

# DOUBLE CYLINDER SERIES

## 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

## 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.

## 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
- 
- These models 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 ensured against accidents that may occur during use with safety cage systems in the existing five cutting stations.





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



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HYDRAULIC IRON WORKERS

# SINGLE CYLINDER SERIES

## 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

- 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

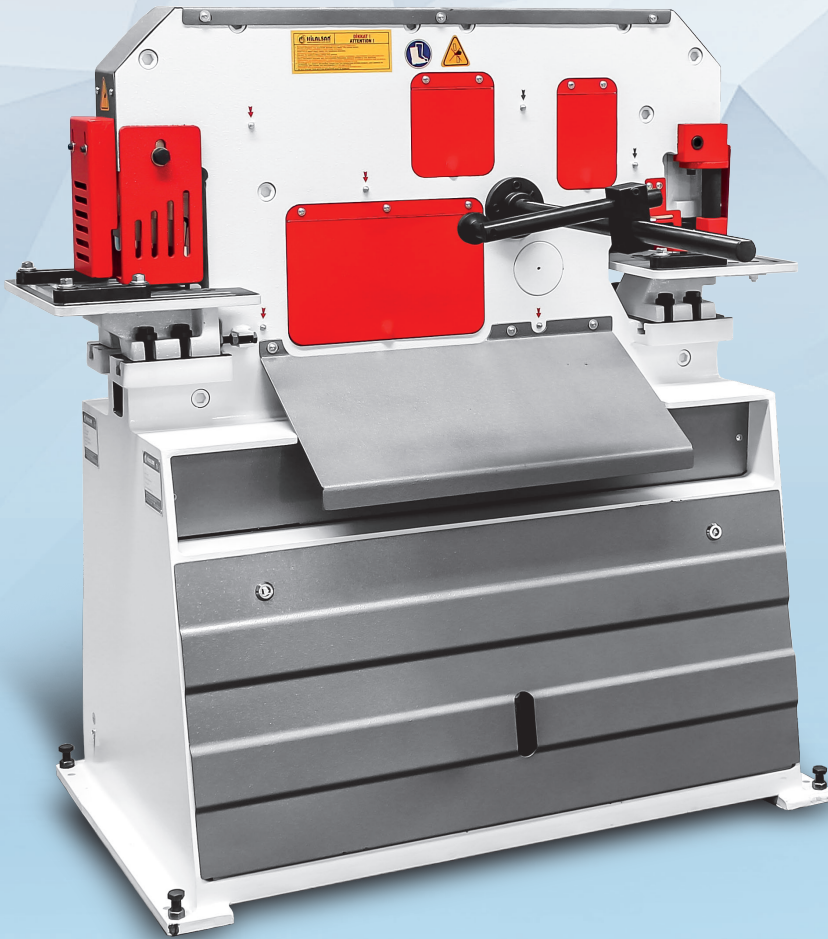




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#### GENERAL FEATURES

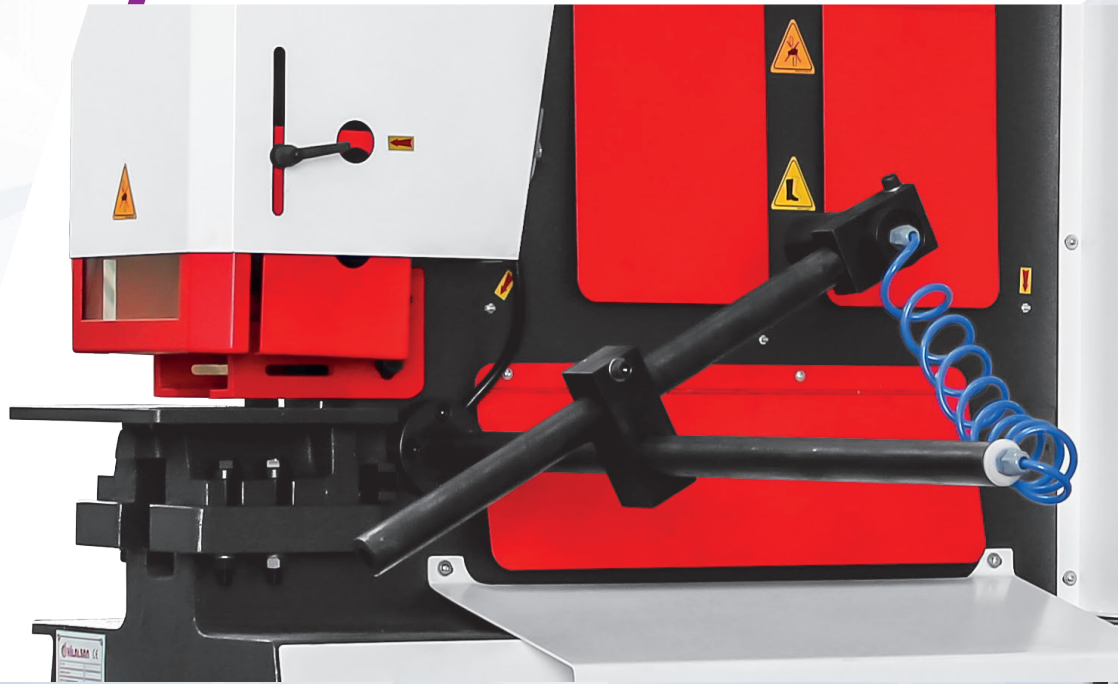
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- It is manufactured from welded and welded steel stem with static and dynamic rigidity to ensure long service life and maximum productivity.
- High and precious safety ensured against accidents that may occur during use with safety cage systems in the existing five cutting stations.



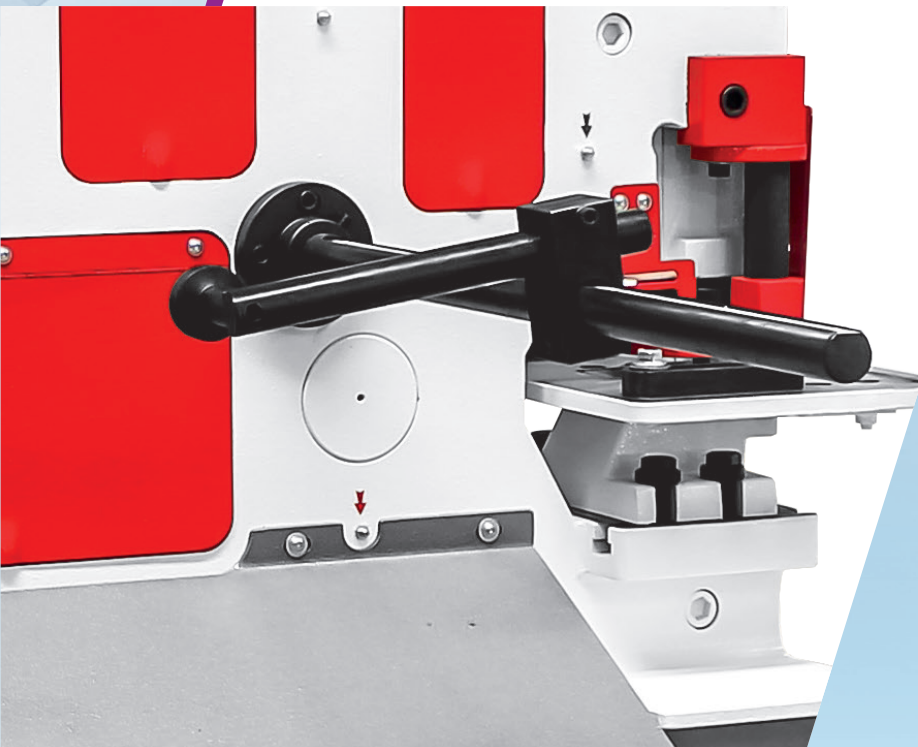
# DOUBLE - SINGLE CYLINDER SERIES

	<b>PUNCHING</b>		<b>HKM 45</b>	<b>HKM 60</b>	<b>HKM 65</b>	<b>HKM 85</b>	<b>HKM 115</b>	<b>HKM 175 DB</b>	
	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	
	<b>STEEL BAR SHEARING</b>								
	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	
	<b>ANGLE SHEAR</b>								
	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	
	<b>SHEET METAL SHEAR</b>								
	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	
	<b>NOTCHING</b>								
	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	
	<b>OPTIONAL TOOLS</b>								
	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
	mm		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
	mm		Max. Capacity	18 x 12	20 x 12	38 x 8	38 x 10	38 x 12	38 x 12
	<b>GENERAL INFORMATION</b>								
	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	

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



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

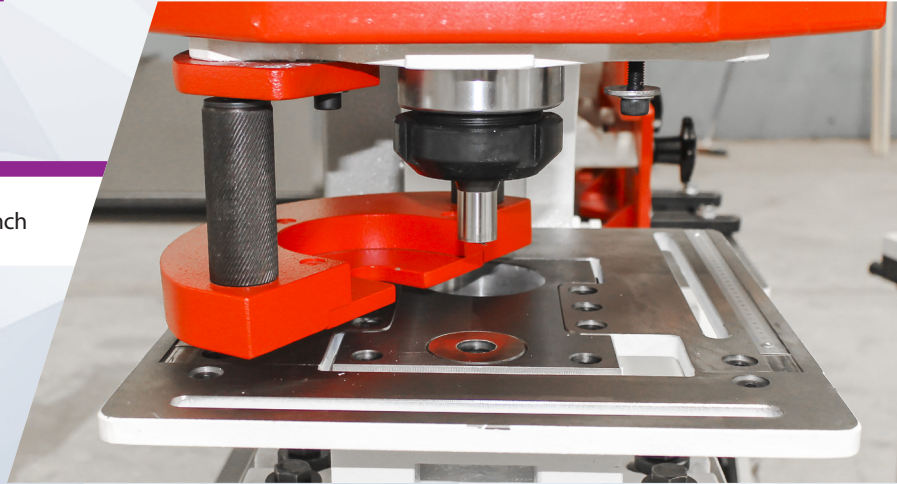


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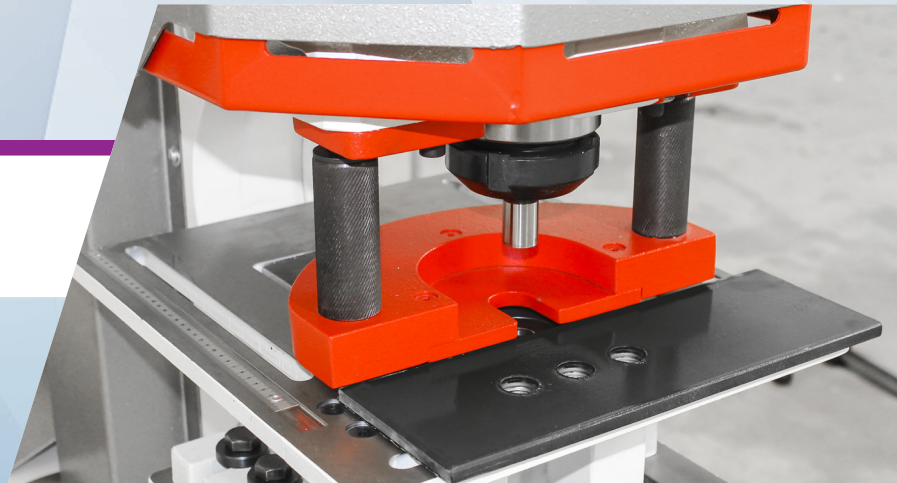
# DOUBLE - SINGLE CYLINDER SERIES

## PUNCHING STATION

Easy-to-open stripper punch



Flat Bar Punching



Angle Section Punching

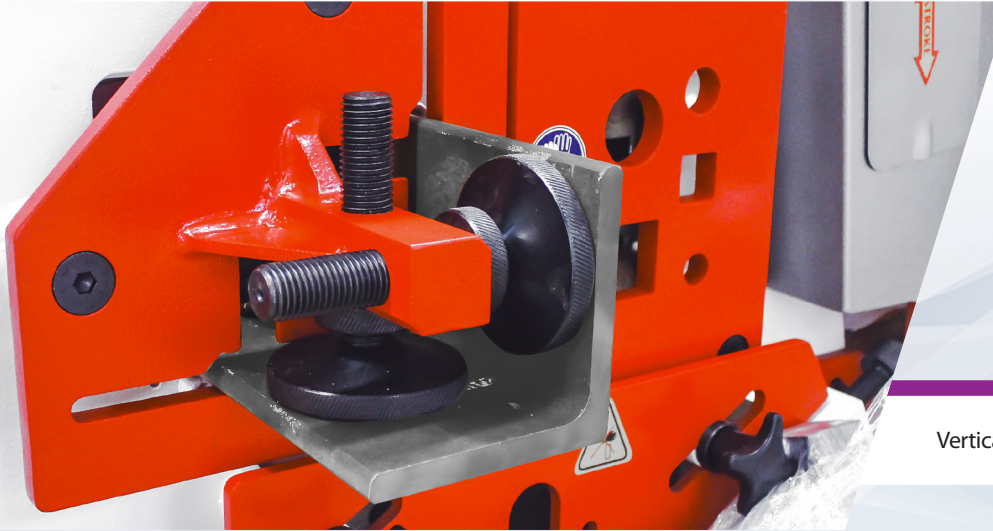


Thanks to the large work surface, the user can drill multipurpose holes.

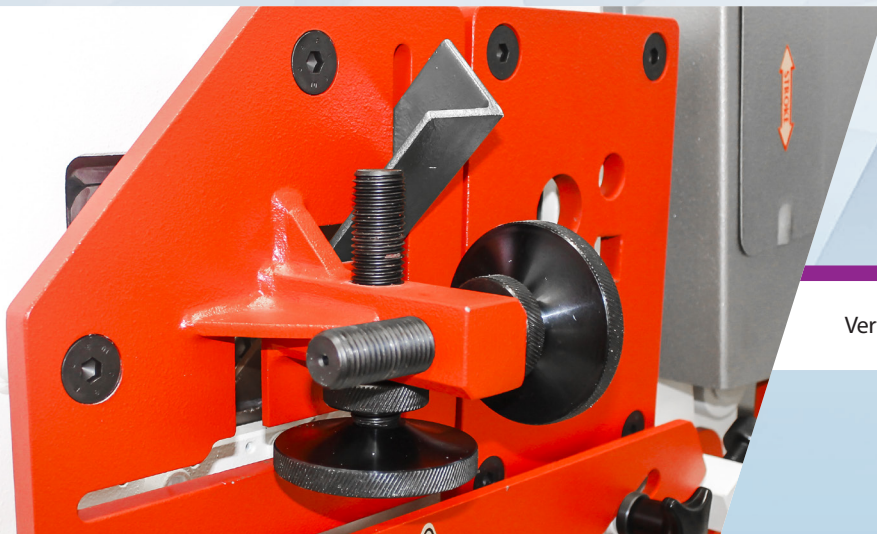
Fast and precise punching achieved with the easily removable punch and matrix connection system as Standard and the easy-to-open scraper.

It allows punching of different types of materials as well as flat materials.

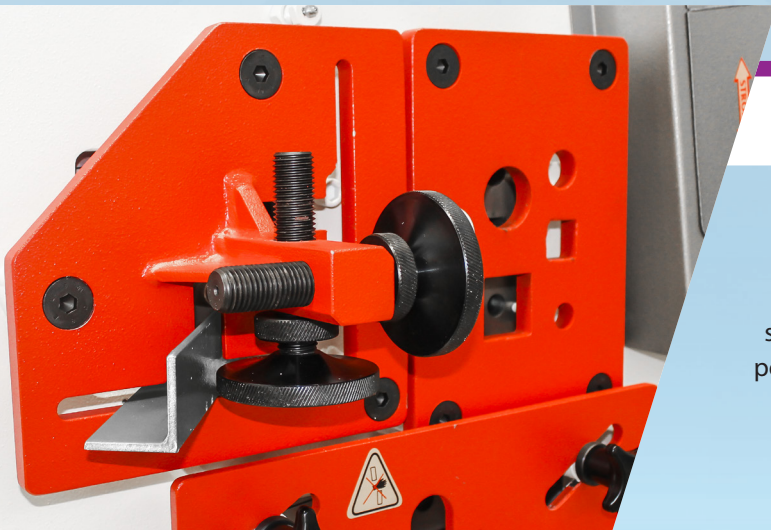
It has the ability to make horizontal and vertical support docking for punched material.



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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## DOUBLE - SINGLE CYLINDER SERIES

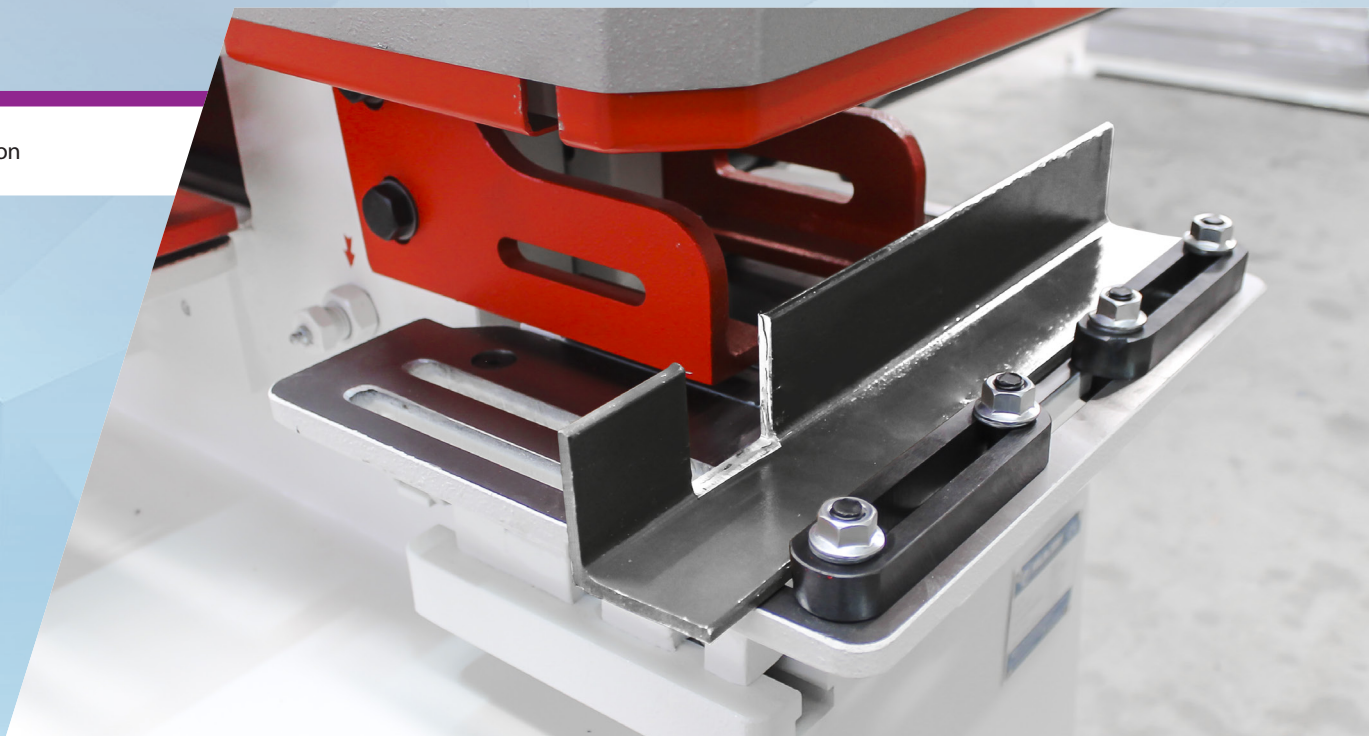
### NOTCHING STATION

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

Uncut Section



Cut Section





Flat Bar Cutting



Angle Cutting

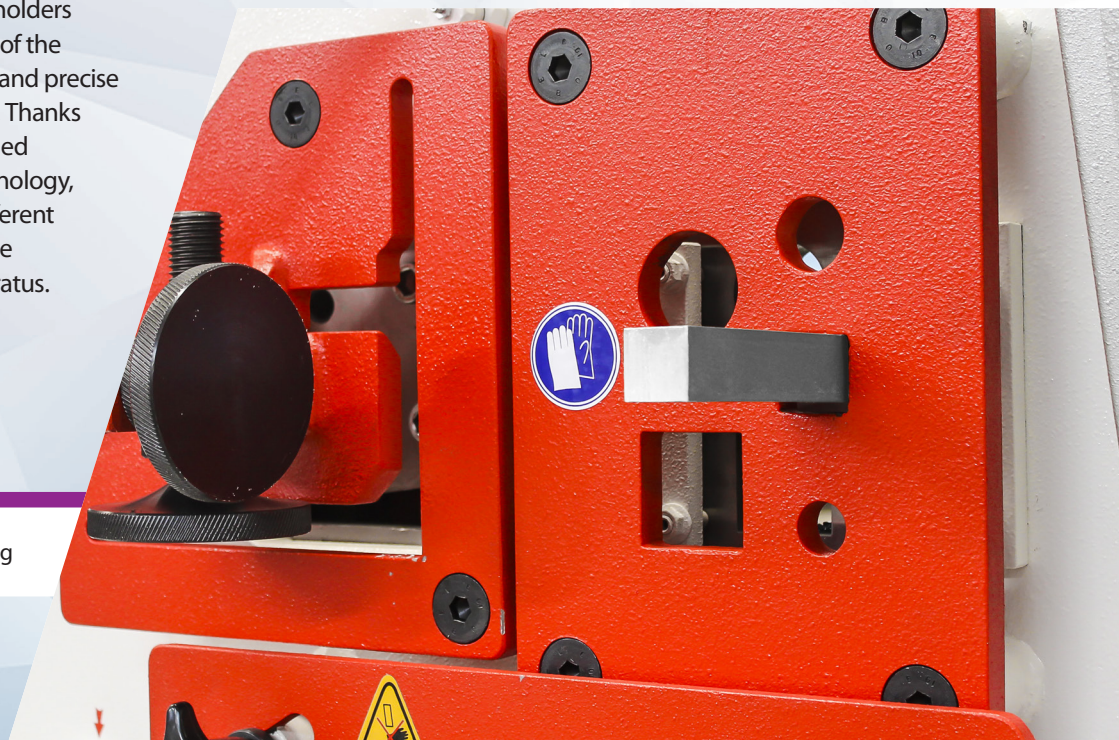
Easy adjustable holders ensure fastening of the material to be cut and precise cutting is achieved. Thanks to the blades designed using advanced technology, material cutting in different thicknesses can be done without any other apparatus.

# DOUBLE - SINGLE CYLINDER SERIES

## SOLID BAR CUTTING

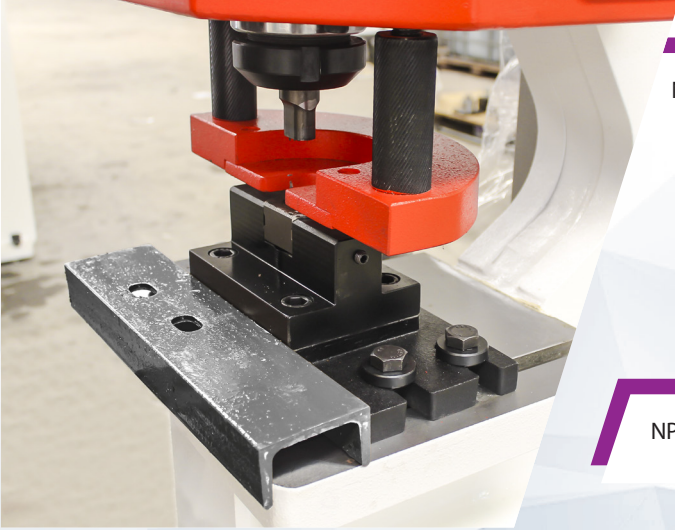
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Rectangular Bar Cutting



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