

# MAGNETIC DRILLING SOLUTIONS



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Specialists in Portable Magnetic Drilling Solutions and Metal Fabricating Equipment

## miniBEAST



### Magnetic Drilling Machine

Compact and powerful, ideal for site or workshop use

#### Features:

- JEI's flagship machine now with a new 1010 watt motor providing an updated capacity of 35mm
- Light weight, only 10kg
- Internal coolant reservoir, ensuring maximum cutter life
- Self correcting slide rails, for maintenance free operation
- hidden motor cable, for added protection
- Now with a new fixed guard

£309 + VAT

## miniBEAST



### LP35+

### Ultra Low Profile Magnetic Drilling

#### Features:

- Ultra Low fixes working height, 176mm
- Extremely low weight, 9.5kg
- Positive quill drive for close tolerance holes
- Integrated safety guard
- Lifting handle for easy transportation
- Detachable feed ratchet handle can be fixed from either Left or Right side

£649 + VAT

#### SPECIFICATIONS

MODEL	MiniBeast LP35 +
Weight	Metric
Maximum Drilling Diameter	36mm diameter with Annular Cutter (HSS & TCT) 12mm diameter with Short Series Twist Drill on 19mm Shank
Maximum Drilling Depth	20mm depth with HSS Annular Cutter & Short Series Twist Drill * 30mm depth with TCT Annular Cutter
Motor	920 watts
Power Consumption	1000 watts
Height	176mm
Length	380mm
Magnetic Base Dimensions	90 x 180 x 38.5mm
Stroke	39mm
Magnetic Clamping Force	8,900 N
Min. Workpiece Thickness	6mm
RPM (underload)	370 RPM For 230v Machine 350RPM For 115V Machine
Voltage	110v or 220v

\* Up to 30mm when used with an optional long quill assembly

## MAGBEAST®



### HM40EX

### NEW Lightweight & Powerful for Maximum Performance

#### Features:

- Powerful 1100 watt motor delivering 40mm cutting capacity
- Easily adapts for a 13mm chuck to use on twist drill applications
- Maintenance friendly twin slide rails—no wearing parts and adjustment free operation

£459 + VAT

Includes Chuck and Adaptor

#### SPECIFICATION

MODEL	HM40EX/2
Spindle	19 mm
Weight	12 kg
Max Stroke	170 mm
Cutter Capacity	40 mm Ø x 4" depth of cut
Twist Drill Capacity	13 mm Ø with optional attachment (part no. JECA-13 mm)
Countersink Capacity	40 mm
Motor	1100 W
RPM	1 Fixed Speed no load 720 RPM loaded 450 RPM
Height min/max	330 / 500 mm
Length x Width	280 x 165 mm
Magnetic Base L x W	170 x 85 mm
Magnet Deadlift	1250 kg on 1" plate (12000n)
Noise Level	< 90dB
Vibration Level	< 2.5 m/s <sup>2</sup>
Shipping Weight	16 kg
Shipping Dimensions	460 x 360 x 180 mm

## STEELBEAST®



### BM16R Plate & Pipe Bevelling Machine

A Portable, handy solution designed for milling edges of steel, aluminium,

#### Features:

- Minimum bevel thickness of 1.5mm, maximum .
- Countersink holes with a minimum 40mm diameter
- Continuous bevel width adjustment
- Electronic speed control

#### SPECIFICATIONS

MODEL	BM16
Motor	2200W
Spindle Speed (without load)	1800 – 5850 RPM
Minimum diameter of countersinking	ca 40mm
Bevelling angles	22.5°, 30°, 37.5°, 45°, 55° or 60°
Length	585mm
Width	156mm
Height	238mm
Weight (without milling head)	10kg
Power Supply	110v or 220v/ 50-60Hz

£1'550 + VAT



## STEELBEAST®

### Industrial 14" Metal Cutting Saw

Back by popular demand is the Steelbeast 14" Saw, available in 110v or 240v

#### Features:

- 14" (355mm) Blade diameter
- Low Speed, high torque, long-life motor
- Fast and safety conscious cut-off saw action.
- Dry cut with no coolant required.
- Weights only 25kg
- Cuts 0 - 45 degrees
- Cuts through mild steel
- 12 Month Warranty

£299 + VAT

#### SPECIFICATIONS

Height	623mm
Width	330mm
Length	635mm
Weight	25kg
Motor	2200 watt (115V/60Hz/15A)
RPM	1300
Capacity	45° 90°
Round	105mm 130mm
Square	90x90mm 120x120mm
Rectangle	80x110mm 95x185mm

## miniBEAST



## miniBEAST

### CURVE

### NEW Specialist Machine For Drilling Pipes, Convex & Concave Surfaces

#### Features:

- Curved Base incorporating 4 permanent magnets
- Hidden Motor Cable
- Self Correcting slide rails
- Powerful 1010W Motor
- Detachable Ratchet Handle



#### SPECIFICATIONS

MODEL	MINIBEAST-CURVE
Weight	15 kg
Max Stroke	55 mm
Cutter Capacity	35 mm Ø x 35 mm Depth
Height min/max	315 / 390 mm
Length x Width	300 x 245 mm
Magnetic Base L x W	250 x 230 mm
Magnet Deadlift	600 kg on 1" Plate (6000 N)
Min. Material Thickness	10 mm
Min. Pipe Dia (outside)	300 mm Ø
Min. Pipe Dia (inside)	1000 mm Ø
Min Radius (inside)	R 500
Voltage/ Part no	110V - DRILL-MBCP/1 240V - DRILL-MBCP/2

£869 + VAT

Includes Chuck and Adaptor

# turbo STEEL

Turbo Steel is JEI's leading high quality fully CNC ground M2 cutter. With a geometry designed to give you fast accurate holes with the benefit of great tool life. A low vibration cutting edge provides stable free cutting action which reduces tool ware. Each tool is hardened to 62-63 ROC so it is able to drill up to 750N/mm<sup>2</sup>.

In tests, our Turbo annular broaching cutters proved to be the most cost effective available to the market today.



## Turbo Steel Advantages:

- Cuts 3 times quicker than a conventional twist drill
- Increases machine capacity
- Produces a quality burr free hole
- Eliminates time consuming pilot holes and step drilling
- Resharpenable cutting edges

## Available in 5 Piece Cutter Set, Consisting of :

- Turbo Steel 5 Piece HSS Cutter Set, 1" Length  
(14mm, 16mm, 18mm, 20mm, 22mm & Pin)

## turbo STEEL



**5 Piece Annular Cutter Sets**

PART NUMBER	DESCRIPTION
JEICS-SET5	5 Pc cutter set, consisting of 1 of each 14 mm,16 mm,18 mm, 20 mm, 22 mm short series Turbo Steel cutters plus pilot pin in a plastic case
JEICL-SET5	5 Pc cutter set, consisting of 1 of each 14 mm,16 mm,18 mm, 20 mm, 22 mm long series Turbo Steel cutters plus pilot pin in a plastic case
JEICS-SET15	5 Pc cutter set, consisting of 1 of each 9/16",11/16",13/16",15/16", 1-1/16" short series Turbo Steel cutters plus pilot pin in a plastic case
JEICLSET15	5 Pc cutter set, consisting of 1 of each 9/16",11/16",13/16",15/16", 1-1/16" long series Turbo Steel cutters plus pilot pin in a plastic case

## turbo TOUGH



**Annular Cutter Sets**

PART NUMBER	DESCRIPTION	PRICE
JEITCS-SET5	5 Pc Cutter set, consisting of 1 of each 14 mm,16 mm,18 mm, 20 mm 22 mm short series Turbo Tough cutters plus 2 x pilot pins in a plastic case	£87.50 + VAT
JEITCL-SET5	5 Pc Cutter set, consisting of 1 of each 14 mm,16 mm,18 mm, 20 mm 22 mm long series Turbo Tough cutters plus 2 x pilot pins in a plastic case	£97.50 + VAT

## STEELBEAST®

JEIBG-150 Industrial Belt Grinder

A Heavy Duty, durable belt grinder built for every industrial steel grinding and stock removal

### Features:

- Solid cast construction for the industrial environment
- Heavy duty contact wheel.
- Premium rubber coated to absorb pressure to the grinding surface
- Built-in motor safety break, motor comes to a complete stop within 5 seconds of stopping the machine
- Quick belt change without the need of tooling
- Supplied fully assembled
- Manufactures five year warranty



### SPECIFICATIONS

MODEL	JEIBG-150	JEIBG-150X
Belt Size (mm)	150 x 2000	150 x 2000
Motor 3 phs x 380-440v 50hz	4.8 hp	4.8 hp
RPM	3000	3000
Belt speed (metres per second)	30	30
Contact wheel	Ø200 x 150	Ø200 x 150
Top grinding surface	540mm	540mm
Fan motor (extraction version)	-	0.5 hp
Weight	114kg	140kg
Dimensions (mm)	1100 x 550 x 1055	1100 x 550 x 1055

The JEI Turbo Tough (TCT) cutter is designed to drill a variety of materials from mild steel to cast iron. Made from micro grain carbide powder combined with a cobalt binding agent, its teeth have a super strong structure which provides exceptional tool life. The special Turbo Tough geometry gives even tooth loading for a vibration free cut.



## Turbo Tough Advantages:

- Heavy duty carbide tips and multiple edge geometry improves production time.
- Added reliability for challenging on site drilling applications
- Ideal for bridge construction and refits
- Resharpenable cutting edges

## Available in 5 Piece Cutter Set, Consisting of :

- Turbo Tough 5 Piece HSS Cutter Set, 1" Length  
(14mm, 16mm, 18mm, 20mm, 22mm & 2 x Pins)