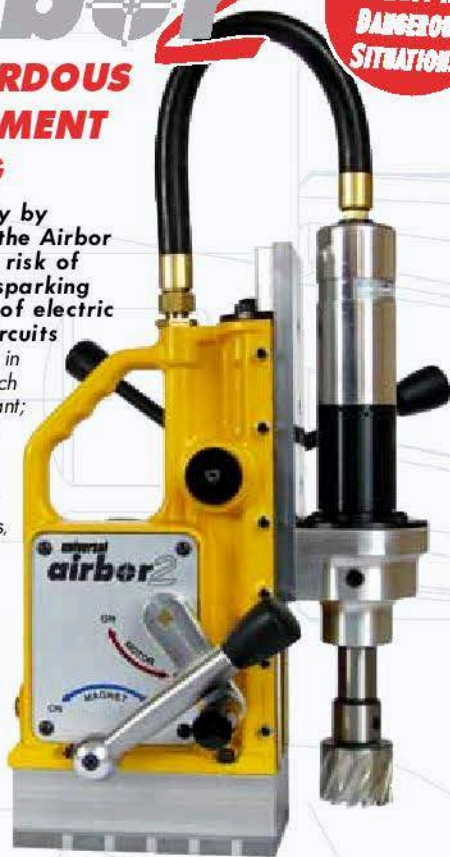


airbor²

for HAZARDOUS ENVIRONMENT DRILLING

Powered entirely by compressed air, the Airbor 2 eliminates the risk of explosion from sparking and the danger of electric shock & short circuits due to moisture, in specialised areas such as petrochemical plant; offshore oil and gas facilities; mining; shipyard & marine, mineral and powder processing industries, etc.,



MAXIMUM SAFETY IN DANGEROUS SITUATIONS!

FEATURES

- Failsafe Permanent Magnet
- Air Powered
- 50mm (2") Cutting capacity
- Powerful motor
- Anti-spark, anti-static construction
- Light weight
- Integrated 'through-tool' coolant system
- Safety interlock

UNIAIR

SPECIFICATIONS

Cutter capacity	- 12 - 50mm
Chuck Capacity	- 13mm (with chuck adapter)
'No load' speed	- 400 rpm
Air consumption	- 30cfm (850 LPM)
Air pressure	- 92 psi (6.3 bar)
Clamping force	- 650kg
Magnet footprint	- 160 x 100mm
L x H x W (mm)	- 260 x 500 x 300
Standard air inlet	- 3/8" BSP female thread (other options available)
Weight	- 13 kg

INCLUDES: Warranty, Carrying case, Hex keys, Safety strap, Safety guard, Oil Bottle, Cutting Oil

hydrobor

for UNDERWATER DRILLING

Designed and developed for the particular needs of underwater engineering specialists, this unique machine uses hydraulic power and a special mechanically switched magnet to bring the accuracy and performance of bench drills to underwater workpieces.

Capable of drilling clean, accurate holes up to 60mm diameter in metal up to 50mm thick, the hydrobor uses well-proven broaching cutter technology to maximise potential drilling power and speed.



HYDROBOR HUW150

SPECIFICATIONS

Cutter capacity	- 12 - 60mm
Stroke	- 160mm
Max inlet pressure	- 3250 psi (224bar)
Clamping force	- 550kg
Speed	- 50 - 400 rpm (Flow rate dependent)
Motor flow rate	- 10 lit/m - 40 lit/m (min/max)
L x H x W (mm)	- 330 x 420 - 580 x 225mm
Weight	- approx 21kg

ALSO INCLUDES: Warranty, Carrying case, Hex keys, Safety strap, Safety guard, Oil Bottle, Cutting Oil



unibor

UA5000 AUTOFEED

Combining the well proven Unibor electro-magnetic and hole cutting technologies with an automatic load-sensing powered feed system, the Unibor Autofeed machine adjusts the speed of advance of the cutter into the workpiece to achieve the ideal balance of optimum cutting speed and maximum tool life.



INCREASES PRODUCTIVITY IN THE WORKSHOP OR ON SITE

FEATURES

- Electronic load sensing.
- Automatic feed control to suit cutter size & workpiece.
- Depth limiting switches.
- Built in motion sensor.
- Slow start feed.
- Automatic stop.
- Integrated coolant system with auto shut-off.
- Roller bearing arbor support.
- 4 level Fail-Safe protection.

BENEFITS

- Longer cutter life because of optimal feed & speed.
- Higher efficiency - one operator can use multiple machines simultaneously.
- Ideal for volume drilling.
- Easy to use, no drilling experience required.

UNIBOR UA5000

SPECIFICATIONS

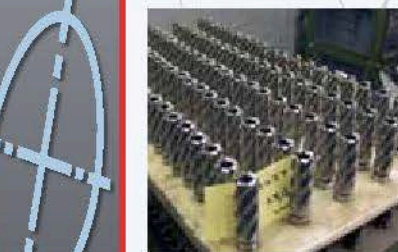
Cutter capacity	- 12 - 50mm
No load speeds	- 350/650 rpm
Power consumption	- 1150w
Clamping force	- 720kg
Size (L/W/H)	- 330 x 268 x 565mm
Weight	- 21 kg
Voltage	- 110 or 240v

ALSO INCLUDES:

Warranty, Carrying case, Hex keys, Safety strap, Safety guard, Cutting Oil

uniber

BROACHING CUTTERS



uniber high speed steel cutters are available in two standard cutting depths – 30mm and 50mm, in diameters of 12 to 100mm in 1mm increments. Specifically designed for use with the Uniber range of electro-magnetic drilling machines, the cutters also deliver extra capacity and performance in other machine tools.

Carefully made in M2 high speed steel and M42 cobalt steel on the very latest CNC machines for consistent quality and continuity of production, larger diameter and longer cutters can be made to order along with specials for particular applications, or more specialised industrial cutters.

Cutters can also be produced with a wide variety of specialised performance enhancing treatments and cosmetic coatings.



Standard cutter kit



Special treatments/coatings
for superior wear resistance



Bespoke/special purpose cutters
designed and made to solve specific problems

FLUTE DEPTH

PARALLEL
HELIX

R

MACHINES & SPECIFICATIONS

unibor EQ35N

Cutter capacity - 12 - 35mm
Twist drill capacity - 13mm
Chuck capacity - 1/2" (special adapter)
Rated speed - 450 rpm
Power consumption - 1100w
Clamping force - 5880N (600kg)
Length - 240mm. Height - 350mm
Width - 150mm. Weight - 11.5 kg
Voltage - 110 or 230v

ALSO INCLUDES: Integral lubrication system,
Warranty, Carrying case, Allen keys,
Safety strap & guard, Cutting Oil



unibor EQ50

Cutter capacity - 12 - 50mm
Twist drill capacity - 19mm (No 2 MT)
Chuck capacity - 5/8"
Speed ranges - 280/500 rpm
Power consumption - 1150w
Clamping force - 9300N (950kg)
Length - 290mm. Height - 458mm
Width - 105mm. Weight - 18.5kg
Voltage - 110 or 230v

ALSO INCLUDES: Integral lubrication system,
Warranty, Carry case, Allen keys, Safety strap &
guard, Cutting Oil

(Note: The safety guards and oil feed
systems included with the machines are
not shown in the photographs)



unibor EQ100

Cutter capacity - 12 - 100mm
Twist drill capacity - 32mm (No 3 MT)
Chuck capacity - 3/4"
Speed ranges - 40-130/145-430 rpm
Power consumption - 1850w
Clamping force - 18,150N (1860kg)
Length - 375mm. Height - 505mm
Width - 130mm. Weight - 26 kg
Voltage - 110 or 230v

ALSO INCLUDES: Integral lubrication system,
Warranty, Carry case, Allen keys,
Safety strap & guard, Cutting Oil

The EQ100S features a base which swivels
through 100° for access in difficult areas.



unibor A100



FEATURES:-

- Powerful 4 speed AEG motor.
- 100mm cutter capacity
- Integral lubrication system.
- Safety interlocked electronic controls.
- High power magnet for maximum stability.

Specifications

Cutter capacity - 12 - 100mm
Twist drill capacity - 32mm (No 3 MT)
Chuck capacity - 5/8"
Speed ranges - 220/260/350/420 rpm
Power consumption - 1200w
Clamping force - 1860kg
Length - 320mm Height - 500mm
Width - 135mm Weight - 25 kg
Voltage - 110 or 230v

ALSO INCLUDES: Warranty, Carrying case, Integral
oil feed, Allen keys, Safety strap & guard, Cutting
Oil.

The A100S features a base which swivels through 100°
for access in difficult areas.

unitap

DRILLING AND TAPPING SYSTEM



Tapping adapters
available as optional
extras.

Clutched collets
available for
blind holes.

Ask about
combined drills
and taps.

FEATURES

- Taps up to 24mm (No.2 tap chuck)
- Taps up to 30mm (No.3 tap chuck)
- Electronic reversing control
- Powerful 4 speed motor
- Drills up to 100mm diameter
- No.3 Morse taper fitting

N.B. Tapping adapters are not included.

Specifications

Cutter capacity - 12 - 100mm
Twist drill capacity - 32mm (No 3 MT)
Tapping capacity - 30mm
Speed ranges - 220/260/350/420 rpm
Power consumption - 1200w
Clamping force - 1860kg
Length - 320mm Height - 500mm
Width - 135mm Weight - 25 kg
Voltage - 110 or 230v
ALSO INCLUDES: Warranty, Carrying case, Integral
oil feed, Allen keys, Safety strap & guard, Cutting
Oil.

Based on the highly successful unibor A100
and utilising a very powerful and reliable
AEG motor unit, the **unitap** provides the
complete solution for fast and accurate drilling
and tapping of holes up to 30mm diameter.

unibor

HOLE CUTTING SYSTEMS

Unibor electro-magnetic drilling machines and broaching
cutters have been designed, developed and manufactured
to the very highest standards to provide users with a
powerful, portable and cost effective solution to hole
cutting problems, both on site and in the workshop.

There are Unibor machines and cutters to suit all kinds of hole
cutting requirements and specials can be developed for specific
engineering problems.



Please call for free technical help and advice!

YOUR LOCAL DISTRIBUTOR

Main Power Hydraulics Machinery Co.

明力油壓機械工程

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Tel: (852) 26903509

Fax: (852) 26903505

E-mail: sales@mainpowerhyd.com

Homepage: <http://www.mainpowerhyd.com>



MACHINE RANGE SUMMARY



Unibor H32

FEATURES:

- Compact, Light & Portable
- Powerful **HITACHI** Motor
- Easy change from broaching to twist drilling

SPECIFICATIONS:

Cutter capacity: 12 - 32mm
Twist drill capacity: 13mm
Chuck capacity: 1/2"
No load speed: 550 rpm
Stroke: 135mm
Power consumption: 720w

Clamping force: 7845N (800kg)
Length: 300mm
Height: 330mm
Width: 125mm (185mm inc. handle)
Magnet footprint: 160 x 80mm
Weight: 11.2 kg
Voltage: 110 or 220-240v

INCLUDES: Warranty, Carrying case, Allen keys, Safety strap & guard, Cutting Oil.



Unibor EQ35N

FEATURES:

- Powerful new hi-torque motor
- Integral QuickHitch arbor (can also be supplied with a standard arbor)
- Automatic integral oilfeed

SPECIFICATIONS:

Cutter capacity: 12 - 35mm
Twist drill capacity: 13mm (stub drill)
Chuck capacity: 1/2" (adapter)
No load speed: 450 rpm
Stroke: 156mm
Power consumption: 1100w
Clamping force: 7845N (800kg)

Length: 290mm
Height: 350mm
Width: 125mm (185mm inc. handle)
Magnet footprint: 160 x 80mm
Weight: 11.5 kg
Voltage: 110 or 220-240v

INCLUDES: Integral oilfeed system, Warranty, Carrying case, Allen keys, Safety strap & guard, Cutting Oil.



Unibor EQ50

FEATURES:

- QuickHitch 2MT arbor
- 2 geared speeds
- Automatic integral oilfeed

SPECIFICATIONS:

Cutter capacity: 12 - 50mm
Twist drill capacity: 19mm (No 2 MT)
Chuck capacity: 5/8"
No load speeds: 280/500 rpm
Stroke: 106mm
Power consumption: 1150w
Clamping force: 9300N (950kg)

Length: 350mm
Height: 460mm
Width: 125mm (185mm inc. handle)
Magnet footprint: 180 x 100mm
Weight: 18.5 kg
Voltage: 110 or 220-240v

INCLUDES: Integral oilfeed system, Warranty, Carrying case, Allen keys, Safety strap & guard, Cutting Oil.



Unibor EQ100

FEATURES:

- QuickHitch 3MT arbor
- 2 variable speeds
- Overload protection
- Automatic integral lubrication

The **EQ100S** features a base which swivels through 100 degrees for access in difficult areas.

SPECIFICATIONS:

Cutter capacity: 12 - 100mm
Twist drill capacity: 32mm (No 3 MT)
Chuck capacity: 3/4"
No load speeds: 50-130/160-450 rpm
Stroke: 240mm
Power consumption: 1850w
Clamping force: 18,150N (1860kg)

Length: 360mm
Height: 500mm
Width: 145mm (260mm inc. handle)
Magnet footprint: 220 x 110mm
Weight: 26 kg
Voltage: 110 or 220-240v

INCLUDES: Integral oilfeed system, Warranty, Carrying case, Allen keys, Safety strap & guard, Cutting Oil.



Unibor A100

FEATURES:

- Powerful 4 speed AEG motor
- 3MT arbor
- Safety interlocked controls.

SPECIFICATIONS:

Cutter capacity: 12 - 100mm
Twist drill capacity: 32mm (No 3 MT)
Chuck capacity: 5/8"
No load speeds(rpm): 220/260/350/420
Power consumption: 1200w
Stroke: 135mm
Clamping force: 18,150N (1860kg)

Length: 360mm
Height: 500mm
Width: 145mm (260mm inc. handle)
Magnet footprint: 220 x 110mm
Weight: 25 kg
Voltage: 220-240v only

INCLUDES: Warranty, Carrying case, Allen keys, Safety strap & guard, Cutting Oil.

The **A100S** features a base which swivels through 100 degrees for access in difficult areas.

Unibor E100PLUS (& E100FRPLUS)

STANDARD FEATURES:

- Powerful new UNI 4 motor
- Cuts up to 130mm dia.
- 4 geared speeds
- No 3 MT arbor
- New solid state controls

FR (FORWARD/REVERSE) FEATURES:

- Tapping capacity up to 30mm diameter (attachments are extra)

INCLUDES: Integral oilfeed system, Warranty, Carrying case, Allen keys, Safety strap & guard, Cutting Oil.

NEW

SPECIFICATIONS:

Cutter capacity:	12 - 130mm
Twist drill capacity:	32mm (No 3 MT)
Chuck capacity:	3/4"
Stroke:	235mm
Rated speeds:	110/175/245/385 rpm
Power consumption:	1750w
Clamping force:	18,150N (1860kg)
L x H x W:	360 x 540 x 150mm
Magnet footprint:	220 x 110mm
Weight:	26 kg
Voltage:	110 or 220-240v

Unibor LP40

FEATURES:

- Low Profile - Max. height 195mm
- Easy access rear-mounted controls
- Ratchet drive switches to either side
- Light weight - only 13kg

SPECIFICATIONS:

Cutter capacity:	12 - 40mm	Length:	400mm
Stroke:	50mm	Height:	195mm
Rated speed:	320 rpm	Width:	120mm (145mm inc. ratchet)
Power consumption:	1300w	Magnet footprint:	215 x 100mm
Clamping force:	7650N (780kg)	Weight:	13.2 kg
		Voltage:	110 or 220-240v

INCLUDES: Warranty, Carrying case, Allen keys, Safety strap, Cutting Oil.

Airbor 2

FEATURES:

- Failsafe Permanent Magnet
- Powerful air driven motor
- Anti-spark, anti-static construction
- Light weight
- Integrated coolant system
- Safety interlock

SPECIFICATIONS:

Cutter capacity:	12 - 50mm	Length:	260mm
Chuck capacity:	1/2" (adapter)	Height:	490mm
No load speed:	400 rpm	Width:	190mm (260mm inc. handle)
Air consumption:	30 cfm	Magnet footprint:	160 x 100mm
Air pressure:	6.3bar	Weight:	13 kg
Clamping force:	6375N (650kg)	Standard air inlet:	3/8" BSP female thread
Stroke:	120mm		

INCLUDES: Warranty, Carrying case, Allen keys, Safety strap & guard, Cutting Oil.

Unibor HUW150 Hydrobor

FEATURES:

- Hydraulically powered for underwater drilling
- Mechanically switched magnet

INCLUDES:

Warranty, Carrying case, Allen keys, Safety strap, Cutting Oil.

SPECIFICATIONS:

Cutter capacity:	12 - 60mm
Stroke:	160mm
Max inlet pressure:	3250 psi (224bar)
Clamping force:	5395N (650kg)
Speed:	50 - 400 rpm (flow rate dependent)
Motor flow rate:	10 - 50 lit/m (min/max)
Length:	380mm
Height:	500mm
Width:	185mm (260mm inc. handle)
Weight:	21 kg

Unibor UA5000 Autofeed

FEATURES:

- Electronic load sensing
- Automatic feed control
- Depth limiting switches
- Built in motion sensor
- Slow start feed & automatic stop
- Integrated oilfeed with auto shut-off
- Roller bearing arbor support
- 4 Level fail-safe protection

SPECIFICATIONS:

Cutter capacity:	12 - 50mm	Clamping force:	8825N (900kg)
Twist drill capacity:	19mm (No 2 MT)	Length:	335mm
Chuck capacity:	5/8"	Height:	510mm
Stroke:	75mm	Width:	145mm (260mm inc. handle)
No load speeds:	280/500 rpm	Magnet footprint:	290 x 100mm
Power consumption:	1150w	Weight:	18.5 kg
		Voltage:	110 or 220-240v

INCLUDES: Integral lubrication system, Warranty, Carrying case, Allen keys, Safety strap & guard, Cutting Oil.

**www.
unibor
.com**



Made in Sheffield, England by

universal
Drilling & Cutting
EQUIPMENT LIMITED

A NITTO KOHKI COMPANY

Authorized Distributor

Main Power Hydraulics Machinery Co.

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E-mail: sales@mainpowerhyd.com

Homepage: <http://www.mainpowerhyd.com>

E40FR Features

- Integral arbor support for precise cuts
- Solid state electronic control panel for rugged, reliable service in all conditions
- Supplied coolant system provides smooth, accurate cuts
- At 41 pounds, the unit is easily handled no matter what the job.
- Quick conversion to twist drilling.
- Model EQ40FR is a reversible unit.

Drill Capacity DIAMETER



Technical Specifications *Pertains to E40FR Model

Motor Type	Eibenstock UNI-II, 2 Gear *Var. Speed, Reversible
Horse Power	1.47HP
Watts/Amps	1100W / 10AMPS
Motor Speed (RPM)	50-280 / 180-450
Capacity-Annular Cutters (in)	2" / 50mm
Tapping Capacity	5/8" / M16
Capacity-Twist Drills (in)	3/4" / 19mm
Height (down position)	17 1/2" / 447mm
Stroke	6 5/8"
Magnet Dim. (W x H x L)	4" x 2 3/8" x 7 1/8"
Magnet Push Off Test	1999lbs / 907kgs Minimum
Weight	41.8lbs / 19kgs
Arbor Type	2 Morse Taper Quick-Hitch *2MT side lock arbor

Accessories (sold separately)

- 3-Jaw Chuck, P-CHUC04

P-CHUC04
(shown, comes with 5/8" chuck and key,
2 Morse Taper arbor)



What's in the Box?

Drilling Guide, Warranty Card, Handles, Coolant Bottle
(w/eco-friendly coolant and hose), coolant bottle assembly,
safety strap, Drill and carrying case