm (x50mm)
Drilling Capacity	3mm to 13mm
Size	H 350mm W 115mm D 270mm
Travel	200mm
Weight	14 kgs



2 SPEED



Ø 3-13mm



Ø 12-50mm

MB502

ELECTROMAGNETIC DRILLING SYSTEM

A compact, powerful and versatile medium duty electromagnetic drill, with a quick release arbor and external coolant system as standard. Variable height slide for twist drilling applications.

Model MB502

Features include:

- Powerful 1100W motor
- Quick release arbor
- Complete external coolant system
- Carry Handle
- Adjustable motor slide height for jobber drills
- Adjustable brass dovetail slides
- Dual Core high density magnet for maximum adhesion
- Chip guard kit
- Safety chain
- Protective carry case and hex keys
- Overload protection
- 12 months warranty

PRODUCT SPECIFICATIONS

Power	1100W
Magnetic Adhesion	1700 kgs
Speed	300 / 180 rpm (no load/load) Speed 1 450 / 270 rpm (no load/load) Speed 2
Cutter Capacity	12 to 50 mm (x50mm)
Drilling Capacity	3mm to 13mm
Size	H 380mm W 115mm D 270mm
Travel	200mm
Weight	15 kgs





SINGLE SPEED



Ø 3-18mm



Ø 12-32mm

MB32

ELECTROMAGNETIC DRILLING SYSTEM

The Maxbor MB32 has been ergonomically designed to provide an electromagnetic drilling machine that is totally user friendly with an excellent power to weight ratio.

Model MB32 (internal spindle coolant) Model MB32-C (external coolant system)

Features include:

- Fitted with tried and proven HITACHI D13 power unit
- Free 13mm chuck
- Complete external coolant system available
- Ergonomic, user friendly design
- Cutter Guard
- Dual carry handles
- Reversible handle for use in restricted conditions
- Improved Dual Core high density magnet for maximum adhesion
- Corrosion resistant, tangle-free cable from stand to drill unit
- Isolating power relay for improved handling safety
- Free protective carrying case complete with safety strap, safety guard and folding hex key set
- Quality product – Made in Sheffield, England
- 12 Months Warranty

PRODUCT SPECIFICATIONS

Total Power	770 watt
Motor	720 watt
Magnetic Adhesion	1000 kgs
Speeds	550 rpm (no load)
Cutter Capacity	12mm to 32mm (x50mm)
Drilling Capacity	3mm to 18mm
Size	H 300mm W 90mm D 240mm
Travel	165mm
Weight	12.5 kgs

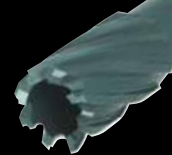




VARIABLE SPEED



Ø 3-18mm



Ø 12-32mm



M5-M12

MB32COMBI

ELECTROMAGNETIC DRILLING SYSTEM

The MB32 Combi has the same excellent power to weight ratio as the MB32. In addition it has forward, reverse and variable speed as standard providing a choice of tapping, cutting and drilling capabilities.

Model MB32FRV-C

Features include:

- Fitted with tried and proven HITACHI D13 power unit
- Forward and reverse
- Variable speed
- Suitable for tapping applications
- Free 13mm chuck
- Complete external coolant system
- Cutter guard
- Ergonomic, user friendly design
- Dual carry handles
- Reversible handle for use in restricted conditions
- Improved Dual Core high density magnet for maximum adhesion
- Corrosion resistant, tangle-free cable from stand to drill unit
- Isolating power relay for improved handling safety
- Free protective carrying case complete with safety strap, safety guard and folding hex key set
- Quality product – Made in Sheffield, England
- 12 Months Warranty

PRODUCT SPECIFICATIONS

Total Power	770 watt
Motor	720 watt
Magnetic Adhesion	1000 kgs
Speeds	25 - 550 rpm (no load)
Cutter Capacity	12mm to 32mm (x50mm)
Drilling Capacity	3mm to 18mm
Tapping Capacity	M5 to M12
Size	H 300mm W 90mm D 240mm
Travel	165mm
Weight	12.5 kgs





2 SPEED



Ø 3-23mm



Ø 12-50mm

MB45-C

ELECTROMAGNETIC DRILLING SYSTEM

The cutting capacity to weight ratio of the Maxbor MB45 complements the MB32 but adds more cutting power. The relatively light overall weight of the MB45 disguises the cutting and drilling power normally associated with a much heavier machine.

Model MB45-C

Features include:

- Fitted with tried and proven EIBENSTOCK 2 speed power unit
- Cutter guard
- Complete external coolant system
- Ergonomic, user friendly design
- Dual carry handles
- Reversible handle for use in restricted conditions
- Improved Dual Core high density magnet for maximum adhesion
- Corrosion resistant, tangle-free cable from stand to drill unit
- Isolating power relay for improved handling safety
- Free protective carrying case complete with safety strap, safety guard and folding hex key set
- Quality product – Made in Sheffield, England
- 12 Months Warranty

PRODUCT SPECIFICATIONS

Total Power	1200 watt
Motor	1150 watt
Magnetic Adhesion	1500 kgs
Speeds	250 / 450 rpm (load speed)
Cutter Capacity	12mm to 50mm (x50mm)
Drilling Capacity	3mm to 23mm
Arbor	MT2
Size	H 370mm W 115mm D 280mm
Travel	200mm
Weight	20 kgs





VARIABLE SPEED



Ø 3-32mm



Ø 12-70mm



M5-M24

MB70-C

ELECTROMAGNETIC DRILLING SYSTEM

Carefully designed to guarantee enhanced power and versatility, the MB70 is a proven, powerful performer and still portable enough to be used on-site or in the workshop, providing the perfect solution to even the most difficult of drilling applications. The MB70 incorporates a reversible, variable speed motor allowing it to be readily used for tapping applications.

Model MB70-C

Features include:

- Fitted with tried and proven EIBENSTOCK soft start power unit
- Infinitely variable speed
- Forward and reverse facility
- Suitable for tapping applications
- Constant torque
- Electro-torque control
- Mechanical clutch
- Cutter guard
- Complete external coolant system
- Ergonomic, user friendly design
- Dual carry handles
- Reversible handle for use in restricted conditions
- Improved Dual Core high density magnet for maximum adhesion
- Corrosion resistant, tangle-free cable from stand to drill unit
- Isolating power relay for improved handling safety
- Free protective carrying case complete with safety strap, safety guard and folding hex key set
- Quality product – Made in Sheffield, England
- 12 Months Warranty

PRODUCT SPECIFICATIONS

Total Power	1850 watt
Motor	1800 watt
Magnetic Adhesion	1500 kgs
Speeds	60-140 / 200-470 rpm (load speed)
Cutter Capacity	12mm to 70mm (x50mm)
Drilling Capacity	3mm to 32mm
Tapping Capacity	M5 to M24
Arbor	MT3
Size	H 445mm W 110mm D 330mm
Travel	200mm
Weight	22 kgs





2 SPEED



Ø 3-32mm



Ø 12-70mm

MB70/2-C

ELECTROMAGNETIC DRILLING SYSTEM

The Maxbor MB70/2 is a workhorse that brings all the drilling capacity of the MB70 to applications that do not require the full range of professional variations.

Model MB70/2-C

Features include:

- Fitted with tried and proven EIBENSTOCK power unit
- Complete external coolant system
- Cutter guard
- Ergonomic, user friendly design
- Dual carry handles
- Reversible handle for use in restricted conditions
- Improved Dual Core high density magnet for maximum adhesion
- Corrosion resistant, tangle-free cable from stand to drill unit
- Isolating power relay for improved handling safety
- Free protective carrying case complete with safety strap, safety guard and folding hex key set
- Quality product – Made in Sheffield, England
- 12 Months Warranty

PRODUCT SPECIFICATIONS

Total Power	1750 watt
Motor	1700 watt
Magnetic Adhesion	1500 kgs
Speeds	120 , 410 rpm (load speed)
Cutter Capacity	12mm to 70mm (x50mm)
Drilling Capacity	3mm to 32mm
Arbor	MT3
Size	H 445mm W 110mm D 330mm
Travel	200mm
Weight	22 kgs





4 SPEED



Ø 3-32mm



Ø 12-100mm

MB100E-C

ELECTROMAGNETIC DRILLING SYSTEM

The Maxbor MB100E is a more powerful machine and with a low spindle speed of 110rpm can be very useful on large cutter/ difficult applications. The swivel based option provides convenience and practicality in allowing precise positioning of the cutter, whilst the weight is taken by the powerful magnet.

Models: MB100E-C and MB100ESW-C Swivel Base

Features include:

- Fitted with tried and proven EIBENSTOCK power unit
- Unique cutting capacity of 100mm plus
- Cutter guard
- Complete external coolant system
- Ergonomic, user friendly design
- Dual carry handles
- Reversible handle for use in restricted conditions
- Improved Dual Core high density magnet for maximum adhesion
- Corrosion resistant, tangle-free cable from stand to drill unit
- Isolating power relay for improved handling safety
- Free protective carrying case complete with safety strap, safety guard and folding hex key set
- Quality product – Made in Sheffield, England
- 12 Months Warranty
- Swivel base option available, allows movement of the machine's body through 260° and a lateral movement of 22mm

PRODUCT SPECIFICATIONS

Total Power	1750 watt
Motor	1700 watt
Magnetic Adhesion	2000 kgs
Speeds	110,175,245,385 rpm (load speed)
Cutter Capacity	12mm to 100mm (x50mm)
Drilling Capacity	3mm to 32mm
Arbor	MT3
Size	H 480mm W 110mm D 320mm
Travel	280mm
Weight	25 kgs



MAXbor



ANNULAR CUTTERS

- > Multi-fit shank
- > Premium HSS Cutter
- > Alternate tooth geometry
- > Superior performance
- > Improved wear resistance



SIZE RANGE: _____
 25mm cutting depth – 12mm to 52mm – Dia
 50mm cutting depth – 12mm to 65mm – Dia
 Larger non-stock sizes available on request.



Every cutter is packed in a protective hang tube with cutting speed info for easy reference!

* Maxbor Annular cutters last 2X longer than standard HSS cutters.

MAXbor ACCESSORIES



Magnetic Chip Collector
Code: MB-MCC



1-1/4" - MT3 Cutter Arbor.
Code: MB-CA114
Suits large diameter cutters with 1-1/4" shank size



Drill Chuck
Code: MB-CHUCK12
1/2" (13mm) drill chuck and key



Chuck Adaptor
Code: MB-CA12
Adapter for 1/2" chuck, Weldon shank.

ANNULAR CUTTERS SETS

8 piece set available in
25mm and 50mm cutting depth

12, 14, 16, 18, 22, 26mm
Annular Cutters
plus Reduced Head and
Standard Ejection Pins

Code: CHSSSET25-8 – 25mm cutter depth

Code: CHSSSET50-8 – 50mm cutter depth



* Maxbor Annular cutters last 2X longer than standard HSS cutters.

BROACH STEP DRILLS

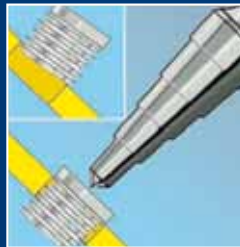
For use in:

- General Engineering and Metal Fabrication
- Bridge and Highway maintenance
- Truck and Trailer manufacturing
- Construction and Railways
- Ship Building and Offshore Rigs
- Elevator Repair

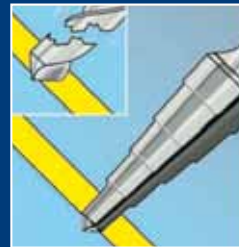
5 sizes available:

- 8-16mm • (5 step – 8, 10, 12, 14, 16mm)
- 10-18mm • (5 step – 10, 12, 14, 16, 18mm)
- 20-28mm • (5 step – 20, 22, 24, 26, 28mm)
- 30-38mm • (5 step – 30, 32, 34, 36, 38mm)
- 40-48mm • (5 step – 40, 42, 44, 46, 48mm)

Maximum material thickness for
all sizes – 12mm



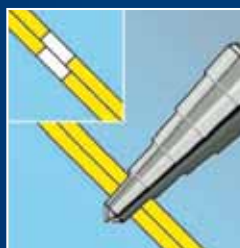
Easy to enlarge holes



Increased rigidity



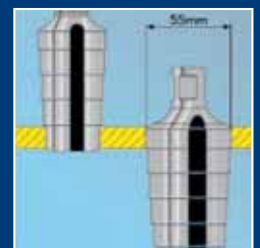
3 or 5 drill sizes on 1 tool



Rectify out of line holes



Drill through several stacked plates



Increased maximum diameter capability of drilling machine


alpha



MAXbor

LUBRICANTS

SUPERCUT 1000

High Oil Content Modern Water-Mix Coolant

Supercut 1000 is water emulsive and forms a stable rich, milky white non staining emulsion of low odour and good corrosion resistance.

Suitable for a wide variety of applications including turning, drilling, milling, boring and shaping. Causes no irritation to the skin.

No smoke development and no coagulation.

Recommended Concentration:

General Machining 5% Typical > Ferrous Grinding 4% typical

Code: SBL005 – 5 ltr

Code: SBL010 – 10 ltr

Code: SBL020 – 20 ltr



MCT LIQUID

Extreme pressure metal cutting fluid for all slow speed machining including reaming, tapping, threading, drilling, broaching and sawing applications.

Improves tool life and surface finish and permits faster material removal.

Excellent for blind hole applications and for use with die boxes.

Apply directly to drills, taps, reaming and other stationary cutting tools.

Code: MCL500 – 500ml

Code: MCL005 – 5 ltr



www.alphagold.com.au • www.maxbor.com.au

MSDS for these products available on request

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SHEFFIELD BLADES