

PIPE BEVELING MACHINE



MANUFACTURER & EXPORTER OF

Pipe Beveling Machines, Hydraulic Torque Wrench,
Tube Tools, Tube Cleaners, Tube Expander, Flexible Shafts,
Impact Sockets, High Pressure Water Jet Cleaner,

SHINGARE
INDUSTRIES PVT LTD

BHARTIYA

TUBE TOOLS

PIPE BEVELING MACHINE

BBM-1625

The **BBM-1625** is light weight and powerful machine for pipe facing, pipe beveling, and weld preparation. This pipe beveler is compact, easy for handling and quick setup. This pipe bevelling machine used for jobs in restricted access area.

Drive	Pneumatic	Electric
Locking Range (mm)	20 - 42	20 - 42
Idal Speed (RPM)	400	250
Torque (Nm)	27.5	45.0
Feeding Stroke (mm)	23	23
Pneumatic Power (HP)	0.45	-
Air Consumption (cfm)	16	-
Air Pressure (psi)	90	-
Electric Power (watts)	-	59.5
Weight (kg)	4.5	5.5



BBM-3000

The **BBM-3000** is a very popular pipe beveling machine. It is versatile and powerful machine. Quick interchangeability of locking jaws to suit wide range of diameters. This pipe beveling machine is used for pipe beveling, tube facing or tube beveling operation.

Drive	Pneumatic	Electric	Hydraulic
Locking Range (mm)	28 - 76	28 - 76	28 - 76
Idal Speed (RPM)	110	140	192
Torque (Nm)	84	138	140
Feeding Stroke (mm)	40	40	40
Pneumatic Power (HP)	0.83	-	-
Air Consumption (cfm)	42	-	-
Air Pressure (psi)	90	-	-
Electric Power (watts)	-	595	-
Weight (kg)	10.5	16.0	15.6



BBM-8000

The **BBM-8000** is a heavy duty pipe beveling machine, pipe facing machine, with wide range tube ID. This beveling machine is design to bevel face and weld age preparation for heavy wall thickness tubes. Modular and ergonomic design with high torque to suit in toughest heavy duty working condition.

Drive	Pneumatic	Electric
Locking Range (mm)	51 - 203	51 - 203
Idal Speed (RPM)	40	40
Torque (Nm)	220	240
Feeding Stroke (mm)	40	40
Pneumatic Power (HP)	0.9	-
Air Consumption (cfm)	40	-
Air Pressure (psi)	90	-
Electric Power (watts)	-	1800
Weight (kg)	26.5	30.0



- PIPE BEVELING MACHINE FOR SIZE ABOVE 8” (200MM)
- PIPE THICKNESS FROM 15MM TO 75MM



TUBE TOOLS

FEATURES

The Machine has automatic fee mechanism which is easy to operate, it also adjust the cutting quantity and beveling angel can be adjusted from 0 degree to 45 degree.

Pipe wall thickness from 15 mm to 75 mm the machine can be used easily & used as a flange facing tools.

DRIVEN TYPE

Electric Model:- It is Electrically driven with high performance motor to drive, 220v, 1 phase, Voltage, 50-60 Hz frequency, 1.5 HP -3.0HP Power.

Pneumatic Model:- A Pneumatic moter adopts to drive. 10-25 bar is Air woking pressure, 1000-2000L/min is Air consuming flux. Mostly used at dangerous operation places & for inflamable.

TOOLS



TECHNICAL PARAMETER

ELECTRIC MODEL	PNEUMATIC MODE	WORKING RANGE (Inner Diameter/Mm)	WORKING RANGE (Outer Diameter/Mm)	MAX. WALL THICKNESS (MM)	ROTATING RATE (RPM)
BBM-330E-II	BBM-330P-II	150 – 330	160-356	75	14
BBM-600E-II	BBM-600P-II	300 – 600	320-630	75	10
BBM-820E-II	BBM-820P-II	600 – 820	620-850	75	8
BBM-1020E-II	BBM-1020P-II	820 – 1020	840-1050	75	7



BBM-820E-II



BBM-600P-II



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TUBE TOOLS

PIPE CUTTING & BEVELING MACHINE

This series is portable out-mounted pipe cutting & beveling machine with the following advantages:

- easy to operate
- minimal radial space
- lighter weight.

It is available in electric or pneumatic version.

APPLICATION

It is mainly used in Petroleum, Natural Gas, Chemicals, Boiler & Nuclear Plant.

PERFORMANCE

Automatic feed mechanism, no manual-adjustment, high efficiency, high quality. Steel or Aluminium Machine body is **toroidal** cavity construction, can be divided two parts, installed at any space on the pipeline quickly & safely.

This machine can be used for cutting & beveling process of different types & sizes of pipes, pressure vessels & steam generator, safely & quickly.

WORKING RANGE

10mm to **1500150mm**, Electrical machine is suitable for 220 V, 50 Hz, 12A, 1.2HP to 3 HP.

TECHNICAL PARAMETER

Electric Model	Pneumatic Model	Hydraulic Model	Working Range (O.D. / MM)	Max. Wall Thickness (MM)	Rotating Rate (RPM)
BCBM-80-E	BCBM-80-P	BCBM-80-H	10 - 80	25/50	22
BCBM-150-E	BCBM-150-P	BCBM-150-H	25 - 150	25/50	18
BCBM-160-E	BCBM-160-P	BCBM-160-H	50- 160	25/50	15
BCBM-300-E	BCBM-300-P	BCBM-300-H	150 - 300	25/50	16
BCBM-450-E	BCBM-450-P	BCBM-450-H	300 - 450	25/50	13
BCBM-600-E	BCBM-600-P	BCBM-600-H	450 - 600	25/50	10
BCBM-750-E	BCBM-750-P	BCBM-750-H	600 - 750	25/50	8
BCBM-900-E	BCBM-900-P	BCBM-900-H	750 - 900	25/50	7
BCBM-1050-E	BCBM-1050-P	BCBM-1050-H	900 - 1050	25/50	6

Note:- Hydraulic or NC model are preferable for pipe OD 1050mm.



BCBM-900-P



BCBM-600-M

PIPE CUTTING & BEVELING MACHINE (AUTO CENTER)



This series is portable out-mounted pipe cutting & beveling machine with the following advantages:

- easy to operate
- minimal radial space
- lighter weight
- self centering feature.

It is available in electric or pneumatic version.

APPLICATION

It is mainly used in Petroleum, Natural Gas, Chemicals, Boiler & Nuclear Plant.

PERFORMANCE

Automatic feed mechanism, no manual-adjustment, high efficiency, high quality. Steel Machine body is toroidal cavity construction, can be divided two parts, installed at any space on the pipeline quickly & safely.

This machine can be used for cutting & beveling process of different types & sizes of pipes, pressure vessels & steam generator, safely & quickly. Machine will be of Auto/Self Centering Type.

WORKING RANGE

10mm to 450mm, Electrical machine is suitable for 220 V, 50 Hz, 12A, 1.2HP to 3 HP.

TECHNICAL PARAMETER

Electric Model	Pneumatic Model	Working Range (O.D. / MM)	Max. Wall Thickness (MM)	Rotating Rate (RPM)
SCBM - 160 - E	SCBM - 160 - P	50 - 160	25	22
SCBM - 230 - E	SCBM - 230 - P	80 - 230	25	15
SCBM - 300 - E	SCBM - 300 - P	150 - 300	25	13
SCBM - 450 - E	SCBM - 450 - P	300 - 450	25	11



SCBM-300-E



SCBM-230-E

CAMP TYPE PIPE CUTTING & BEVELING MACHINE

Adopt high strength & precision ring structure, apply to cutting and beveling pipe, especially for batch working of cutting, beveling for thin wall thickness pipe.

Using METABO make drive with low noise, long life, stable performance and variable speed function.

POWER SUPPLY:

220-240 V, 1 Phase, 50/60 Hz.,

These machines can be used by using Pneumatic Drive with pressure rating of 6-8 bar.

ADVANTAGES:

- A. Compact Structure & good finishing, with light weight aluminum body
- B. Easy set up, operation and maintenance
- C. Cutting & beveling finished at the same time, high working effective.
- D. Cold Working, No spark, Won't make the material affected.
- E. Adopt New Synchronous feed mechanism, Feeding uniformity, tool bits has longer working life.
- F. Self Centering, No need to adjust work of concentricity & perpendicularity.
- G. Perfect Working precision, no burrs.



BCB-60P



BCB-60M

MODEL	WORKING RANGE OD (MM)	THICKNESS (MM)	SPEED (RPM)	WEIGHT (KG)
BCB - 60 M	Ø 16 - 60	10	30 - 120	13
BCB - 110 M	Ø 60 - 110	10	30 - 120	16

Note: For pneumatic Drive use prefix P instead of M in both model nos.

NARROW WIDTH PIPE BEVELING MACHINE



This machine is designed for pipe end beveling of small diameter, pipe out mounted compact installation. It is used in pipe end beveling process of professional equipments & on-site overhaul.

e.g. Water cooled wall, over heater, re-heater, fuel economizer, boiler & fire thermo electricity, etc.

High Quality beveling tool which can process different grades of carbon steels, alloyed steels, stainless steels & other materials of metal pipes.

An outside caliper is fixed in proper position, simple and light, precise centering, steady mount and convenient operation.

DRIVING TYPE

Electric: 1 phase, 230volts, 50-60 Hz, Power 1.4 KW

PNEUMATIC

It uses pneumatic drive of 5 to 7 bar air pressure with air flow of 53-70 CFM.



Electric Drive	Pneumatic Drive	Working Range	Wall Thickness	Speed
BNFC - 53 - II BNFC - 76 - II	BNFC - 53P - II BNFC - 76P - II	Dia. 14 - 53 Dia. 25 - 76	8 mm Max. 12mm Max.	56 RPM 48 RPM

PLATE BEVELING MACHINE

PBM-15



This machine is handy and flexible unit for the preparation of welding beveling deburring of the material. It has low weight (Compared with our other similar machines) which enables to use at almost every workplace and a rattling-free, steady, milling operation. The handling and operation is easy and safe. The machine is suitable for milling steel, VA, Cast Iron, non-ferrous heavy metal with one hand operation.

Smooth and flat beveling face, layer of oxide, facilitate for welding. It meet the need K, V, X & Y types of welding joint.

TECHNICAL PARAMETERS

- Land Width : 15mm Max. Progressively adjustable.
- Bevel Angle : 30- 60 degree progressively adjustable
- Weight : 18 Kg.
- Motor : 3 Phase, 400/440 Volts,
1.1KW, 2800 RPM, 50-60 Hz
- Model : PB M-15



TUBE TOOLS

VERSO PB-15 : The VERSO PB-15 is a versatile, light weight, compact, portable beveling machine for use on flat, curved or rolled plate. It can also use for OD and ID bevels on pipe, including chamfering, and can deburr and countersink holes with a minimum diameter of 1-9/16" (40 mm). Interchangeable bevel milling heads, utilizing indexable carbide inserts, are available for bevel angles of 22.5°, 30°, 37.5°, 45° and 60°. A radius milling head is also available with indexable carbide inserts to radius plate edges with a perfect 2, 3, & 4 radius.

The VERSO PB-15 is equipped with a simple bevel depth adjustment, overload protection and electronic speed control for use on a variety of materials, including aluminium and steel. The compact design makes the VERSO PB-15 an excellent machine for many fabrication applications.

The VERSO PB-15 is highly efficient for edge weld preparation and for producing radiused plate edges for optimal paint and coating adhesion.

FEATURES

- Versatile tool which can be used to bevel or radius mill straight edges, contours and holes
- Variable speed control permits adjustment of milling head for use on various grades of steel & aluminum.
- Guide plate and roller guides insure consistent, highly accurate bevel angles
- Optional anti-abrasion plate and special inserts available for aluminum milling
- Highly-efficient beveling machine – up to 10 times faster than grinding
- Ideal solution for radius milling for paint and coating preparation.
- Produces no hazardous dust, greatly improving working environment.
- Lightweight ergonomic design reduces worker fatigue.



Bevel Width (MM)	Power (HP / KW)	Voltage (VOLTS)	Speed (RPM)	Bevel (ANGLE)	Tool Bit Qty. (Nos.)	Weight (KG)
1-15mm	3/2.25	220-240	2500-7500	20°~ 60°(Standard 3°)	4 or 5	8.5

TUBE SQUARING MACHINE

TS-1250 : The new Model TS-1250 is designed specifically as a tube squarer for autogenous welding applications where micro fitting, tube assemblies, or the gripping of short perch length tubing is required with maximum portability. Now, you can do straight tube and fittings with one machine.

A design extension of our field proven TS-1250, our new "quick collet" provides positive grip with as little as 3/16" straight length. Clean room safe, portable or bench mounted, this machine's variable speed, high torque motor delivers excellent finished on all types of materials and exotic alloys without damaging electro polished surfaces.



TS-1250



ADVANTAGES

Materials include but are not limited to Aluminum Copper nickel alloys Carbon steel Stainless Chrome steel (20% max) Copper

Drive Motor Details : 1100 W, 220 Volts, 50 Hz, 4.8 amp,

Tube Range AND Weight :

Tube OD 1/8" (3.2mm) to 1.5" (38.5mm) & Tube Thickness: 3.2mm max. **Weight :** 4.5 Kg.