



# Transmission Towerline Machinery





## TECHNICAL SPECIFICATIONS

PARTICULAR	HAN - 60	HAN - 80	HAN - 100	HAN - 150		
<b>Functions</b>						
Construction Type	Constructed in "C" Frame					
Capacity In MT	60	80	100	150		
Max. Notch Thickness	10mm HT	12mm HT	12mm HT	16mm HT		
Blade Length	154mm (1 Pc Punch)	220mm (1 Pc Punch)	300mm (1 Pc Punch)			
Machine Body Rotation Type	Manual Revolving					
Machine Body Rotation Degree	180°					
Stroke Length	60					
Cycle time	20-22 Strokes/Min.					
Motor (HP)	7.5	10	15	20		
Working Height Up to Die	850					
Machine Dimension	1075 x 1015 x 1450	1150 x 1015 x 1560	1300 x 1015 x 1610	1450 x 1100 x 1700		
Net Weight (Apr.)	1950 KG	2250 KG	2600 KG	3200 KG		
<p>The HPT Angle Notching Machine is constructed in C Frame with rigid body. This machine is mainly composed of Notching Tool with Adjustable Clearance. The HPT Notching machine comes with Double Bearing for easy body rotation of 180°. The notching die is pillar guided. Slide Guiding System is on 2 Gunmetal Bush Guiding System with double guided cylinder. The upper Punch is 1 Piece Punch and Blades are rotatable all the 4 edges can be used by rotating it and reused after surface grinding.</p>						



## TECHNICAL SPECIFICATIONS

PARTICULAR	HIS - 100	HIS - 150	HIS - 180
Construction Type	Constructed In" C" Frame		
Capacity In MT	100 MT	150 MT	180 MT
Number Of Letter	12 Nos	16 Nos	20 Nos
Max. Angle Size	225 x 225 x 25		
Number Of Cassette	1 Nos		
Size Of character	12 X 20 mm		
Marking Depth	1 mm		0.8 To 1 mm
Stroke Length	40 mm		45 mm
Cycle Time	25 To 30 Strokes/Min.		
Cylinder Type	One Piece Body		
Working Height Up to Die	800 mm		
Motor (HP)	12.5 HP	15 HP	20 HP
Machine Dimension	1900 x 820 x 1355 mm	2050 x 900 x 1400	2225 x 950 x 1475
Net Weight (Apr.)	4500 KG	6000 KG	6800 KG

The HPT Stamping Machine are constructed in C Frame with rigid body of heavy thick plates. The Cylinder body is one piece made from solid bar after boring. The machine comes with load bearing plate (Heat Treated & Ground) on bolster.



Marking



Punching



Cutting



Pincher



Finish Part



Operating Panel



### Description:

The CNC Line Machines are designed that gives low maintenance with good production rates.

These machines are automatic special production line used for Angles & Channels Cutting, Punching & Marking mainly in the field of tower line industries, electric power fittings, agriculture industries, structure storage facilities, steel structure works industries and many more.

#### Key Features

- Adaptive Positioning System with continuous engaging hold down Reduces cycle time & clamping time Improves Accuracy Enhanced Efficiency.
- Direct/Quicker Loading System Reduces operation time Increased Productivity Eliminates Maintenance.
- The Pincher is Designed with Vertical Up Down Movement Smooth Functioning Increases Operational efficiency.
- Separate Servo Motor & Hydraulic Cylinder For Each Punch Station that Eliminates Dependency on Each Other and Reduces Waiting Time Accurate Positioning.
- Touch Controlled IPC is provided, Program can be transferred directly from USB or LAN.
- Quick Change Of Die & Punch Rapid replacement of tool Cost Saving Reduced Downtime.
- Marking unit adopts closed frame with good rigidity Stable & precise marking Accurate results on the workpiece.
- Angle Shearing tool mounted on front side Easy changeable Multi Corner Shearing Punch: For precise shearing Multi Edge Shearing Die: For Longer Life. Saw cutting system for heavy thickness shearing.
- Hydraulic System Designed At Zero pressure Eliminates overheating & leakage Saves power consumption.
- Pneumatic System Is Eliminated No need for Air Compressor No Maintenance of Air Compressor.
- High Speed is achieved with an advanced hydraulic system.
- All hydraulic and electrical components used are of well-known brands which are available worldwide easily.

### TECHNICAL SPECIFICATIONS

MODEL	HA708	HA1010	HA1212	HA1412	HA1516	HA2020	
Functions	CNC Angle Punchin, Cutting & Marking Machines						
Angle Size min.(mm)	30x30x3	40x40x3	40x40x4	40x40x4	50x50x5	60x60x5	
Angle Size Max. (mm)	70x70x8	100x100x10	120x120x12	140x140x12	150x150x16	200x200x20	
No. Of Character	16						
Max. Punching Diameter (mm)	Ø 32						
Tools Per Flange (No.)	2		3				
Marking force (kN)	1600						
Punching force (kN)	500	600	700	700	900	1150	
Shearing force (kN)	700	1200	1600	2000	2800	4500	
Material Grade	550 N/mm <sup>2</sup> (HT Grade)						

**Note:** Based On Material Strength Of 550 N/MM<sup>2</sup>

Illustrations, Dimension & Weights Are Not Binding As Design Are Constantly Being Reviewed



## TECHNICAL SPECIFICATIONS

MODEL	HA2525	HA2532	HA3535
Functions	CNC Angle Drilling, Marking Machines		
Angle Size min.(mm)	100 x 100 x 8	120 x 120 x 10	120 x 120 x 10
Angle Size Max. (mm)	250 x 250 x 25	250 x 250 x 32	350 x 350 x 35
No. Of Character	16		
Max. Drilling Diameter (mm)	Ø 17.5 ~ Ø 40		
Tools Per Flange (No.)	3 + 3(ATC)		
Marking	Cassatte Type / Rotary Marking		
Shearing	Up to 200 x 200 x 20 mm (Optional)*		-
Material Grade	550 N/mm <sup>2</sup> (HT Grade)		

**Note:** Based On Material Strength Of 550 N/MM2

Illustrations, Dimension & Weights Are Not Binding As Design Are Constantly Being Reviewed



## TECHNICAL SPECIFICATIONS

PARTICULARS	HIPM - 7084	HIPM - 7088	HIPM - 7158
Construction Type	Constructed In "C" Frame		
Punching Pressure (kN)	700		
Max Plate Size (mm)	800 X 400	800 X 800	1500 X 800
Punch Capacity (Diameter x Thickness)	26 X 16mm		
Punching Speed	1.5 Sec/Stroke		
Material Strength	550 N/mm <sup>2</sup>		
No. Of Cylinders	Individual Cylinders 2 For Punching + 1 For Marking		
No. Of Tools	2P + 1M = 3		
Min. Margin From Plate Edge To Punching Centre (mm)	22 - 25		
Marking Capacity (kN)	1600		
No. Of Characters	16		
Character Size (mm)	16 X 10 X 19		
Marking Type	Cassette Type		
Motor (HP)	25		
Working Height Up to Die	800 mm		
Machine Dimension	2350 x 2700 x 2350	3150 x 2700 x 2350	3250 x 4200 x 2550
Net Weight (Apr.)	6500 KG	7350 KG	8700 KG

Note : Punching Dia. Can Be Done Up to 32mm, Punching Cylinder Capacity Will Be Increased, If required please freely discuss.



## TECHNICAL SPECIFICATIONS

PARTICULARS	HIPMD - 7084	HIPMD - 7088	HIPMD - 7158
Construction Type	Constructed In" C" Frame		
Punching Pressure (kN)	700		
Max Plate Size (mm)	800 X 400	800 X 800	1500 X 800
Punch Capacity (Diameter x Thickness)	26 X 16mm HT		
Material Strength	550 N/mm <sup>2</sup>		
Punching Speed	1.5 Sec/Stroke		
No. Of Cylinders	Individual Cylinders 2 For Punching + 1 For Marking		
No. Of Tools	2P + 1M + 1D = 4		
Min. Margin From Plate Edge To Punching Centre (mm)	22 - 25		
Marking Capacity (kN)	1600		
No. Of Characters	16		
Character Size (mm)	16 X 10 X 19		
Marking Type	Cassette Type		
No. Drilling Head & Tool	1		
Drill Adapter Type	BT 40		
Drilling Dia. (mm)	10-32		
Spindle Rotation Speed (rpm)	3500		
Spindle Power (kW)	5-7		
Min. Margin From Plate Edge To Drill Centre (mm)	Depends On Hole Diameter		
Motor (HP)	25		
Working Height Up to Die (Approx.)	800 mm		
Machine Dimension	2350 x 3000 x 2350	3150 x 3000 x 2350	3250 x 4500 x 2550
Net Weight (Apr.)	7000 KG	7800 KG	9000 KG

Note : Punching Dia. Can Be Done Up to 32mm, Punching Cylinder Capacity Will Be Increased, If required please freely discuss.



## TECHNICAL SPECIFICATIONS

PARTICULARS	HAB - 85	HAB - 110
Construction Type	Constructed In "C" Frame	Constructed In "C" Frame
Capacity In MT	85 MT	110 MT
Max. Diameter X Thickness	32 X 12mm HT	32 X 16mm HT
Material Strength	550 N/mm <sup>2</sup>	
Machine Body Rotation	Push Buttons	
Machine Body Rotation Degree	45° Both Sides Left & Right	
Stroke Length	60mm	
Cycle Time	15 - 16	
Motor (HP)	10 HP	
Working Height Up to Die	800 mm	
Machine Dimension	1025 x 1150 x 1350 mm	1150 x 1350 x 1500 mm
Net Weight (Apr.)	1500 KG	2000 KG

The HAB - Hole After Bend Punching Machine is Constructed and C Frame with rigid body. The Hydraulic Cylinder is made with Double Guided Rod For Anti-Deflection, Brass Guide for Anti-Rotation. Machine body tilting on both direction right and left direction at 45°. Body tilting by hydraulic system to avoid any maintenance of gearbox.

We support :



## HYDROPOWER-TECH ENGINEERING

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