

**WE PROVIDE
QUALITY SERVICE.**



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Assembled in India

TantaliteTM
Mechanical Solutions Pvt. Ltd.

ABOUT US

'TantaLITE Mechanical-Solutions Private Limited' started as a marine supplier providing diesel engine's spares, compressure, pumps, filtration systems, DG sets etc.

'TantaLITE Mechanical-Solutions Private Limited' is an independent trading company supplying all types and brands of marine spare parts needed on board of seagoing vessels. We offer OEM, genuine and high quality aftermarket marine spare parts;

We provide a full range of services in the fields of ship equipment and spare parts trade.



WHAT WE DO

We provide our services in an efficient and success oriented manner in the context of long term close relationships with shipping companies / managers / traders.

Our portfolio of portable pipe beveling machines for mechanical pipe edge preparation and orbital welding makes the job easy to be done on-site or in the workshop. The pipe beveling machine is fixed on the pipe with an inside or outside clamping mechanism.

we promise to deliver our best to derive complete customer satisfaction and your satisfaction is our great success.

80%

of our customers are satisfied with the service we provide.

CREATING DESIGNS AND COMING UP WITH MECHANICAL SOLUTIONS HAS ALWAYS BEEN OUR PASSION & DREAM

72%

of our clients have made successful projects.

'TantaLITE Mechanical Solutions' is also a trusted Global Player focuses on Procurement, Marketing, Supplying and sale of complete marine diesel engines, parts and associated items. With optimum level of Technical, innovative and Creative Organization driven by effective leadership and workforce not only to meet but also exceed customer expectations and satisfaction.

With 'TantaLITE', you can receive trouble-free supply of technical spares through a single contact. Shipping business is non-stop and running all the time and every second is like a operating cost as same as delivery time. Our various range of quality products can be supplied as customer needs with satisfaction. We have worldwide delivery from our spare parts competence center or directly from the country of origin



Stationary Power Plant

- ▶ Diesel Power Plant
- ▶ Packaged Power Station
- ▶ Barge-Mounted Power Plant
- ▶ Emergency Generating Sets for Nuclear Power Plant

Marine Engine & Equipment

- ▶ 2-Stroke Diesel Engine
- ▶ 4-Stroke Diesel Engine
- ▶ HIMSSEN Engine
- ▶ Crankshaft & Engine Component
- ▶ Propeller
- ▶ Shaft
- ▶ Engine Spare Parts

- ▶ Part supply for main engine
- ▶ Part supply for generating engine
- ▶ Part supply for ship,s machinery
- ▶ Himsen engine for propulsion package
- ▶ Himsen engine for power generating package
- ▶ On-board technical service for repairing and maintenance

Hydraulic Machinery

- ▶ Pumps for
- ▶ Thermal & Nuclear Power Plant
- ▶ Desalination Plant Petrochemical Plant
- ▶ Flood Control
- ▶ Irrigation & Water Supply Project
- ▶ Dry Dock
- ▶ Cargo Oil Pumping
- ▶ Submerged Cargo Pumping
- ▶ Water Ballasting
- ▶ LNG Pump
- ▶ Side Thruster
- ▶ EcoBallast Water Treatment System

GOLDCREST

FEATURES

The ID-Mounted beveling operation utilizes an expandable mandrel which is slid into the open end of the pipe. A draw nut is tightened, which expands the mandrel blocks up a ramp and against the ID surface for positive mounting, self centered and squared to the bore. As the tool bit is fed into the material from the end, a bevel is produced which conforms to the angle predetermined by the angle ground into the bit.

Easy set-up & Operation
Self-Centering
Can be positioned in any direction
Feed ratchet spanner makes tool feed / back easily
Light weight and compact design
On-site cold Beveling improves safety



Economical

Pneumatic

Application Range ID-OD

18 – 30 mm
0.7 – 1.18 Inch

Wall Thickness

≤15

Feed stroke

25 mm
1 Inch

Free Speed

50 rpm

Power

1.2/2 Kw

Voltage

220 V



Economical

Electric

Application Range ID-OD

28 – 89 mm
1– 3 Inch

Free Speed

55 rpm

SPARROW 8

The ID-Mounted beveling operation utilizes an expandable mandrel which is slid into the open end of the pipe. A draw nut is tightened, which expands the mandrel blocks up a ramp and against the ID surface for positive mounting, self centered and squared to the bore. As the tool bit is fed into the material from the end, a bevel is produced which conforms to the angle predetermined by the angle ground into the bit.

Wall Thickness

≤15

Power

1.2/2 Kw

FEATURES

Easy set-up & Operation
Self-Centering
Can be positioned in any direction
Feed ratchet spanner makes tool feed / back easily
Light weight and compact design
On-site cold Beveling improves safety

Feed stroke

25 mm
1 Inch

Voltage

220 V



Economical

Electric

SPARROW 12

The ID-Mounted beveling operation utilizes an expandable mandrel which is slid into the open end of the pipe. A draw nut is tightened, which expands the mandrel blocks up a ramp and against the ID surface for positive mounting, self centered and squared to the bore. As the tool bit is fed into the material from the end, a bevel is produced which conforms to the angle predetermined by the angle ground into the bit.

FEATURES

Easy set-up & Operation
Self-Centering
Can be positioned in any direction
Feed ratchet spanner makes tool feed / back easily
Light weight and compact design
On-site cold Beveling improves safety

Application Range ID-OD

40– 120 mm
1 1/4 – 4 Inch

Wall Thickness

≤15

Feed stroke

25 mm
1 Inch

Free Speed

30 rpm

Power

1.2/2 Kw

Voltage

SMARTCUT

Smartcut comes with one of 3 gearboxes as a standard. No need for extra gearbox that reduces the RPM and multiplies the torque - it comes as standard !

FEATURES

Self-centering 50 mm (1,96") one piece locking shaft with build in jaws.
Only one mandrel and 7 Jaw sets needed to cover machines entire range.

Self-centering 50 mm (1,96") one piece locking shaft with build in jaws.
Only one mandrel and 7 Jaw sets needed to cover machines entire range.

ully portable for on-site and Fab-shop work.ully portable for on-site and Fab-shop work.



Economical

Electric

Application Range

50,0 – 254,0 mm
2 – 10,0 Inch

Locking Range

50.8 – 315,0 mm
2,000 – 11,6 Inch

Feed stroke

50 mm
2 Inch

Free Speed

70 rpm

Power

3 Hp

Torque

280Nm

" Different capacity and locking range is available "



Electric

Application Range ID-OD

80 – 260 mm
3 – 11 Inch

Free Speed

16 rpm

OSTRICH 1

The ID-Mounted beveling operation utilizes an expandable mandrel which is slid into the open end of the pipe. A draw nut is tightened, which expands the mandrel blocks up a ramp and against the ID surface for positive mounting, self centered and squared to the bore. As the tool bit is fed into the material from the end, a bevel is produced which conforms to the angle predetermined by the angle ground into the bit.

Wall Thickness

≤15

Power

1.2/2 Kw

FEATURES

Easy set-up & Operation
Self-Centering
Can be positioned in any direction
Feed ratchet spanner makes tool feed / back easily
Light weight and compact design
On-site cold Beveling improves safety

Feed stroke

25 mm
1 Inch

Voltage

220 V

" Different capacity and locking range is available "



GOOSE 53 / 76

This series machine adopts METABO motor, main applied in the field of power plant pipeline installation, chemical industry, shipbuilding, especially pipeline prefabrication and low clearance on site working, such as maintain thermal power auxiliary equipment, boiler pipe valve.

FEATURES

OD-Mounted
Light weight
Adjustable speed
Compact design, good rigidity
Tool feed/back automatically
Original German METABO motor
Ingenious centering device, easy for process various of pipe

Electric

Application Range OD

8 - 53 mm / 25 – 73 mm
3/8 - 2 inch / 1.3 – 2.5 Inch

Wall Thickness

≤12

Feed stroke

25 mm
1 Inch

Free Speed

60 rpm

Power

1.2/2 Kw

Voltage

220 V

" Different capacity and locking range is available "

A vertical industrial machine with a green and black motor at the top, a red and black adjustment knob, and a silver-colored base with a cutting head. An orange banner with the word 'Economical' is overlaid on the top right of the machine image.

Economical

MOTMOT 53 / 73

FEATURES

This series machine adopts METABO / Economical motor, main applied in the field of power plant pipeline installation, chemical industry, shipbuilding, especially pipeline prefabrication and low clearance on site working, such as maintain thermal power auxiliary equipment, boiler pipe valve.

OD-Mounted
Light weight
Adjustable speed
Compact design, good rigidity
Tool feed/back automatically
Original German METABO / Economical motor
Ingenious centering device, easy for process various of pipe

Pnu. / Electric

Application Range OD

8 - 53 mm / 25 - 73 mm
3/8 - 2 inch / 1.3 - 2.5 Inch

Wall Thickness

≤12

Feed stroke

25 mm
1 Inch

Free Speed

60 rpm

Power

1.2/2 Kw

Voltage

220 V

" Different capacity and locking range is available "



Economical

Pnu. / Ele. / Hyd

ONELINE FACER

The ID mounted flange facing machine is designed for the Flange facing, seal groove, serrated finish, weld prep. and counter boring. with the latest line and ball screw technology, the equipment adopts the modular design concept as a whole. This machine is widely used in the flange connecting of Petroleum, chemical, natural gas and nuclear power.

FEATURES

light weight, easy to carry, fast installation and easy to use;
Stock finish, smooth finish, gramophone finish, on flanges, valve seats and gaskets.

Boring and milling tools are optional

Driven motor: Pneumatic, NC driven, Hydraulic driven

Latest linear technology for durability and repeatable accuracy

Application Range OD

50 – 1473 mm
2 – 58 Inch

Tool stroke

100 mm

Max. Torque

380 Nm
Hydraulic Motor

Free Speed

20 ~ 40 rpm

Power

2/3/4 Hp

Voltage

380V

" Different capacity and locking range is available "

ONELINE Facer Models & Specifications

TantaLITE™
Mechanical Solutions Pvt. Ltd.



Models		Clamping range	Working range	Tool stroke	Speed	Weight
Pneumatic	Hydraulic	inch	inch	mm	rpm	Kg
P12	H12	2"-9"	2"- 12"	100	0-42	80
P24	H24	8"-20"	8"- 24"	100	0-42	160
P36	H36	20"-34"	20"- 36"	100	0-33	310
P40	H40	24"-38"	24"- 40"	100	0-33	419
QI60	YI60	24"-58"	24"- 60"	100	0-22	980



Economical

Electric

Model available

Bandsaw STH 1 / STH 2 / ZIP
22 / ZIP 29 / ZIP 32

Weight

35 Kg

BANDSAW

THOMAS

We have reputed brand with us with whom we are working from more than 15 years to for product development. These band saws have unique features with optimum rigidity and ultimate blade life. These heavy duty band saws can be use to reduce human efforts and to save time
' MADE IN ITALY '

Bandsaw STH 1 / STH 2 / ZIP 22 /
ZIP 29 / ZIP 32

Blade pitch

8 - 12

Power

1800 W

FEATURES

Safety switch
Electronic speed regulator
RH cut
LH Cutting angle adjustment
Vice sliding on chromed bar
and self-lubricating bushings
Optional base
bi-metallic blade, pitch 6-10 for
solid parts, standard parts,
section bars

Max. 0 Deg. cutting

160 mm

Voltage

Single phase

" Different capacity and locking range is available "



Economical

Electric

Motor specification

1500 W Induction type

Rear centering device

Cam action

THREADER

Suitable for universal pipe sizes of 1/2"-2". 2 1/2"-4" is also available for tapered threads NPT or BSPT

Threader can perform both the operations like threading, cutting on up to 4" sizes of Water, Electric and Gas Pipes that too for NPT or BSPT Threads

Threader 1/8" to 2"

Threader 1/2" to 2"

Threader 1/2" to 3"

Threader 1/2 to 4"

RPM

10 ~ 35 rpm

Transmission system

Noise under efficient control

FEATURES

Compact, light weight design.
Powerful motor and transmission.

Through die head oiling.
Adjustable oil flow control.
Approved by CSA and CE standards.

Chuck

Hammer type with replaceable, rocker-action jaw inserts

Body type

Aluminium casting

" Different capacity and locking range is available "



Economical

Electric

Motor specification

3400 W

Feed speed

0 ~ 1500 mm / Min

SWIFTMILL

PLATE BEVELLER

The Swiftmill edge milling machine has convenient movement and simple in operation. It is suitable for small factories.

The milling machine is equipped with commonly used inserts which are easily available in market and these are cheaper than all other brands.

RPM

1050 Rpm

Clamp thickness

6 ~ 60 mm

FEATURES

The rear position of the reducer is conducive which helps for processing narrow plates securely.

Separate design of the control box and electric box makes the operation more safer.

Mostly used for old cutting beveling operation, no oxidation layer on the groove surface.

Milling angle

10 ~ 90 degree angle

Bevel width

0 ~ 55 mm

" Different capacity and locking range is available "



Electric

FLIPMILL

PLATE BEVELLER

Self-walking Automatic beveling machine has the advantages of small in size, light weight, easy to move and easy operation. Both our automatic plate beveling machines are as good as the traditional milling machine. In addition, this model machine is equipped with common cemented cutting blade to reduce the cost to customers.

FEATURES

The beveling angle of machine can adjust from 0° to 60°
Rear-mounted speed reducer is good for processing narrow plate, and it is safer
Special separate design of Control Box and electrical cabinet make the operation safer
Adopt multiply-cutting blades head to process plate beveled edge, therefore the milling speed of each blade is faster and easier

Motor specification

3400 W

RPM

750 ~ 1050 rpm

Milling angle

0 ~ 60 degree angle

Feed speed

0 ~ 1500 mm / Min

Clamp thickness

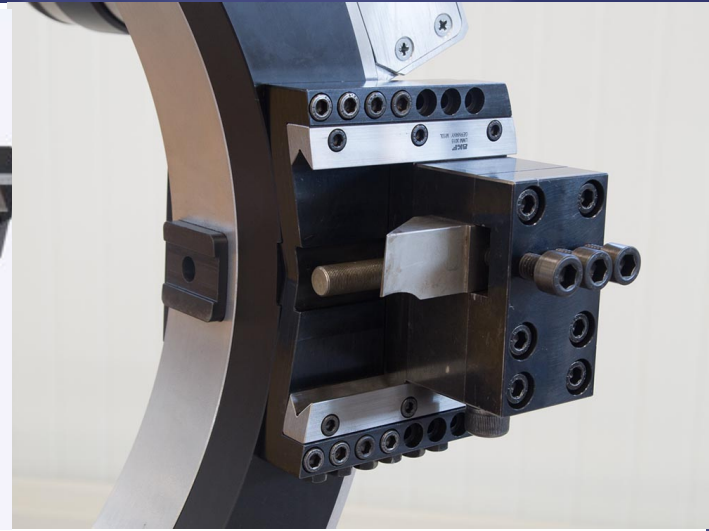
6 ~ 60 mm

Bevel width

0 ~ 55 mm

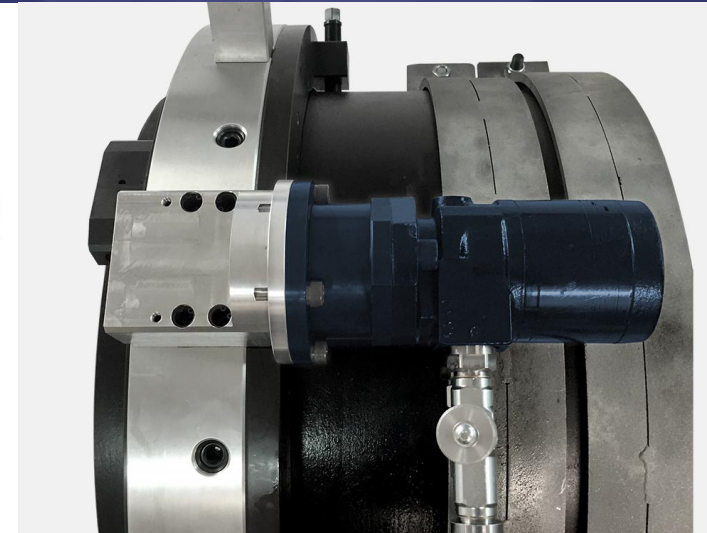
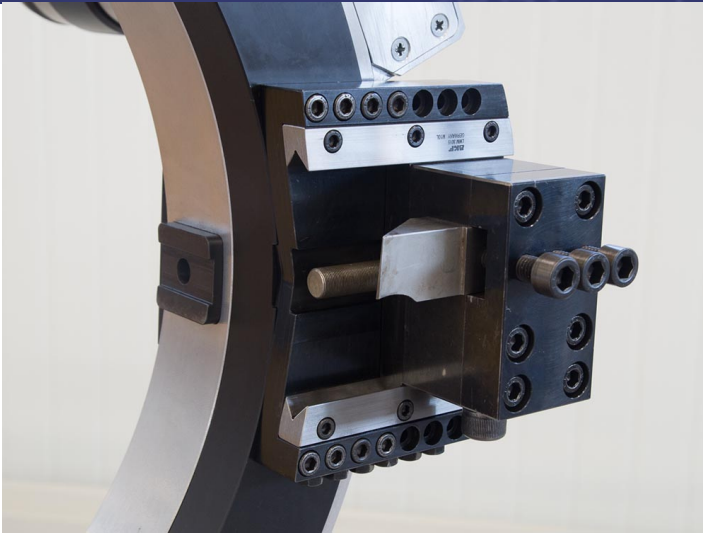
" Different capacity and locking range is available "

SLIMFIT SPLIT FRAME CLAMSHELLS



Portable SLIM FIT Clamshell series are designed for strength and easy handling. Each of the machine from the this series have a height of 3,248" (82,5 mm) up 24" and 4,47" (113,7 mm) up to 48" and a width of 2.5" (63,5 mm) resulting narrow body low profile design that makes this series the ideal choice in tight spaces.

SLIMFIT SPLIT FRAME CLAMSHELLS



15 Standard models cover a range from 1." (33,4 mm) to 48" (1219 mm) OD

Pneumatic, hydraulic and electric drive options are available .

Motor mount on keyways to prevent the motor to twist and potential damage on gear ring .

Several different drive options are available to best position the motor for a specific machining application

This series can be equipped a wide range of accessories to increase performance and expand capabilities

Adjustable locator pads minimize the number of locators.



Pnu. / Ele. / Hyd

SWAN

The split frame design allows the machine to split in half at the frame and mount around the OD of the in-line pipe or fittings for strong, stable clamping. The equipment performs precision in-line cut or simultaneous cut/bevel, single point, counter bore and flange facing operations, as well as weld end preparation on open ended pipe.

FEATURES

Cold Cutting and Beveling improves safety.
Cutting and Beveling simultaneous.
Split Frame: easy mounted on pipeline.
Light weight and compact design.
Easy set-up & Operation.
Electric or Pneumatic or Hydraulic driven.
Machining heavy-wall pipe from 3/4" up to 56.

Application Range ID - OD

25 – 1430 mm
1 – 56.299 Inch

Wall Thickness

≤30 / Up to 140mm

Feed stroke

0.08 mm per Rev.

Free Speed

8 to 50 rpm

Power

Hydraulic / Pneumatic / Electric

Voltage

220 V

" Different capacity and locking range is available "

SWAN OD Mounted Cold Cutting & Beveling Models

TantaLITE™
Mechanical Solutions Pvt. Ltd.



Model	Working range		Wall thickness (mm)		Rotating speed (rpm)
	OD (mm)	OD (Inch)	Single operation	Multi operation	
SWAN 03	Φ10 ~ 90	3/8" ~ 3"	≤25	/	34
SWAN 0106	Φ25 ~ 168	1" ~ 6"	≤25	≤50	24
SWAN 0208	Φ50 ~ 219	2" ~ 8"	≤25	≤50	23
SWAN 0410	Φ114 ~ 273	4" ~ 10"	≤25	≤75	23
SWAN 0612	Φ168 ~ 323	6" ~ 12"	≤25	≤75	23
SWAN 0814	Φ219 ~ 355	8" ~ 14"	≤25	≤110	23
SWAN 1016	Φ254 ~ 406	10" ~ 16"	≤25	≤110	22
SWAN 1218	Φ323 ~ 457	12" ~ 18"	≤25	≤110	20
SWAN 1420	Φ355 ~ 508	14" ~ 20"	≤25	≤110	20
SWAN 1622	Φ406 ~ 559	16" ~ 22"	≤25	≤110	14
SWAN 1824	Φ457 ~ 610	18" ~ 24"	≤25	≤110	14
SWAN 2430	Φ610 ~ 762	24" ~ 30"	≤25	≤110	13
SWAN 3036	Φ762 ~ 914	30" ~ 36"	≤25	≤110	11
SWAN 3642	Φ914 ~ 1066	36" ~ 42"	≤25	≤110	10
SWAN 3844	Φ980 ~ 1160	38" ~ 44"	≤25	≤110	9
SWAN 4048	Φ1040 ~ 1240	40" ~ 48"	≤25	≤110	9
SWAN 4551	Φ1150 ~ 1300	45" ~ 51"	≤25	≤110	8
SWAN5260	Φ1320 ~ 1540	52" ~ 60"	≤25	≤110	5

Economical



Pneumatic

Application Range ID - OD

24" Max

Free Speed

300 strokes/minute

PR SAW

Pneumatic saw provides power and reciprocating motion to blades. Used with Power Hack Saw Blades (sold separately), this saw cuts plastic, steel, stainless steel, and C900/C905 PVC pipe. These model improvements include more powerful air motor, up to 20% faster cutting performance and adjustable exhaust flow air direction.

Wall Thickness

≤30

Power

Pneumatic

FEATURES

More powerful air motor (old motor 15 hp new motor 2 hp)
Better cutting performance (up to 20% faster cut)
Adjustable airflow direction for exhaust
It provides pneumatic power and reciprocating motion to blades
Trigger lock prevents accidental start if the trigger is bumped or pressed unintentionally
24 in max capacity dependent on blade and chain extensions

Air flow

40 CFM

Air pressure

90 PSI



Economical

FOX MAGNETIC

FEATURES

Magnetic drill is a kind of electric tool for adhering and drilling on the horizontal level, side face and top face and widely used in the building, bridge building and ship building industries. You can use the magnetic drill when you cannot use drill press and electric hand drill to drill huge steel work pieces or in field operation

high power with small size and light weight.
with constant power soft-starting and electric step less speed-regulation.
with over-loading protection using electric speed-regulation.
high adhesion

Electric

Application Range ID - OD

12 to 80mm

Core drill dia.

12-80mm

Max. attraction

16000-17600 n

Max. tapping dia.

M 22

Max. twist drill dia.

22 mm

Rated input power

1600-1690 Watt

" Different capacity and locking range is available "



FOX Magnetic drilling

Specifications & Parameters

Specifications	FOX 35	FOX 50
Annular Cutter	12-35 mm	12-50 mm
Twist drill	--	13 mm
Length	250 mm	250 mm
Width	210 mm	210 mm
Height	330-460 mm	340-470 mm
Stroke	130 mm	130 mm
Weight	12 Kg	13 Kg
Magnet	160 x 70 x 75 mm	160 x 70 x 75 mm
Magnetic force	14800 N	15600 N
Motor power	1550 W	1700 W
Speed	100-830 RPM	100-810 RPM
Spindle	19.05 MM	19.05 MM



FOX Magnetic drilling Specifications & Parameters

Specifications	FOX Cub 38	FOX Tap 36	FOX Tap 48	FOX Auto 50	FOX 68	FOX 98
Annular cutters	12 – 38 mm	12 – 36 mm	12- 48 mm	12-50mm	12-60mm	12-98 mm
Twist drill	/	1 – 18 mm	1 – 22 mm	/	1-23 mm	1-28 mm
Threading	/	1 – 18 mm	1 – 22 mm	/	/	/
Length	30 mm	250 mm	250 mm	240 mm	330 mm	330 mm
Width	150 mm	210 mm	210 mm	210 mm	210 mm	240 mm
Height	240 mm	340-550 mm	340 -550 mm	340-550mm	430-650mm	430-650mm
Stroke	45 mm	220 mm	220 mm	220mm	240mm	220 mm
Weight	8.5 Kg	19 Kg	13 Kg	16.3 Kg	18.5 Kg	18.5 Kg
Magnet	160x70x45mm	160x70x45 mm	160x70x45 mm	160x70x45mm	200x100x60 mm	200x100x60 mm
Magnetic force	14500 N	14200 N	14500 N	16500N	17000N	17000 N
Motor power	1650 W	1550 W	1700 W	1700W	1890W	2190W
Speed	670 RPM	100-270-520 RPM	100-260/480RPM	280/510RPM	100-440RPM	100-340 RPM
Spindle	19.05 mm	MT2, 19.05 mm	MT2,19.05mm	19.05mm	MT2,19.05mm	MT3,31.75MM,19.05 mm



Hydraulic

BLACKBIRD

BlackBird Chain Cutting Machine is a flame beveling machine designed to cut pipes and tubes 4" and larger. The adjustable wheel positioning system improves accuracy across a range of different pipe diameters.

BlackBird chain beveling machine meets all necessary safety specifications.

FEATURES

Available for pipes 4" and larger
Incredible accuracy due to the 3-link chain and gear system
Out of Round device can be used anywhere on the torch arm
Adjustable torch support allows for piercing away from the cut
Vertical pipes can be cut as well as bevel
Economical

Pipe size

114 to 3048 mm

Cutting & Beveling

Plasma / Gas torch

Max. thickness

70mm with 500Amps plasma

Weight

16 Kg

Working space needed

12 inch minimum

Setup time required

20 min

" Different capacity and locking range is available "



Hydraulic

Max. bolt size

16 to 115 mm

Weight

1.5 to 20.5 Kg

HI-TORQUE

We offers a variety of controlled tightening tools to best meet the requirements of your application. From mechanical torque multipliers to hydraulically driven square drive wrenches, and low profile torque wrenches. We offer the hydraulic torque tools you need for accurate and simultaneous tightening of multiple bolts. Low profile ratchet hydraulic wrench used in all industries in confined areas.

Matric nut size

27-155mm

Torque

232-41882 Nm

FEATURES

Al-Ti alloy integrated machine has high strength, high tenacity with light weight. The 360°×180° rotating oil connection has no limitation in used space and is convenient to be operated.

The actuating shaft is released by torque and can fast switch between screwing up and dismantling.

The hydraulic piston and power head have a small shape, compact structure and small operation radius

Working pressure

70 Mpa

Power source

Hydraulic

" Different capacity and locking range is available "



HI-TORQUE SERIES

Specifications & Parameters

Model	Torque Range (Nm)	Driving Square (inch)	H1 (mm)	H2 (mm)	H3 (mm)	H4 (mm)	L1 (mm)	L2 (mm)	R1 (mm)	Weight (mm)
High Torque 1	183-1837	3/4	50	72	90	131	125	189	26	2
High Torque 3	451-4512	1	68	95	123	176	160	242	35	4.4
High Torque 5	752-7528	1-1/2	80	122	149	198	204	264	42	7.5
High Torque 8	1078-10780	1-1/2	90	130	167	216	222	293	47	9
High Torque 10	1551-15516	1-1/2	100	142	186	231	243	369	53	13
High Torque 20	2666-26664	2-1/2	120	183	220	269	310	386	64	23
High Torque 25	3472-34725	2-1/2	137	200	247	296	330	406	66	31
High Torque 35	4866-48666	2-1/2	147	218	276	331	353	539	75	43

**WE PROVIDE
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SERVICE...
WITH STRONG
ASSURANCE !**

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