



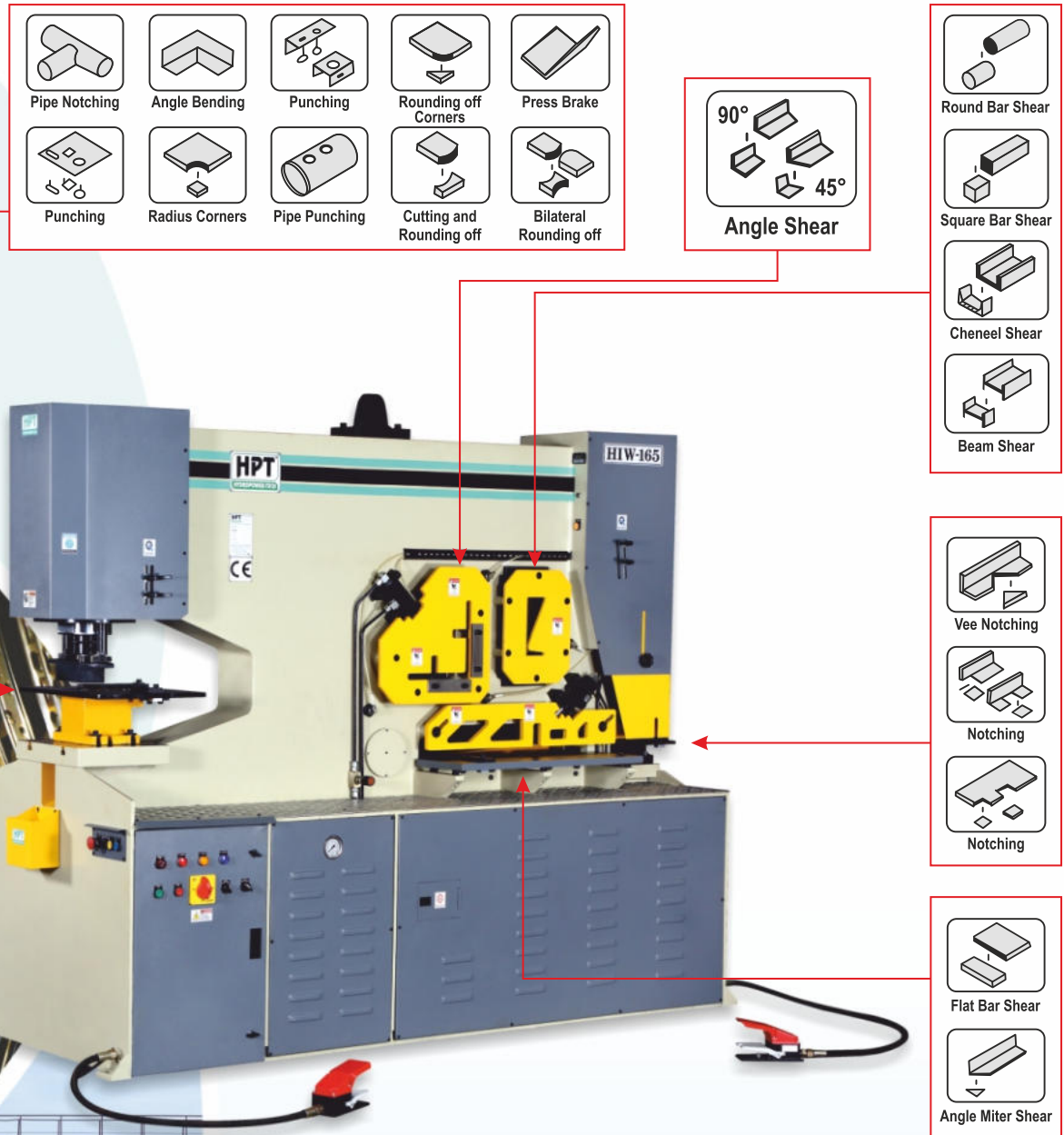
Hydraulic Iron Worker Machine

CNC Cutting, Punching & Marking Machine



Introduction

The HPT Iron Worker has Been Designed By highly experience Engineers with Powerful CAD Design, Modern Production line with CNC-VMC Machines, Culminating in most efficient and practical way of Punching, Shearing and bending of flats and section. So machine save your labour, time, energy and cost. This versatility aspect allows the HPT Iron worker to meet the diversified needs of the metal fabricating industries. This IRON WORKERS are the most economical and efficient Machines in the Industry for the manufacturing of metal product.



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 fabricated shop. 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	HIW-220
PUNCHING 								
Punching Pressure	55 Ton	65 Ton	85 Ton	110 Ton	110 Ton	135 Ton	165 Ton	220 Ton
Punch Capacity	22 x 16	22 x 20	30 x 20	30 x 25	30 x 25	33 x 28	36 x 32	40 x 38
(Diameter x thickness)	45 x 8	50 x 9	50 x 12	50 x 15	50 x 15	50 x 18	50 x 23	50 x 30
Throat Depth in S/SD Model	310 / -	310 / 510	310 / 510	310 / 510	310 / 510	570 / -	570 / -	570 / -
Maximum Stock Length	100	100	100	100	100	100	100	100
Cycle/ Min. (20mm Stroak)	22	20	21	21	21	20	25	25
Working Height up to die	910	910	950	950	950	1020	1050	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	760 x 25
(Width x Thickness)	240 x 16	240 x 20	300 x 20	400 x 20	400 x 20	400 x 25	400 x 30	425 x 30
Blade Length	310	360	465	620	620	620	770	720
Angle flange Trim	65	75	100	100	100	100	120	120
Working Height	820	920	920	950	950	950	950	950
ANGLE SHEARING 								
Angle 90 Shearing	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	200 x 200 x 20
Angle 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	100 x 100 x 10
Working Height	1080	1150	1150	1150	1150	1160	1160	1160
SECTION & BAR SHEARING 								
Round Bar Shearing	32	40	50	50	50	50	60	70
Square Bar Shearing	32 x 32	38 x 38	50 x 50	50 x 50	50 x 50	50 x 50	60 x 60	60 x 60
Channel Shearing	125	152*	180*	180*	200*	200*	250*	300*
I Beam Shearing	125	152*	180*	180*	180*	180*	200*	300*
Working Height	1150	1300	1300	1315	1315	1315	1375	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	63.5 x 90 x 18
Vee-Notcher (Side x Side x T)	80 x 80 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*	105 x 105 x 16*
Working Height	850	850	860	860	860	860	920	920
OPTIONAL TOOLING 								
Single V Press Break (W x T)	250 x 10	250 x 15	250 x 15	250 x 20	250 x 20	250 x 20	250 x 20	250 x 20
Multi V Press Break (W x T)	400 x 5	500 x 5	500 x 5	700 x 5	700 x 5	700 x 5	700 x 6	700 x 6
Large V-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	145 x 145 x 15*
Angle Bending	76 x 6	102 x 6	102 x 8	102 x 13	102 x 13	102 x 13	102 x 13	102 x 13
Pipe Notcher (Dia.)	114	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	25 HP
Net Weight (Apr.) S / SD	2300 / 2300 KG	2600 / 3100 KG	2950 / 3250 KG	3600 / 3900 KG	3950 / 4200 KG	5200 KG	6500 KG	7800 KG
Machine Dimension (L x W x H)	1750x750x1800	1970x800x2000	2100x820x2060	2340x860x2110	2400x920x2150	2420x980x2150	2550x1050x2150	2700x1200x2250

> Based On Material Strength Of 450 N/MM²

> (*) Optional

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



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	Ø45 x 8	Ø50 x 9	Ø50 x 12	Ø50 x 15	Ø50 x 18	Ø50 x 22
Throat Depth	S	275	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)	25	22	22	22	21	20	20
Working Hight 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
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HYDROPOWER-TECH ENGINEERING

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