



Hydraulic Iron Worker Machine

CNC Cutting, Punching & Marking Machine

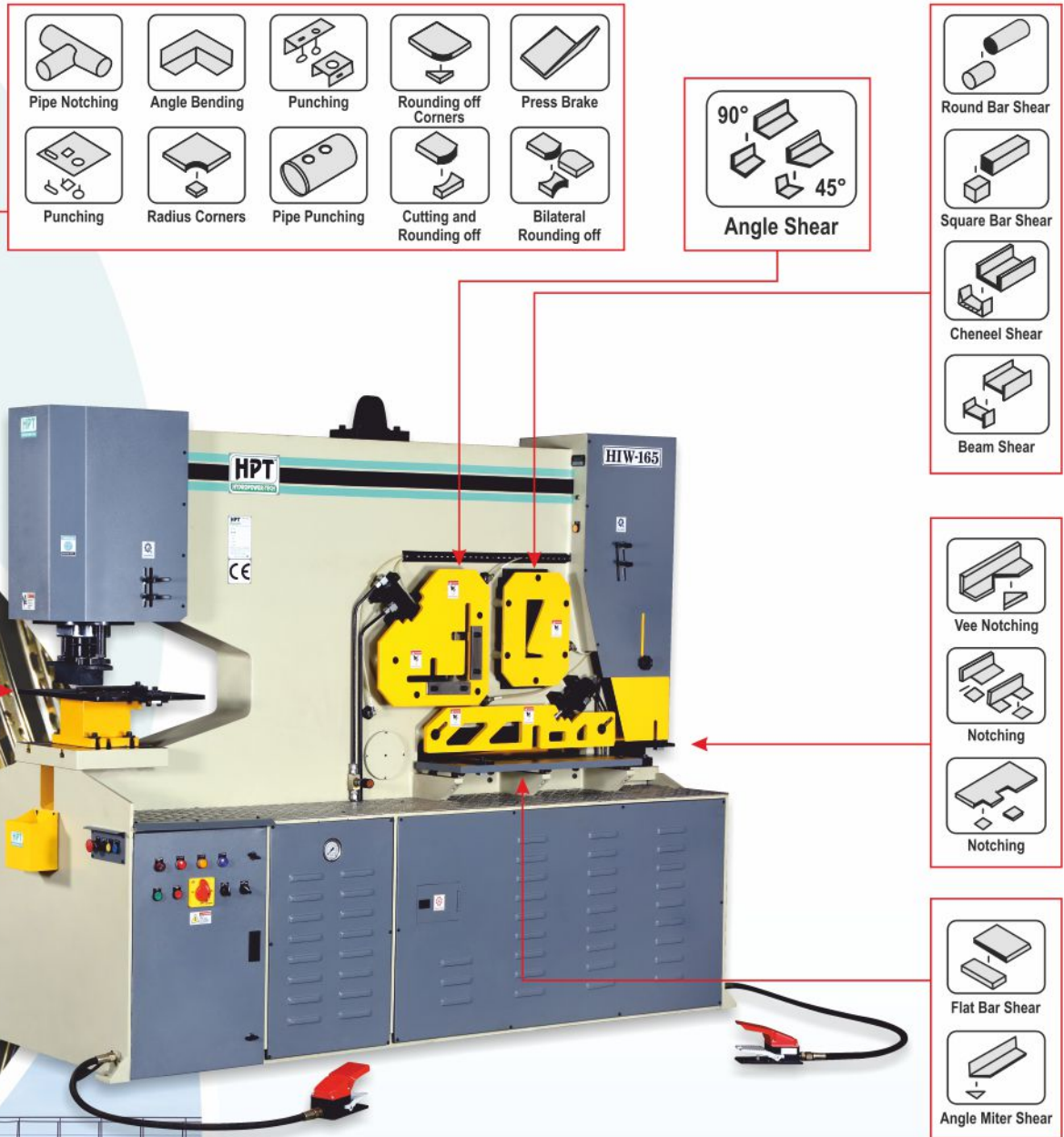




Hydraulic Iron Worker Machine

Introduction

The HPT Iron Worker has been designed by highly experienced engineers with powerful CAD design, modern production line with CNC-VMC machines, culminating in the most efficient and practical way of punching, shearing, and bending of flats and sections. So the machine saves your labour, time, energy, and cost. This versatility aspect allows the HPT Iron Worker to meet the diversified needs of the metal fabricating industries. These IRON WORKERS are the most economical and efficient machines in the industry for the manufacturing of metal products.









Silent Features

Easily changeable punches and dies for fast tool change. Thoughtfully designed stripper for visibility, safety, and ease of use. Standard gauging table or optional multi-stop gauging table or optional duplicating gauging table. Optional hydraulic stripper is available on double cylinder ironworkers and punching machines. Back gauge can be positioned in either the angle, flat bar, or round bar section of the machine.

Application

5 in 1 Hydraulic Iron Worker Machine are generally used in fabricated shops. Machine use for punching, angle cutting, C-channel cutting, I-beam cutting, round bar-square bar cutting, flat plate shearing.

TECHNICAL SPECIFICATION

PARTICULAR	HIW - 55	HIW - 65	HIW - 85	HIW - 110	HIW - 110 EX	HIW - 135	HIW-165
PUNCHING 							
Punching Pressure	55 Ton	65 Ton	85 Ton	110 Ton	110 Ton	135 Ton	165 Ton
Punch Capacity	22 x 16	22 x 20	26 x 22	30 x 25	30 x 25	33 x 28	36 x 32
(Diameter x Thickness)	45 x 8	50 x 9	50 x 12	50 x 15	50 x 15	50 x 18	50 x 23
Throat Depth In S / SD Model	275 / -	310 / 510	310 / 510	310 / 510	310 / 510	- / 570	/ 570
Maximum Stock Length	100	100	100	100	100	100	100
Cycles / Min. (20mm Stroke)	25 / 32	20	21	21	21	20	25
Working Height Up to Die	910	910	950	950	950	1020	1050
FLAT SHEARING 							
Flat Bar Shear	300 x 12	350 x 15	460 x 15	610 x 16	610 x 16	610 x 18	760 x 20
(Width x Thickness)	240 x 16	240 x 20	300 x 20	400 x 20	400 x 20	400 x 25	400 x 30
Blade Length	310	360	465	620	620	620	770
Angle Flange Trim	65	75	100	100	100	100	120
Working Height	820	920	920	950	950	950	950
ANGLE SHEARING 							
At 90 Shearingt	100 x 100 x 10	130 x 130 x 13	152 x 152 x 13	152 x 152 x 15	152 x 152 x 15	152 x 152 x 18	200 x 200 x 20
At 45 Miter Shearing	50 x 50 x 6	65 x 65 x 8	80 x 80 x 10	80 x 80 x 10	80 x 80 x 10	80 x 80 x 10	80 x 80 x 10
Working Height	1080	1150	1150	1150	1150	1160	1160
BAR SHEARING 							
Round Bar Shear (Dia.)	32	40	50	50	50	50	60
Square Bar Shear	32 x 32	38 x 38	50 x 50	50 x 50	50 x 50	50 x 50	60 x 60
Channel Shear	125*	152*	180*	180*	200*	200*	250*
I Beam Sheart	125*	152*	180*	180*	180*	180*	200*
Working Height	1150	1300	1300	1315	1315	1315	1375
NOTCHING 							
Rectangular (W x D x T)	50.8 x 90 x 6	50.8 x 90 x 9	50.8 x 90 x 12	63.5 x 90 x 12	63.5 x 90 x 12	63.5 x 90 x 13	63.5 x 90 x 16
Vee-Notcher (Side x Side x T)	80 x 50 x 6*	90 x 90 x 8*	90 x 90 x 10*	105 x 105 x 12*	105 x 105 x 12*	105 x 105 x 13*	105 x 105 x 16*
Large Vee-Notcher (Side x Side x T)	/	145 x 145 x 8	145 x 145 x 10	145 x 145 x 12	145 x 145 x 12	145 x 145 x 13	145 x 145 x 13
Working Height	850	850	860	860	860	860	920
OPTIONAL TOOLING 							
Single Vee Press Brake (W x T)	250 x 10	250 x 15	250 x 15	250 x 20	250 x 20	250 x 20	250 x 20
Multi Vee Press Brake (W x T)	400 x 5	500 x 5	500 x 5	700 x 5	700 x 5	700 x 5	700 x 6
Angle Bending	76 x 6	102 x 6	102 x 8	102 x 13	102 x 13	102 x 13	102 x 13
Pipe Notching (Dia.)	114	114	114	114	114	114	114
OTHER							
Electric Power (HP)	7.5 HP	7.5 HP	10 HP	10 HP	10 HP	15 HP	20 HP
Net Weight (Apr.) S / SD	2300 / 2300 kg	2600 / 3100 kg	2950 / 3250 kg	3600 / 3900 kg	3950 / 4200 kg	4800 / 5200 kg	6100 / 6500 kg
Machine Dimension (Apr.) (LxWxH)	1750 x 750 x 1800	1970 x 800 x 2000	2100 x 820 x 2060	2340 x 860 x 2110	2400 x 920 x 2150	2420 x 980 x 2150	2550x1050x2150

> Based On Material Strength Of 450 N/MM²

> (*) Optional

> Illustrations, Dimension and Weights Are Not Binding As Designs Are Constantly Being Reviewed.



Hydraulic Punching Machine



MODEL	HIP - 45	HIP - 55	HIP - 65	HIP - 85	HIP - 110	HIP - 135	HIP - 165
PUNCHING							
Punching Pressure	45 Ton	55 Ton	65 Ton	85 Ton	110 Ton	135 Ton	165 Ton
Punch Capacity	Ø20 x 15	Ø22 x 16	Ø22 x 20	Ø26 x 22	Ø30 x 25	Ø33 x 28	Ø36 x 32
(Diameter x Thickness)	Ø50 x 5	Ø50 x 7	Ø50 x 9	Ø50 x 12	Ø50 x 15	Ø50 x 18	Ø50 x 22
Throat Depth	S	270	310	310	310	-	-
	SD	510	510	510	510	510	510
	XD	760	760	760	760	760	760
Maximum Stroke Length	100	100	100	100	100	100	100
Cycles/min. (20mm Stroke)	30	30	22	22	21	20	20
Working Height Up to Die	910	910	910	950	950	1020	1110
Electric Power	5 HP	7.5 HP	7.5 HP	10 HP	10 HP	15 HP	20 HP

Note : > Based On Material Strength Of 450 N/MM²
 > Illustrations, Dimension and Weights Are Not Binding As Designs Are Constantly Being Reviewed.

HYDROPOWER-TECH ENGINEERING

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