

# **BroachCutter<sup>®</sup>**

DESIGNED TO PERFORM

**MAGNETIC DRILLING  
MACHINES**

**ANNULAR  
CUTTERS**

**RAIL TRACK  
DRILLING MACHINES**



**PATENTS PENDING**



## drillmagic series

Our latest range of versatile magnetic drilling machines dedicated to drilling using Annular cutters as well as solid drills. Designed & manufactured in India.



### SPECIFICATIONS

|                              |                        | CUB® XL                 | SUPER XL                | TRIDENT XL                  | TITAN XL                    |
|------------------------------|------------------------|-------------------------|-------------------------|-----------------------------|-----------------------------|
| <b>Input Supply</b>          |                        | 1100 W, 230V, 50hz, 1Ph | 1500 W, 230V, 50Hz, 1Ph | 1800 W, 230V, 50Hz, 1Ph     | 1800 W, 230V, 50Hz, 1Ph     |
| <b>Capacity</b>              | <i>Annular Cutters</i> | Max. Diameter 36mm      | Max. Diameter 51mm      | Max. Diameter 76mm          | Max. Diameter 110mm         |
|                              | <i>Twist Drill</i>     | Max. Diameter 10mm      | Max. Diameter 16mm      | Max. Diameter 32mm          | Max. Diameter 47mm          |
|                              | <i>Countersinking</i>  | Max. Diameter 40mm      | Max. Diameter 51mm      | Max. Diameter 63mm          | Max. Diameter 63mm          |
| <b>Spindle</b>               |                        | Direct Spindle 19.05mm  | Direct Spindle 19.05mm  | MT3 Arbor 19.05mm & 31.75mm | MT4 Arbor 19.05mm & 31.75mm |
| <b>Depth of Cut</b>          |                        | 50mm                    | 50mm                    | 76mm                        | 100mm                       |
| <b>Stroke</b>                |                        | 126mm                   | 132mm                   | 175mm                       | 175mm                       |
| <b>Magnet Clamping Force</b> |                        | 10,300N (1050 Kgf)      | 11,770N (1200 Kgf)      | 19,620N (2000 Kgf)          | 23,500N (2400 Kgf)          |
| <b>No-load Speed</b>         | <i>Speed 1</i>         | 600 RPM                 | 270 RPM                 | 180 RPM                     | 135 RPM                     |
|                              | <i>Speed 2</i>         | -                       | 540 RPM                 | 460 RPM                     | 235 RPM                     |
|                              | <i>Speed 3</i>         | -                       | -                       | -                           | 280 RPM                     |
|                              | <i>Speed 4</i>         | -                       | -                       | -                           | 480 RPM                     |
| <b>Weight</b>                |                        | 12.5 kg                 | 19 kg                   | 30 kg                       | 36 kg                       |

# TRIDENT XL

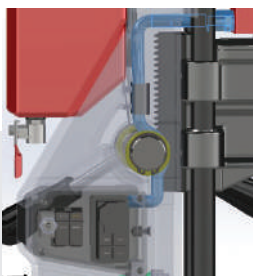


# TITAN XL



## FEATURES

| Model      | Soft Start | Steel Rod Design | Ergonomic Handle | Dual Speed Drill Motor | Four Speed Drill Motor | Overload Protection | Spindle | Arbor Lock | Stack Plate Drilling | Large Coolant Bottle | Powerful Magnet     |
|------------|------------|------------------|------------------|------------------------|------------------------|---------------------|---------|------------|----------------------|----------------------|---------------------|
| CUB® XL    |            | ●                | ●                |                        |                        | ●                   | Direct  |            | ●                    | ●                    | 10,300 N (1050 kgf) |
| SUPER XL   |            | ●                | ●                | ●                      |                        | ●                   | Direct  |            | ●                    | ●                    | 11,770 N (1200 kgf) |
| TRIDENT XL | ●          | ●                | ●                | ●                      |                        | ●                   | MT3     | ●          | ●                    | ●                    | 19,620 N (2000 kgf) |
| TITAN XL   | ●          | ●                | ●                |                        | ●                      | ●                   | MT4     | ●          | ●                    | ●                    | 23,500 N (2400 kgf) |



**INTERNAL WIRING FOR EASE OF USE**

No hanging wires



**ERGONOMIC LIFTING HANDLE**

For ease of carrying & mobility



**LARGE COOLANT BOTTLE**

More holes per refill



**INTEGRATED GEARBOX & SLIDE MOUNTED ON STEEL RODS**

Vibration-free operation



**POWERFUL MAGNETS**

For safer working

## automagic series

Full automatic feed versions of the drillmagic series machines. These models feature automatic downfeed while drilling & automatic upfeed to original position after drilling the hole. The drilling is optimised according to the cutter's condition & plate hardness.



### SPECIFICATIONS

|                              |                        | CUB® XL Auto            | SUPER XL Auto           | TRIDENT XL Auto             | TITAN XL Auto               |
|------------------------------|------------------------|-------------------------|-------------------------|-----------------------------|-----------------------------|
| <b>Input Supply</b>          |                        | 1100 W, 230V, 50Hz, 1Ph | 1500 W, 230V, 50Hz, 1Ph | 1800 W, 230V, 50Hz, 1Ph     | 1800 W, 230V, 50Hz, 1Ph     |
| <b>Capacity</b>              | <i>Annular Cutters</i> | Max. Diameter 36mm      | Max. Diameter 51mm      | Max. Diameter 76mm          | Max. Diameter 110mm         |
|                              | <i>Twist Drill</i>     | Max. Diameter 10mm      | Max. Diameter 16mm      | Max. Diameter 32mm          | Max. Diameter 47mm          |
|                              | <i>Counter Sinking</i> | Max. Diameter 40mm      | Max. Diameter 51mm      | Max. Diameter 63mm          | Max. Diameter 63mm          |
| <b>Spindle</b>               |                        | Direct Spindle 19.05mm  | Direct Spindle 19.05mm  | MT3 Arbor 19.05mm & 31.75mm | MT4 Arbor 19.05mm & 31.75mm |
| <b>Depth of Cut</b>          |                        | 50mm                    | 76mm                    | 76mm                        | 100mm                       |
| <b>Stroke</b>                |                        | 126mm                   | 132mm                   | 175mm                       | 175mm                       |
| <b>Magnet Clamping Force</b> |                        | 10,300N (1050 Kgf)      | 11,770N (1200 Kgf)      | 19,620N (2000 Kgf)          | 23,500N (2400 Kgf)          |
| <b>No-load Speed</b>         | <i>Speed 1</i>         | 600 RPM                 | 270 RPM                 | 180 RPM                     | 135 RPM                     |
|                              | <i>Speed 2</i>         | -                       | 540 RPM                 | 460 RPM                     | 235 RPM                     |
|                              | <i>Speed 3</i>         | -                       | -                       | -                           | 280 RPM                     |
|                              | <i>Speed 4</i>         | -                       | -                       | -                           | 480 RPM                     |
| <b>Weight</b>                |                        | 15 kg                   | 22 kg                   | 35 kg                       | 41 kg                       |





## FEATURES

|                               | CUB® XL Auto      | SUPER XL Auto     | TRIDENT XL Auto    | TITAN XL Auto      |
|-------------------------------|-------------------|-------------------|--------------------|--------------------|
| Auto Feed                     | ●                 | ●                 | ●                  | ●                  |
| Step Feed                     | ●                 | ●                 | ●                  | ●                  |
| Variable Automatic Feed       | ●                 | ●                 | ●                  | ●                  |
| Manual Feed Switching Option  | ●                 | ●                 | ●                  | ●                  |
| Auto Back after drilling      | ●                 | ●                 | ●                  | ●                  |
| Soft Start                    | ●                 | ●                 | ●                  | ●                  |
| Steel Rod Design              | ●                 | ●                 | ●                  | ●                  |
| Ergonomic Handle              | ●                 | ●                 | ●                  | ●                  |
| Dual Speed Drill Motor        |                   | ●                 | ●                  |                    |
| Four Speed Drill Motor        |                   |                   |                    | ●                  |
| Overload Protection/Auto-stop | ●                 | ●                 | ●                  | ●                  |
| Spindle                       | Direct            | Direct            | MT3                | MT4                |
| Arbor Lock                    |                   |                   | ●                  | ●                  |
| Stack Plate Drilling          | ●                 | ●                 | ●                  | ●                  |
| Large Coolant Bottle          | ●                 | ●                 | ●                  | ●                  |
| Powerful Magnet               | 10,300N(1050 kgf) | 11,770N(1200 kgf) | 19,620N (2000 kgf) | 23,500N (2400 kgf) |



## tapmagic series

These models are equipped with reversible motors, with clockwise & anti-clockwise rotation, which is required for tapping operation.



### SPECIFICATIONS

|                       |                 | TRIDENT XL Reverse          | TITAN XL Reverse            |
|-----------------------|-----------------|-----------------------------|-----------------------------|
| Input Supply          |                 | 1800 W, 230V, 50Hz, 1Ph     | 1800 W, 230V, 50Hz, 1Ph     |
| Capacity              | Annular Cutters | Max. Diameter 76mm          | Max. Diameter 110mm         |
|                       | Twist Drill     | Max. Diameter 32mm          | Max. Diameter 47mm          |
|                       | Counter Sinking | Max. Diameter 63mm          | Max. Diameter 63mm          |
|                       | Tapping         | M12-M24                     | M12-M30                     |
|                       |                 |                             |                             |
| Spindle               |                 | MT3 Arbor 19.05mm & 31.75mm | MT4 Arbor 19.05mm & 31.75mm |
| Depth of Cut          |                 | 76mm                        | 100mm                       |
| Stroke                |                 | 175mm                       | 175mm                       |
| Magnet Clamping Force |                 | 19,620N (2000 Kgf)          | 23,500N (2400 Kgf)          |
| No-load Speed         | Speed 1         | 90-180 RPM                  | 70-135 RPM                  |
|                       | Speed 2         | 230-460 RPM                 | 120-235 RPM                 |
|                       | Speed 3         | -                           | 140-280 RPM                 |
|                       | Speed 4         | -                           | 235-480 RPM                 |
|                       | Tapping         | As per tap size             | As per tap size             |
| Weight                |                 | 30 kg                       | 36 kg                       |

### FEATURES

|  | TRIDENT XL Reverse  | TITAN XL Reverse    |
|--|---------------------|---------------------|
| Soft Start                             | ●                   | ●                   |
| Tapping                                | ●                   | ●                   |
| Steel Rod Design                       | ●                   | ●                   |
| Ergonomic Handle                       | ●                   | ●                   |
| Dual Speed Drill Motor                 | ●                   |                     |
| Four Speed Drill Motor                 |                     | ●                   |
| Reversible Motor                       | ●                   | ●                   |
| Micro Feed Motor Speed Adjustment      | ●                   | ●                   |
| Overload Protection/ Auto Stop & Start | ●                   | ●                   |
| Spindle                                | MT3                 | MT4                 |
| Arbor Lock                             | ●                   | ●                   |
| Stack Plate Drilling                   | ●                   | ●                   |
| Large Coolant Bottle                   | ●                   | ●                   |
| Powerful Magnet                        | 19,620 N (2000 kgf) | 23,500 N (2400 kgf) |



# Quick change tapping attachment

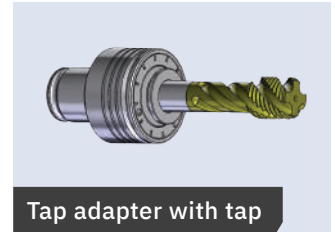
BROACHCUTTER® tapping attachments, designed & manufactured in-house. Specially for use with magnetic drilling machines. With a standard MT3 & MT4 arbor, they are suitable for use with any brand of magnetic drills.



Tapping Kit



Tap Adapter



Tap adapter with tap



MT4 Attachment



MT3 Attachment

*Designed by BroachCutter®, use on any magnetic drilling machine.*

## SPECIFICATIONS

| Quick Change Tapping Attachment | Quick Change tapping adaptor with Safety Friction Clutch | Shank Diameter (mm) | Square Size (mm) | Tap Standard |
|---------------------------------|--|---------------------|------------------|--------------|
| MT3/MT4                         | M12  | 9                   | 7                | DIN376       |
|                                 | M14  | 11                  | 9                | DIN376       |
|                                 | M16  | 12                  | 9                | DIN376       |
|                                 | M18  | 14                  | 11               | DIN376       |
|                                 | M20  | 16                  | 12               | DIN376       |
|                                 | M22/24   | 18                  | 14.5             | DIN376       |
|                                 | M27  | 20                  | 16               | DIN376       |
|                                 | M30  | 22                  | 18               | DIN376       |



# TCT Cutters

BROACHCUTTER® Cutters are made out of the finest steel and precision machined on fully automatic CNC machines. Special heat treatment gives them excellent strength and toughness.



## SHANK TYPES

BROACHCUTTER® TCT Annular Cutters can be made available in all different shank types like WELDON Shank, Universal Shank, Quick Change Shank etc.

## SIZE OPTIONS

The cutter standard sizes are available up to 150mm diameter & 150mm depth of cut. Customised cutters can be provided upto 200mm diameter & depth of cut

### Carbide Tipped

The Carbide tipped Annular Cutters use high-performance carbide inserts, ultra-fine particles, ultra-high hardness ensuring long life.

### Spiral Groove Structure

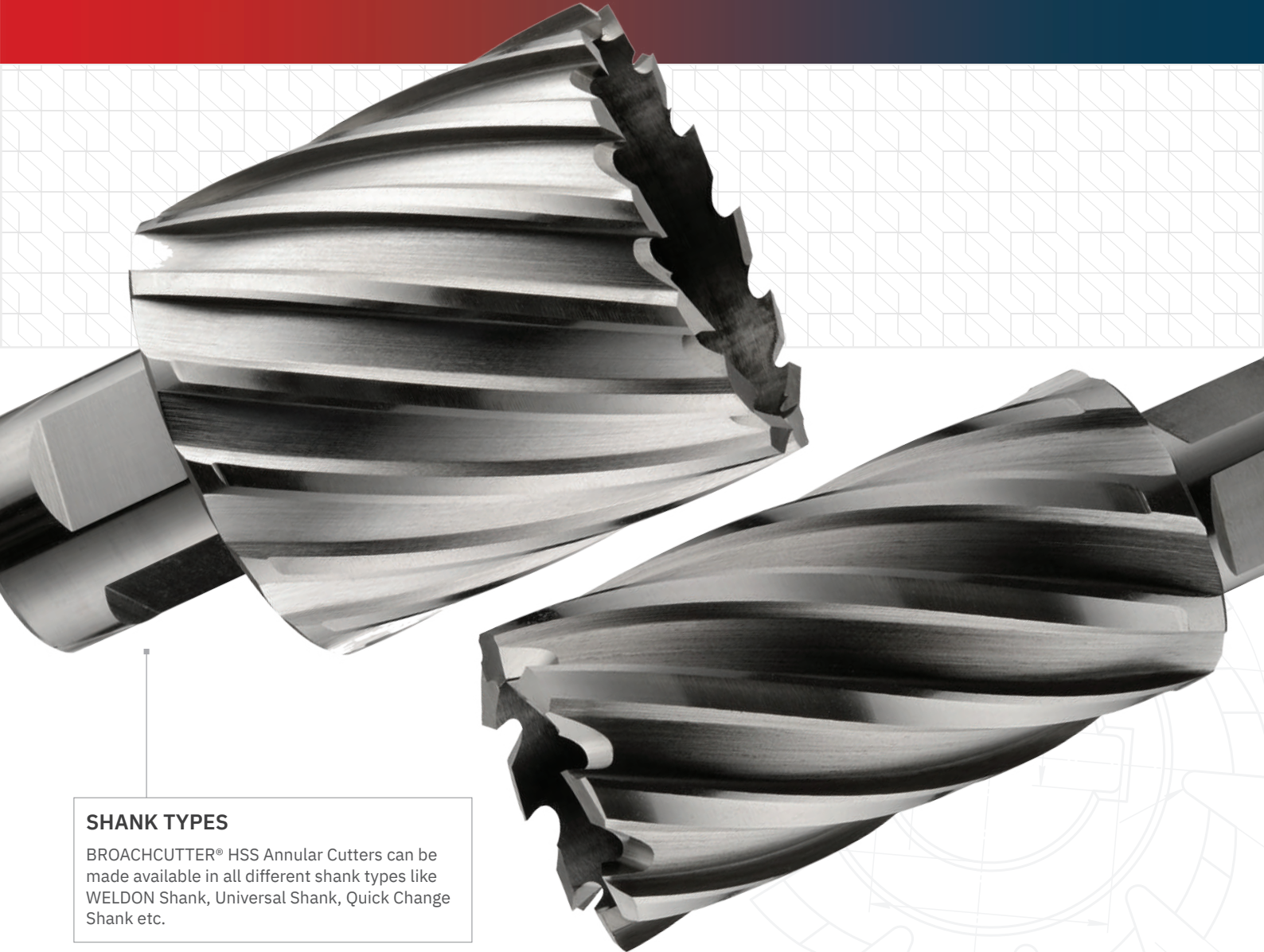
The design of the involute spiral groove structure is adopted as per the different drilling depths enabling smooth chip removal and stable drilling.

### Reduced Power Consumption

The cutters feature three different cutting edges - Inner, Middle & Outer cutting edges; due to this design high efficiency is achieved with reduced power consumption.

# HSS Cutters

BROACHCUTTER® Cutters are made out of the finest steel and precision machined on full automatic CNC machines. Special heat treatment gives them excellent strength and toughness.



## SHANK TYPES

BROACHCUTTER® HSS Annular Cutters can be made available in all different shank types like WELDON Shank, Universal Shank, Quick Change Shank etc.

## ACCESSORIES

We manufacture Tapping Kits, Pilot Pins, Extension Rods & Adapters for use with all models.

### Long life Cutters

Our HSS Annular Cutters are made of Super Hard high speed steel, with excellent performance of high hardness, red hardness and toughness resulting in a long life.

### Geometry based on Cutting Depth

The design of the cutting geometry of end edge is based on different cutting depths, giving excellent performance of good centering & chipping resistance.

### Advanced Heat Treatment

Advance Heat Treatment process & stringent quality processess ensure consistently high product quality



# Light-weight Rail Drilling Machines

BROACHCUTTER® lightweight rail drilling machines come in petrol & electric variants, both providing a sleek design & high performance with mobility.



## RATTLER I

PETROL



### SPECIFICATIONS

#### RATTLER® Petrol

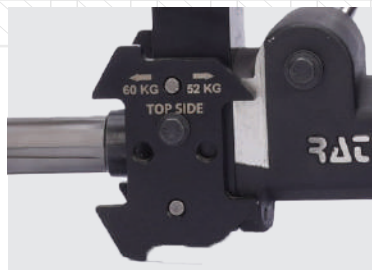
|  |                 |  |
|--|-----------------|--|
| Capacity                                   | Annular Cutters | 12-36mm  |
|  | Twist Drill     | 7 to 11mm diameter with 19.05 Weldon Shank Solid Drill |
|  | Counter Sinking | Max. Diameter 40mm                                     |
| Arbor                                      |                 | Direct Spindle, Weldon, 19.05mm                        |
| No load Spindle Speed                      |                 | Max. 420 RPM/Min. 280 RPM                              |
| Machine Weight without Petrol & Engine Oil |                 | 17 kgs   |
| Drive                                      |                 | 4 Stroke, Petrol Driven, Air cooled                    |
| Engine Power                               |                 | 1.5 kw   |
| Fuel Tank Capacity                         |                 | 630 ML   |
| Engine Oil Capacity                        |                 | 130 ML   |
| Machine Dimensions                         |                 | 675mm (L) x 199mm(W) x 440mm (H)                       |

### FEATURES



#### SLEEK & COMPACT DESIGN

Weighs only 17kgs & has a sleek & compact design. This allows for single person handling.



#### SINGLE LOCATING PLATE

Provided for 52kg & 60kg rails by selecting applicable side. Eliminates the need for multiple plates.



#### UNIQUE CLAMPING DESIGN

Having a long cam lever enables quick Clamping & De-clamping.

# Light-weight Rail Drilling Machines

**RATTLER**  
ELECTRIC


## SPECIFICATIONS

### RATTLER® Electric

|                       |                 |  |
|-----------------------|-----------------|--|
| Capacity              | Annular Cutters | 12-36mm  |
|                       | Twist Drill     | 7 to 11mm diameter with 19.05 Weldon Shank Solid Drill |
|                       | Counter Sinking | Max. Diameter 40mm                                     |
| Arbor                 |                 | Direct Spindle, Weldon, 19.05mm                        |
| No load Spindle Speed |                 | 600 RPM  |
| Machine Weight        |                 | 17.250 kgs   |
| Drive                 |                 | Electric   |
| Motor Power           |                 | 920 W  |
| Input Supply          |                 | 1100 W, 230V, 50Hz, 1Ph                                |
| Engine Oil Capacity   |                 | N/A  |
| Machine Dimensions    |                 | 539mm (L) x 125mm(W) x 344mm (H)                       |

## FEATURES



### SLEEK & COMPACT DESIGN

Weighs only 17kgs & has a sleek & compact design. This allows for single person handling.



### SINGLE LOCATING PLATE

Provided for 52kg & 60kg rails by selecting applicable side. Eliminates the need for multiple plates.



### BroachCutter® DESIGNED ELECTRIC MOTOR

Designed in-house to ensure the best performance.





# About us

BroachCutter® Drilling Machines Pvt. Ltd is a Group Company of PIONEER INTERTRADE Group. Established in 1983 we have more than 40 years experience in Industrial Machines Sales, Support & Maintenance. BroachCutter® established in 2011 has pioneered the adaptation of Magnetic Drilling Machines in India and has been the largest Indian brand in the the market for the last 12 years. With the resounding success in India of its own designed & Made in India, XL Series Magnetic Drilling Machines in 2023, BROACHCUTTER® is now ready take on the world.

## Our presence in the market

**12 Years**

In the market  
since 2011

**20,000+**

Machines working  
in India

**1 Million+**

Cutters sold  
in India

**100+**

Authorised Distributor  
Network in India

**1500+**

Sub-dealer network  
in India

**ALL INDIA SALES & SERVICE AVAILABLE**

BroachCutter® Drilling Machines Pvt. Ltd.  
301-303, "A" Wing, Durian Estate, Goregaon - Mulund Link Road, Goregaon(East), Mumbai - 400 063, India.

Email - [info@broachcutter.net](mailto:info@broachcutter.net)

Website - [www.broachcutter.net](http://www.broachcutter.net)

Telephone - +91 22 6678 7700 / +91 9322270597



BroachCutter® is a registered trademark owned by Pioneer Intertrade Pvt. Ltd. Unauthorized use or reproduction in any form will have legal implications.