



Indian Machine Tools  
Manufacturers Association



Federation of Indian Chambers  
of Commerce and Industry

ISO 9001  
CERTIFIED



Un - Beatable in Quality  
Un - Imaginable in Performance  
Un - Believable in Price



OLD HISTORY · MODERN TECHNOLOGY



**MULTI**  
**steelworker**  
TWIN HYDRO - DUAL OP

Follow us :



## APPLICATIONS

Base Plates



Beer Brewery



Truck Chasis



Hand Rails



Wind Power



Excavators Loaders



Steel Structures



Refinery



Rail Tracks



Farm Equipments



## WHY BAJAJ MACHINES INDIA

- Of course there are other companies in our field but when you are dealing with BMI you know you are dealing with the best, the one with more than 52 years of hard core experience in Manufacturing.
- Three State of the art Premises in India with all Modern Machineries and Setup.
- An ISO 9001 : 2000 Certified Group with complete Quality Management System and Quality Checks at each levels of Production.
- Compliance of all Safety guidelines and OSHO regulations in our Manufacturing Process.
- Best and Prime quality of raw material used in the Production of our Machines. As the old saying is "if your raw material is not of the best quality how the finished products can be reliable".
- Our Machines are 100% Made in India with renowned International Components available Worldwide.
- A team of Skilled and Trained Work Force, dedicated Designers and Engineers having more than 18 years Experience in this field of Operations.
- Customer Satisfaction and Operator Safety is our Top Priority.
- Efficient, Experienced and Reliable Customer Service Network. With a Prompt After Sales Service and up to date Track Records.
- Ready to Ship Spares in our Warehouse.
- When you need service or any form of assistance we can assure you that you would not be served by computerized personals or middle people but will be personally assisted by our TAT – Technical Assistance Team.
- All our machines carry 24 months Warranty against any Manufacturing Defect from the date of Registration of our Product on our Website.
- We can also Provide CE Certification for all our Products on Special Request from our International Customers.
- Our Machines are manufactured as Per DIN Standards.
- Last but not the least We believe in having number of satisfied customers not in number of customers as "a bird in hand is better than two in the bush" and we know that it takes years to build a customer and seconds to loose one, so we know what our customers our worth.



Factory Picture



Machining



Painting



Assembly

## Optional Tools





## ADVANTAGES:

*Dual Working -- Multi Tasking*

*Compact Design -- Works Fine*

*NO Foundation -- Easy Installation*

*High Precision -- Correct Decision*

*Electric Connection -- Ready For Operation*



**MULTI**  
steelworker  
TWIN HYDRO - DUAL OF  
'E5 - Series'

*The Fabricators Choice!*

## STANDARD MULTI STEEL WORKER FEATURES

- Dual Work Station
- Multi – Purpose
- Full Steel Body Fabricated Structure manufactured with Prime Plates
- Robust Welded and Bolted Frame for Extra Durability
- Minimal Deflection Design
- Full Tonnage throughout Stroke or Cycle
- Overload Protection
- Meets or Exceeds OSHA regulations for Safety
- Guarding to Individual Specifications with E – Stop Circuits
- IEC rated Electric Components
- JIC / NFPA standard Components
- Wide Variety of Tools and Dies as Options to choose from
- Adjustable Magnetic Lamp for Enhanced Vision at all Work Stations
- Electric Stroke Control

## E5 - Series' FEATURES

- Hydraulic Hold Downs for Angle Station
- Hydraulic Hold Downs for Plate Shearing Station
- Infra Red Safety Beam Sensors at the Plate Shearing Station
- Oil Cooler
- Tower Light Indication

*Rest All Features are same as Standard Machines*



## Technology Partners



*Maintenance Free Care becomes Easy with  
Worldwide available Spares...!*





## PUNCHING STATION

- Large Machined Gauge Table with Scales and Guides Bars for X & Y position
- T – Slot Bed Plate for Easy Clamping of Dies
- Heavy Duty 'Swing Away – Clear View' Stripper
- Quick Change Nut for Punch and Other Dies
- Comes with Extended Table which can be easily removed to Punch in Angles, Channels and Other Profiles.
- An Emergency Stop and Jog Up Button is Fitted at the Punching Station for Operator Safety and Convenience for Die Setting

## NOTCHING STATION

- Comes with Standard U – Notching Blades
- Machined Gauge Table with Scales and Guides Bars for X & Y position
- T – Slot Bed Plate for Easy Clamping of Dies
- An Emergency Stop and Jog Up Button is Fitted at the Notching Station for Operator Safety and Convenience for Die / Blade Clearance Settings
- V- Notching Blades can be easily Installed and are available as an Option



## ANGLE CUTTING STATION

- Four Sided Blades can be easily rotated and re-installed
- Hydraulic Clamping for Angle results in Time Saving and Secure Clamping.
- Hydraulic Clamping gives a Clean, Square, Burr Free cut for the Angles.
- Hydraulic Hold Downs Automatically adjusts the Pressure and clamps Angles of Various Sizes and Thickness
- Hydraulic Hold Downs are Inter-locked with the Cutter Beam such that the cutting does not start till the Hold Downs fully clamps the Angle Bar.



## ROUND / SQUARE BAR CUTTING STATION



- Easy Manual Adjustable Hold Down for Standard Round / Square Bar Cutting
- Quick and Easy change of Blades.
- Easy Change of Optional C – Channel / I – Beam / H – Beam Cutting Blades used for Structural Fabrication, in this same Aperture.



## TOWER LIGHT

- Indicates on the Working of the Machine on Different Modes
- Comes in our E5 - Series



## PLATE SHEARING STATION

- Blades are Four Sided and can be easily rotated and re-installed
- Machined Table, Adjustable Guides with Angle / Tapper Shearing Marking on the Bed Plate
- Hydraulic Clamping for Plate Shearing results in Time Saving and Secure Clamping of the work piece.
- Hydraulic Clamping gives a Clean, Square, Burr Free cut for the Steel Plates, similar like Hydraulic Shearing Machines.

## OIL COOLER

- Comes in all our E5 Series
- Maintains the Temperature of Hydraulic Oil and prevents the machine to get Over Heated in longer running, thus making the running troublefree.



- Hydraulic Hold Downs Automatically adjusts the Pressure and clamps Sheets of Various Sizes and Thickness
- Hydraulic Hold Downs are Inter-locked with the Cutter Beam such that the cutting does not start till the Hold Downs fully clamps the Steel Plate.
- Infra – Beam Safety Sensors are installed for the Operator Safety in order to prevent any mishap on the machine. The machine will stop if anything cuts the Beams preventing any Accident to occur resulting in Operator Safety.

## TOUCH AND CUT ELECTRIC BACK GAUGE



- 1 Mtr. Length Back Stop with Electrical Touch and Cut Feature.
- Is Adjustable and can be aligned to all Cutting stations.
- Automatic Single Stroke once the Gauge is Cut / Touched with the Work Piece



## EXTRA THROAT DEPTH

- Our XT – Models comes with Xtra Throat Depth
- Large machined Gauge Table
- Table is Equipped with Scales and Guides

## Our Clients



*Transparent Business with Competitive Price makes Buying Simple, Easy and Nice....!*



SINCE 1962  
AN ISO 9001:2000



## Technical Specifications :

## TWIN HYDRO -- DUAL OP

STATIONS	SPECIFICATIONS	MSW - 65	MSW - 85	MSW - 120	MSW - 175 E	MSW - 220 E	MSW - 275 E
PUNCHING	Punching Pressure	TON 65	85	120	175	220	275
	Punching Pressure	METRIC TON 59	78	110	160	200	250
	Diameter x Max Thickness	MM 25 x 20	33 x 20	38 x 25	30 x 32	42 x 35	45 x 40
		INCH 1' x 3/4'	1 1/4' x 3/4'	1 1/2' x 1'	1 1/8' x 1 1/4'	1 5/8' x 1 3/8'	1 3/4' x 1 5/8'
	Diameter x Thickness	MM 40 x 11	40 x 16	40 x 20	40 x 30	40 x 32	40 x 40 MM
		INCH 1 5/8' x 3/8'	1 5/8' x 5/8'	1 5/8' x 3/4'	1 5/8' x 1 1/8'	1 5/8' x 1 1/4'	1 5/8' x 1 5/8'
	Max Diameter x Thickness	MM 110 x 3	110 x 4	110 x 5	125 x 5	125 x 6	125 x 7
		INCH 4 3/8' x 1/8'	4 3/8' x 1/4'	4 3/8' x 1/4'	4 7/8' x 1/4'	4 7/8' x 1/4'	4 7/8' x 1/4'
	Stroke Length	MM 70	90	100	100	110	110
		INCH 3'	4'	4'	4'	4'	4'
	Strokes Per/Min on Full Range	Nos. 10	8	8	8	8	8
	Stroke Per/Min on 20mm Stroke	Nos. 25	25	25	25	25	25
	Throat (ST - Standard Throat)	MM 315	355	400	500	-----	-----
		INCH 12'	14'	16'	20'	-----	-----
(XT - Xtra Throat)*	MM 600	600	600	600	600	600	600
	INCH 24'	24'	24'	24'	24'	24'	24'
Work Height	MM 1030	1080	1110	1130	1110	1110	1110
	INCH 41'	43'	45'	45'	44'	44'	44'
STEEL BAR SHEAR	Round Bar	MM 45	50	55	65	75	80
		INCH 1 3/4'	2'	2 1/8'	2 1/2'	3'	3 1/8'
	Square Bar	MM 40 x 40	45 x 45	50 x 50	55 x 55	65 x 65	65 x 65
		INCH 1 5/8' x 1 5/8'	2' x 2'	2' x 2'	2 1/8' x 2 1/8'	2 1/2' x 2 1/2'	2 1/2' x 2 1/2'
L - ANGLE SHEAR	Angle Section (90 Degree)	MM 120 x 120 x 12	150 x 150 x 14	150 x 150 x 16	180 x 180 x 18	200 x 200 x 18	200 x 200 x 20
		INCH 4 3/4' x 4 3/4' x 1/2'	6' x 6' x 1/2'	6' x 6' x 5/8'	7 1/8' x 7 1/8' x 3/4'	8' x 8' x 3/4'	8' x 8' x 7/8'
	Angle Section(45 Degree)	MM 70 x 8	80 x 8	80 x 10	80 x 10	100 x 10	120 x 10
		INCH 2 3/4' x 1/3'	3 1/8' x 1/3'	3 1/8' x 3/8'	3 1/8' x 3/8'	4' x 3/8'	4 3/4' x 3/8'
SHEET METAL SHEAR (PLATE SHEAR)	Length x Max. Thickness	MM 300 x 20	380 x 20	380 x 25	380 x 30	400 x 35	450 x 40 MM
		INCH 12' x 3/4'	15' x 3/4'	15' x 1'	15' x 1 1/8'	16' x 1 3/8'	18' x 1 5/8'
	Max. Length x Thickness	MM 375 x 12	480 x 15	600 x 15	600 x 20	700 x 25	750 x 30
		INCH 15' x 1/2'	19' x 5/8'	24' x 5/8'	24' x 3/4'	28' x 1'	30' x 1 1/8'
	Blade Length	MM 380	485	610	610	710	765
		INCH 15 1/4'	19 3/8'	24 3/8'	24 3/8'	28 3/8'	30 5/8'
	Strength of Steel Plates (N/mm <sup>2</sup> )	≤450	≤450	≤450	≤450	≤450	≤450
	Hydraulic Hold Downs	Nos. 3	3	4	5	7	7
U - NOTCHING	Working Height	MM 900	900	900	875	875	875
		INCH 36'	36'	36'	35'	35'	35'
	Thickness	MM 10	13	13	16	18	18
		INCH 3/8'	1/2'	1/2'	5/8'	3/4'	3/4'
	Length	MM 100	100	100	120	120	120
		INCH 4'	4'	4'	4 3/4'	4 3/4'	4 3/4'
	Width	MM 45	52	60	60	60	60
		INCH 1 3/4'	2'	2 3/8'	2 3/8'	2 3/8'	2 3/8'
C - CHANNEL *	Depth	MM 90 MM	90 MM	90 MM	110 MM	110 MM	110 MM
		INCH 3 1/2'	3 1/2'	3 1/2'	4 3/8'	4 3/8'	4 3/8'
	Work Table Height	MM 800	800	800	750	750	750
		INCH 32'	32'	32'	30'	30'	30'
V - NOTCHING *	Thickness	MM 90 x 90 x 10	100 x 100 x 12	105 x 105 x 13	105 x 105 x 16	105 x 105 x 18	105 x 105 x 18
		INCH 3 1/2' x 3 1/2' x 3/8'	4' x 4' x 1/2'	4 1/8' x 4 1/8' x 1/2'	4 1/8' x 4 1/8' x 5/8'	4 1/8' x 4 1/8' x 3/4'	4 1/8' x 4 1/8' x 3/4'
BAR BENDING *	Length x Thickness	MM 250 x 15	250 x 20	250 x 22	250 x 25	250 x 25	250 x 25
		INCH 10' x 1/2'	10' x 3/4'	10' x 7/8'	10' x 1'	10' x 1'	10' x 1'
SHEET BENDING *	Length x Thickness	MM 400 x 2	500 x 4	700 x 3	700 x 4	700 x 5	700 x 5
		INCH 16' x 1/2'	20' x 1/6'	28' x 1/8'	28' x 1/6'	28' x 1/5'	28' x 1/5'
I - BEAM *	Height x Width	MM 120 x 60	160 x 75	200 x 90	250 x 125	300 x 125	320 x 130
		INCH 4 3/4' x 2 3/8'	6 1/4' x 3'	8' x 3 1/2'	10' x 4 7/8'	12' x 4 7/8'	13' x 5 1/8'
MOTOR	400 - 440 V / 3Ph / 50Hz	kW / HP 5.5 KW / 7.5 HP	7.5 KW / 10 HP	11 KW / 15 HP	11 KW / 15 HP	15 KW / 20 HP	18.5 KW / 25 HP
NET WEIGHT	ST 'E' SERIES	KGS / LBS 1800 / 4000	2485 / 5480	4200 / 9260	5800 / 12786	-----	-----
	XT 'E' SERIES	KGS / LBS 2100 / 4630	2890 / 6370	4500 / 9920	6600 / 14550	9000 / 19900	12500 / 27560
GROSS WEIGHT	ST 'E' SERIES	KGS / LBS 2000 / 4400	2665 / 5875	4450 / 9810	6150 / 13660	-----	-----
	XT 'E' SERIES	KGS / LBS 2250 / 4960	3140 / 6925	4775 / 10530	7000 / 15430	9650 / 21275	13200 / 29100
OIL TANK CAPACITY	Ltrs. / Gallons	85 / 22	110 / 30	180 / 48	220 / 60	250 / 66	250 / 66
	MACHINE DIMENSIONS (L x W x H)	MM 1700x900x1880	2000x950x2040	2350x1000x2200	2750x1150x2280	-----	-----
		INCH 68' x 36' x 75'	86' x 38' x 82'	94' x 40' x 88'	110' x 46' x 91'	-----	-----
	XT 'E' SERIES	MM 2000x900x1880	2250x950x2040	2550x1000x2200	2850x1150x2280	2950x1600x2400	3200x1760x2450
VOLUME OF MARITIME PACKING		INCH 80' x 36' x 75'	96' x 38' x 82'	102' x 40' x 88'	114' x 46' x 91'	118' x 64' x 96'	128' x 70' x 98'
	ST 'E' SERIES	CBM 2.87	4.16	5.17	7.2	-----	-----
	XT 'E' SERIES	CBM 3.38	4.65	5.61	7.5	11.32	13.8

\* Manufacturer reserves right to make modifications without prior notice  
 \* Capacities based on a material resistance of 45 kg/mm<sup>2</sup> or 65,000 tensile  
 \* Have to Change the Blades for Optional Accessories  
 \* All Specs based on Material as Per ASTM A 36

\* Different Voltage Options Available for Electric Motor  
 \* ST - Standard Throat  
 \* XT - Xtra Throat  
 \* E - Series = Efficient Series

**Main Advantage**

- Commercially Economical
- Compact Design
- Easy Installation
- Ready to Use
- One Machine Multiple Usage
- Deep Throat
- Quick Punch Change
- Heavy Duty 'Swing Away – Clear View' Stripper
- Full Stroke Adjustment

## MULTI puncher

SINGLE HYDRO – SINGLE OP

MODEL: BPM S 65 T / 85 T / 120 T / 175 T

For Detailed Specs, Please contact us at [info@bmi-global.com](mailto:info@bmi-global.com)

## CNC MULTI puncher

SINGLE HYDRO – SINGLE OP

## MULTI puncher

TWIN HYDRO – DUAL OP

**Dual Punching Station Features**

- Two Working Stations with Different Throats. First Station with Standard Throat and Second Station with Deep Throat, thus making the machine fully compatible with all sorts of Additional Dies and Toolings such as Hole Punching, Crimping, Pipe Notching, Bar Bending, Sheet Bending, Louvre Punching etc..
- Both sides comes with large Machined Gauge Table with Scales and Guides Bars for X & Y position
- T – Slot Bed Plate for Easy Clamping of Dies
- Heavy Duty 'Swing Away – Clear View' Stripper at Both Stations
- Quick Change Nut for Punch and Other Dies
- Comes with Extended Table which can be easily removed to Punch in Angles, Channels and Other Profiles.
- An Emergency Stop and Jog Up Button is Fitted at the Punching Station for Operator Safety and Convenience for Die Setting
- Full Stroke Adjustment
- All Standard worldwide available Hydraulic and Electric Components are installed in the machine.

MODEL	Capacity	Machine Dimensions (L x W x H) mm	Weight
BPM D 65 T	2 x 65 ton	1900 x 950 x 1800	2900 kg
BPM D 85 T	2 x 85 ton	2250 x 950 x 1920	3700 kg
BPM D 120 T	2 x 115 ton	2350 x 950 x 1970	4600 kg
BPM D 175 T	2 x 175 ton	2800 x 1100 x 2160	6750 kg

For Detailed Specs, Please contact us at [info@bmi-global.com](mailto:info@bmi-global.com)**Main Advantage**

- Dual Working
- Doubling Productivity
- One Machine Multiple usage
- NO Foundation Required
- Compact Design
- Eliminates Requirement for Second Punching Machine

**Forwarding Partners****Distributor Details****BAJAJ MACHINERY CORPORATION**

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