

Leading
Technology



HYDRAULIC IRON WORKERS

SINGLE & DOUBLE CYLINDER SERIES



DOUBLE CYLINDER IRON WORKERS

STANDART FEATURES

- Easy Replaceable Punch Holder
- Punch & Tool
- Angle Cutting Blade
- Flat Bar Cutting Blade
- Notching Blade
- Solid Bar Cutting Blade
- 1000mm Electrical Back Gauge
- Foot Pedal with Emergency Stop Button
- Hook Wrenche

OPTIONAL FEATURES

- Bending Tool (SET)
- IPN (NPI), UPN (NPU), T Profile Section Blade
- 90° Special V Notching Blade
- Bottom Blade Connection Fixture for 90° Special V Notching Blade Bottom
- T - NPU - NPI Section Punching Die Fixture
- Special Punch & Tool Options



Machine body produced with advanced technology.
Excellent cutting precision.
New generation design with high performance.

GENERAL FEATURES

- Cut in five different stations to reduce cost, energy and job loss.
- It is manufactured from welded and welded steel stem with static and dynamic rigidity to ensure long service life and maximum productivity.
- These models are operated by double cylinder and double foot pedal. The punch side and the combined side can operate at the same time or independently of each other.
- High and precious safety is ensured against accidents that may occur during use with safety cage systems in the existing five cutting stations.



SINGLE CYLINDER IRON WORKERS

STANDART FEATURES

- Easy Replaceable Punch Holder
- Punch & Tool
- Angle Cutting Blade
- Flat Bar Cutting Blade
- Notching Blade
- Solid Bar Cutting Blade
- 1000mm Manual Back Gauge
- Foot Pedal with Emergency Stop Button
- Hook Wrenche

OPTIONAL FEATURES

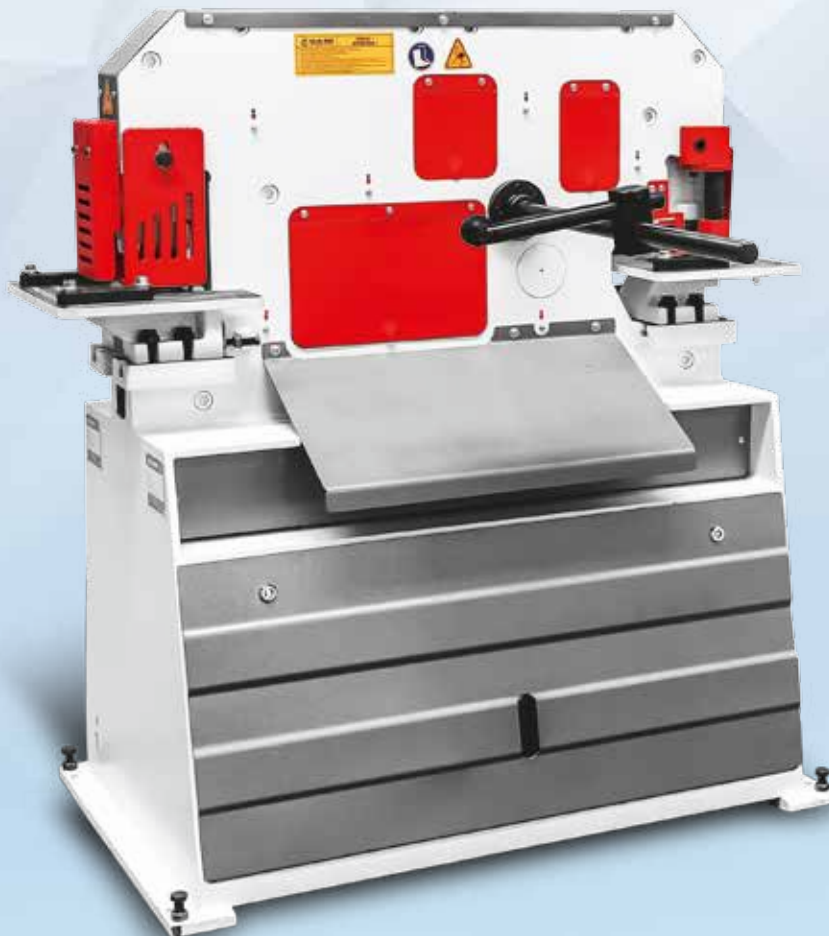
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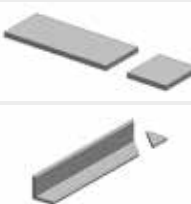

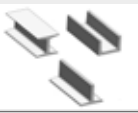


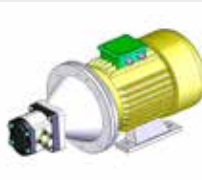
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IRON WORKERS

	PUNCHING		HKM 45	HKM 60	HKM 65	HKM 85	HKM 115	HKM 175 DB	
	mm	Diameter x max . Tickness	Ø 22 x 15	Ø 28 x 15	Ø 26 x 20	Ø 33 x 20	Ø 34 x 26	Ø 40 x 32	
	mm	Diameter x tickness	Ø 38 x 8	Ø 38 x 11	Ø 57 x 10	Ø 57 x 12	Ø 55 x 16	Ø 57 x 22	
	mm	Diameter x min . tickness Optional (*)	Ø 100 x 3	Ø 110 x 3	Ø 110 x 3	Ø 110 x 4	Ø 110 x 5	Ø 125 x 5	
	mm	Stroke	35	50	55	80	80	80	
		Stroke count in (20mm stroke)	x 20	x25	x25	x25	x25	x22	
	mm	Throat depth	190	225	305	355	405	625	
	mm	Working height	935	935	1005	1070	1070	1130	
	STEEL BAR SHEARING								
	mm	Round / Square	Ø 30 25	Ø 40 35	Ø 45 45	Ø 50 50	Ø 55 50	Ø 65 55	
	mm	Working height	1115-1180	1195-1135	1115-1195	1295-1200	1250-1160	1330-1235	
	ANGLE SHEAR								
	mm	Angle section (90°)	100x100x10	120x120x12	130x130x13	150x150x15	160x160x16	200x200x20	
	mm	Angle section (45°)	60x6	70 x 7	70 x 7	80 x 8	80 x 8	80 x 8	
	mm	Working height	1135	1130	1130	1190	1190	1160	
	SHEET METAL SHEAR								
	mm	Sheet metal	200 x 15	200 x 20	300 x 20	380 x 20	380 x 25	380 x 30	
	mm	Sheet metal	300 x 12	300 x 15	375 x 15	480 x 15	600 x 15	600 x 20	
	mm	Blade lenght	320	320	380	485	610	610	
	mm	Shearing with angle	80 x 8	80 x 8	100 x 10	120 x 12	120 x 12	120 x 12	
	mm	Working height	940	930	895	930	905	905	
	NOTCHING								
	mm	Thickness	8	10	10	13	13	16	
	mm	Width	35	42	45	52	60	65	
	mm	Depth	100	100	100	100	100	100	
	mm	Working height	940	940	895	915	940	940	
	OPTIONAL TOOLS								
	mm	NPU -NPI Section blades	80 x 45	80 x 45	120 x 58	160 x 74	200 x 90	300 x 125	
	mm	T - Section blades	40 x 5	80 x 9	90 x 11	100 x 11	120 x 13	150 x 15	
	mm		Special V-Notching tooling	100x100x8	100x100x10	100x100x10	100x100x13	100x100x13	100x100x13
	mm	V Bending Press brake	Bar bend. max. capacity	100 x 12	100 x 12	250 x 15	250 x 20	250 x 22	250 x 25
			Sheet Bending Max.			500 x 3	500 x 3	700 x 3	700 x 4
	mm	Punching on notcher	Bar bend. max. capacity	110	110	110	110	110	110
			Max. Capacity	18 x 12	20 x 12	38 x 8	38 x 10	38 x 12	38 x 12
	GENERAL INFORMATION								
	Kw	Motor power	4	4	5,5	7,5	11	11	
	Ton	Capacity	45	60	65	85	115	175	
	mm	Length	1330	1460	1685	1865	2045	2810	
	mm	Height	1460	1575	1765	1890	2030	2210	
	mm	Width	770	770	770	770	770	1020	
	Kg	Appoximate Weight	1200	1400	1700	2250	3150	5750	
	mm	Working Height	935	935	1005	1070	1070	1130	

Based on material strenght 450 N/mm². HILALSAN has right to change catalogue values and machine technical details without notice. Misprints are not restrictive.

BACK GAUGE SYSTEM

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HKM Double Cylinder Series - Motorized Back Gauge with 1000 mm course



HKM Single Cylinder Series - Manual Back Gauge with 1000 mm course



IRON WORKERS

PUNCHING STATION

Easy-to-open stripper punch



Flat Bar Punching



Angle Section Punching

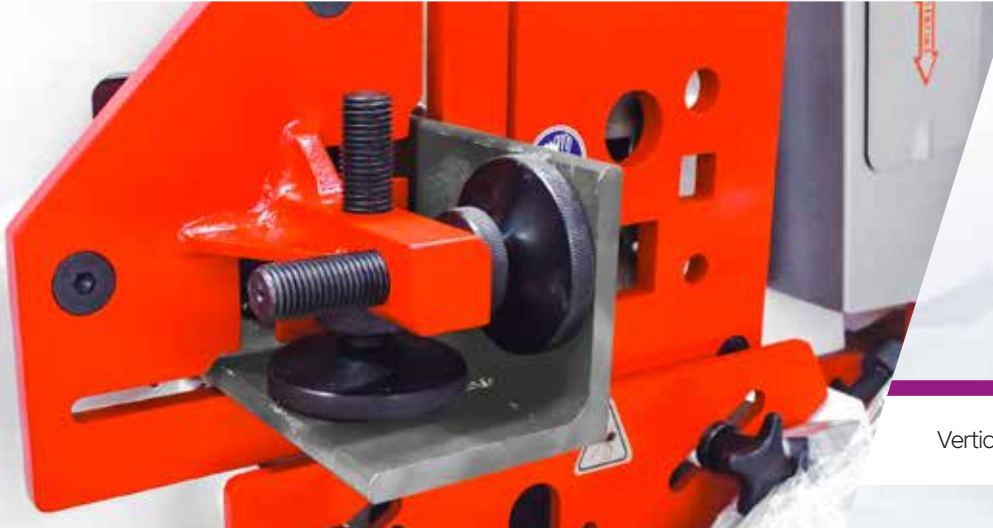
Thanks to the large work surface, the user can drill multi-purpose holes.

Fast and precise punching is achieved with the easily removable punch and matrix connection system as standard and the easy-to-open scraper. It allows punching of different types of materials as well as flat materials.

It has the ability to make horizontal and vertical support docking for punched material.

ANGLE CUTTING

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Vertical Angle Cutting



Vertical Angle Cutting



Horizontal Angle Cutting

Thanks to the four-handed blades and easy-to-handle holders, smooth and precise cutting is possible.

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NOTCHING STATION

Thanks to the standard blades it is possible to make rectangular corner notching and triangle notching with special knife. The V-Notching station can be easily installed. Thanks to the wide use table, unlimited and vertical corner notching can be done.

Uncut Section



Cut Section



FLAT BAR CUTTING STATION

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Flat Bar Cutting



Angle Cutting

Easy adjustable holders ensure fastening of the material to be cut and precise cutting is achieved. Thanks to the blades designed using advanced technology, material cutting in different thicknesses can be done without any other apparatus.

IRON WORKERS

SOLID BAR CUTTING

Easy adjustable holders ensure fastening of the material to be cut and precise cutting is achieved. Thanks to the blades designed using advanced technology, material cutting in different thicknesses can be done without any other apparatus.

Rectangular Bar Cutting



Round Bar Cutting





NPU & NPI Section Punching



NPU & NPI Section Punching



Punch & Tool Option in
different sizes



NPU-NPI Blades



Double Cylinder
Bending Tool



Single Cylinder Bending Tool



CNC Press Brake



CNC Press Brake



Cnc Variable Rake Hydraulic Guillotine Shear



Nc Guillotine Shear



Guillotine Shear with Reducer



Guillotine Shear with Reducer



Double Cylinder Hydraulic Iron Worker



Single Cylinder Hydraulic Iron Worker



Hydraulic Drawing Press