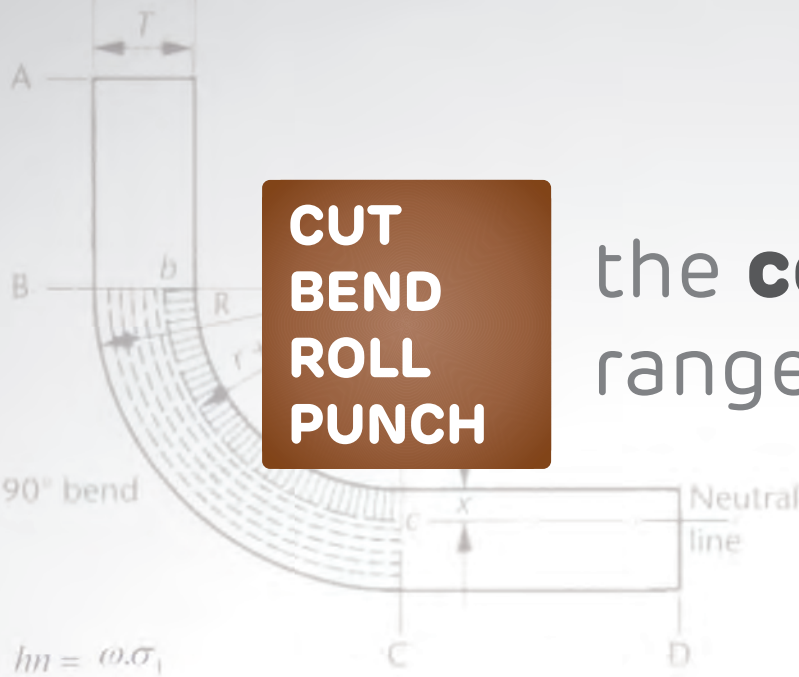
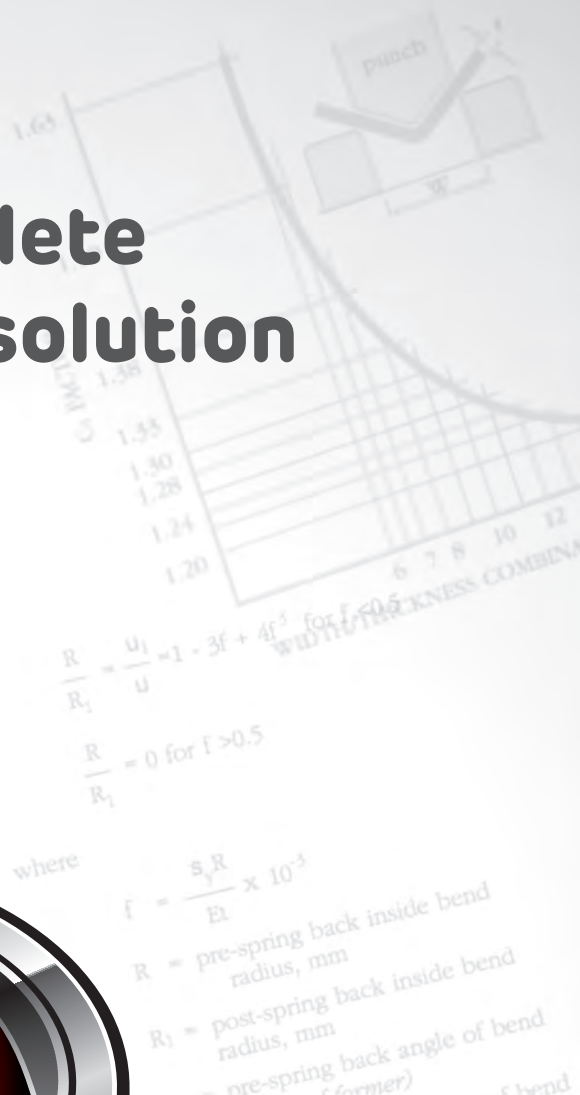


**CUT  
BEND  
ROLL  
PUNCH**

the **complete**  
range of **solution**



$$\begin{aligned}
 hn &= \omega \cdot \sigma_1 \\
 k'n &= \omega \cdot KN \\
 k'l' &= \rho \cdot c \\
 hn &= \sigma_\eta \cdot mn \\
 mn &= P_{\eta\omega} \cdot k'l' - Q_{\theta,\eta} \cdot k'n \\
 mn &= P_{\eta\omega} \cdot \rho \cdot c - Q_{\theta,\eta} \cdot \omega \cdot KN \\
 \omega &= \frac{P_{\eta\omega} \cdot \rho \cdot c}{\sigma_1 + Q_{\theta,\eta} \cdot KN}
 \end{aligned}$$



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**HYDRAULIC BUSBAR**



SCAN FOR LIVE CHAT



**ENERGYMISSION**  
MACHINERIES (INDIA) PVT. LTD.



Energy Mission Machineries (India) Pvt. Ltd. was established in 1999 with strong vision to deliver most reliable & economical solutions in sheet metal industry. Today Energy Mission is one of the fastest growing company with maximum satisfied customer base in India and Abroad.

#### WE ARE LEADING MANUFACTURER OF

- ◆ CNC Servo Hybrid & Synchro Press Brakes
- ◆ NC / Conventional Hydraulic Press Brakes
- ◆ CNC / NC / Conventional Hydraulic Shearing Machines
- ◆ Four / Three Roll Plate Rolling Machines
- ◆ Hydraulic Iron Workers
- ◆ Hydraulic / NC Busbar Cutting, Bending & Punching Machines
- ◆ Single / Double / Triple Action Deep Drawing Presses
- ◆ CNC Servo H & C Type Presses
- ◆ Punching & Blanking Hydraulic Presses
- ◆ CNC V Grooving Machines

#### OUR STRENGTH

- ◆ 22 years of Experience in Manufacturing
- ◆ World Class manufacturing facility spread in 2,50,000 sq.ft
- ◆ Production capacity of 1200 machines per annum
- ◆ More than 5000+ installation across India & Abroad
- ◆ Trained & qualified team of 350 employees
- ◆ Dedicated team for design & development
- ◆ Sales & service network all over India
- ◆ Keen quality control on each component & process
- ◆ Awarded as "Outstanding Entrepreneur of Year" in Year 2008-09 & Year 2014-15

#### OUR VISION

We at "Energy Mission" believe to deliver high quality products at competitive price supported by best service support. To achieve this mission, we have developed in-house manufacturing facilities, focused manufacturing processes with in-depth technology know-how, sales network associates across India & abroad. Enthusiastic team of customer care is always ready to rush within shortest time at the doorstep of customer or any requirements. Our skilled workforce has a proven performance record in satisfying diverse needs of customers around the globe.

# MANUFACTURING FACILITY



## FLOOR BORING MACHINE

- ♦ In house single reference machining Facility ensures required quality parameters.
- ♦ CNC Floor Boring machines with Traverse Travel of 9 mtr & 8 mtr.
- ♦ Heavy duty 360° Machining position Rotary table

## CNC TURNING & VERTICAL MILLING CENTRE

- ♦ High-tech CNC lathe with 8 station turret for precise cylinder component machining
- ♦ CNC Vertical milling machine with 24 stations auto Turret
- ♦ CNC boring machine suitable for Concave & Convex shapes machining.



## CNC PLANO MILLER

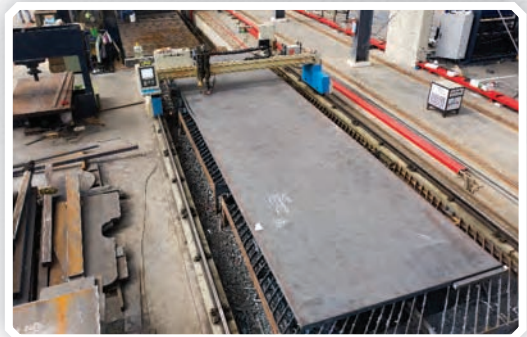
- ♦ CNC Plano Milling machines Up to 6 meter bed length
- ♦ Multiple head Single reference Machining
- ♦ Accurate, repetitive & fast operation reduces Production time & cost

## INFRASTRUCTURE



### CNC PLASMA CUTTING

- ◆ Precise & Fast CNC plasma cutting with X & Y controlled axis suitable for 4 mtr wide & 13 mtr long plates.
- ◆ Precise & accurate cutting accelerates manufacturing process.
- ◆ Inbuilt Nesting Facility to reduce wastage & production time



### SHOT BLASTING UNIT

- ◆ Environment Friendly surface preparation Facility to remove rust and corrosive materials from the surface
- ◆ Capacity to handle up to 7 mtr. Long Plates & Assembly Structures



### PAINT BOOTH UNIT

- ◆ Cross Draft type Paint booth facility to make painting & refinishing parts & Fabricated structures
- ◆ Suitable for 10 Mtr. Long Plates & Assembly Structures



# BUSBAR

BENDING | CUTTING | PUNCHING

## ► SALIENT FEATURES

- ♦ Energy Mission Busbar Machine is design to give effective solution for Busbar Cutting, Bending & Punching in One Machine
- ♦ Manual Turret Punching design with Six station which avoid time to change Die & Punch in Punching station
- ♦ Direct Shearing Avoids any waste of Material
- ♦ Horizontal Bending Operation Suitable for Complex & Z Type Bending
- ♦ Manual Gauge stopper for Shearing & Punching Station
- ♦ Parallel Operation for all three work station

## STANDARD ACCESSORIES

- ♦ Main Drive Motor
- ♦ Electric Control Panel
- ♦ Hardened & Grounded HCHCr Blade on Shearing Station
- ♦ Six different type of Punches & Dies mounted in Punching Station
- ♦ Two Dies & Two Punches Suitable to Bending Station

## OPTION FEATURES



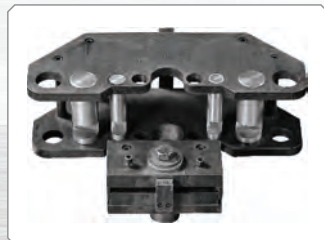
## NC VALUE ADDITION

The NC Busbar Machine is an advance technology machine for getting more productivity, accuracy & easy bending operation. The NC controller offers quick & easy programming of complex bending Job...

NC Basbar



Embossing Tool



Edge Bending Tools



Twisting Tool



Special Tools for  
Punching / Bending Station



Bending Station







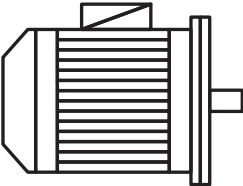


Cutting Station



Punching Station



TECHNICAL SPECIFICATION		BU 30	BU 50	BU 80
Cylinder Force		30 MT	50 MT	80 MT
<b>PUNCHING STATION</b> 	Size of punching	Ø4.3 - Ø25	Ø4.3 - Ø32	Ø4.3 - Ø36
	Max. Punching Copper	Ø25 x 8 mm	Ø32 x 10 mm	Ø36 x 12 mm
	Max. Punching Aluminium	Ø25 x 10 mm	Ø32 x 12 mm	Ø36 x 14 mm
	Capsule Punching Copper	21 x 17 & 10 Thk.	21 x 17 & 12 Thk.	21 x 17 & 14 Thk.
	Capsule Punching Aluminium	21 x 17 & 12 Thk.	21 x 17 & 14 Thk.	21 x 17 & 16 Thk.
	No. of strokes/min.	8	5	4
	No. of Turret	6	6	6
<b>SHEARING STATION</b> 	Shearing Copper	10 x 150 mm	12 x 200 mm	14 x 250 mm
	Shearing Aluminium	12 x 150 mm	14 x 200 m	16 x 250 mm
<b>BENDING STATION</b> 	Horizontal bending Copper	10 x 150 mm	12 x 200 mm	14 x 260 mm
	Horizontal bending Aluminium	12 x 150 mm	14 x 200 mm	16 x 260 mm
<b>BENDING STATION</b> 	Vertical bending Copper (Optional)	10 x 100 mm	12 x 120 mm	14 x 120 mm
	Vertical bending Aluminium (Optional)	12 x 100 mm	14 x 120 mm	16 x 120 mm
<b>OPTIONAL TOOLS</b>				
<b>BENDING STATION</b> 	Embossing Tool	Optional	Optional	Optional
<b>BENDING STATION</b> 	Twisting Tool	Optional	Optional	Optional
<b>BENDING STATION</b>	Numerical Control (NC)	Optional	Optional	Optional
<b>TECHNICAL DATA</b> 	Mode of Operation	Parallel	Parallel	Parallel
	Gauging	Manual	Manual	Manual
	Motor Power	3 HP x 3 Nos.	5 HP x 3 Nos.	7.5 HP x 3 Nos.
	Overall Dimensions (LxWxH) Approx.	2000 x 1400 x 1300 mm	2100 x 1600 x 1550 mm	2500 x 2000 x 1700 mm
	Machine Weight Approx.	1500 Kg.	2200 Kg.	3800 Kg.
	Oil Tank Capacity	120 Litre	130 Litre	235 Litre

The Company reserves right to change Technical Specifications without prior notice.

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