

Innovative Technologies.



**EKM SERIES**  
Iron Worker

**ERMAKSAN**  
SHEET METAL WORKING MACHINERY

### **EKM SERIES** *Iron Worker*

EKM series IronWorker is renewed as a result of Ermaksan engineering studies while it is designed with 3D CAD software and manufactured with accurate CNC machinery.

EKM series contain stations for punching, profile cutting, square and round bar profile cutting, flat sheet cutting and corner notching. Each work station provides accuracy and ease of use while ensuring safety with special covers.

EKM series will be your best choice to fulfill your expectations for price, efficiency and quality rates.

Rigit structure.  
Machined with high accuracy,  
dynamic and static stiffness provided.

#### **Efficient cut, economic solution;**

EKM series IronWorker is contributing your business in economic powers while increasing your production efficiency with its unique cutting technology.

Double foot pedal.  
Two operators can work simultaneously with double foot pedal.  
(Only double cylinder models)

# Efficient cut, economic solution



Finger protection.

Finger protection that matches with international safety standards, presents a great visual working area to operator.

Foot pedal.

Foot pedal with safety mechanism allows you to conduct automated cuts.

# Discrete cutting solutions

- Perfect choice for your precise cutting works
- Durable rigid structure even under harsh conditions
- Easy installation without lay-out problems
- User-friendly

- State of the art rigid body, that is designed with Solidworks software in 3D, satisfied in static and dynamic stiffness, produced from mono-block st44-1 quality of steel and relieved from welding tension.
- Durable, hardened and grinded tools are renowned with quality and reliability and able to conduct accurate cuts.
- World famous compact HOERBIGER hydraulic system, which has high credibility and is compatible with CE standards.
- SIEMENS electrical system.

## Discrete cutting solutions;

You can execute profile, bar, flat sheet cuts, corner notches and punches without any need of skilled workman.



L profile cutting station.  
U, H, I, T like special profile cutting solutions on demand.





Angle Shearing Station



Bar Shearing Station



Notching Station



Punching Station



Flat Bar Shearing Station



Top and bottom tools.  
Waste time is avoided with simple interchangeable tool system.

### EKM SERIES

#### Iron Worker

#### Technical Features

		EKM 50	EKM 50 M	EKM 60/120	EKM 80/150	EKM 110/180 DB
Motor Power	KW	3	3	5.5	11	11
Oil Capacity	lt	40	40	80	80	80
Weight(Apr.)	kg	985	1060	1475	2784	3780
Machine Dimension (Apr.) (L x W x H)	mm	1430x1445x1450	1460x1445x1520	1480x1450x1780	2170x1940x2010	2525x1940x2195
<b>PUNCHING</b>						
Punching Pressure	ton	50	50	60	80	110
Punch Capacity (Max.Diameter x Thickness)	mm	Ø27x13	Ø27x13	Ø40x10	Ø40x14	Ø40x20
Punch Capacity (Diameter x Max.Thickness)	mm	Ø18x18	Ø18x18	Ø20x20	Ø24x24	Ø28x28
Throat Depth	mm	180	180	250	510	610
Stroke lenght	mm	22	22	60	70	80
Cycles /Min. (15 mm stroke)	piece	20	20	35	38	28
Table Size	mm	550x310	550x310	550x370	550x630	550x625
Working Height up to Die	mm	1015	1015	1080	1200	1250
<b>FLAT SHEARING</b>						
Flat Bar (max. thickness)	mm	200x16	200x16	200x20	300x20	400x20
Flat Bar (max. width)	mm	300x13	300x13	300x15	450x15	600x15
Blade Length	mm	310	310	310	475	610
Angle Flange Trim	mm	80	80	60	80	100
Working Height	mm	1025	1030	900	1025	1075
<b>ANGLE SHEARING</b>						
At 90° Shearing	mm	80x80x8	80x80x8	120x120x10	130x130x13	152x152x13
At 45° Miter Shearing	mm	-	60x60x6	70x70x7	70x70x7	70x70x7
Working Height	mm	1080	1218	1150	1250	1285
<b>BAR SHEARING</b>						
Round Bar Shear	mm	30	25	16-40	45	50
Square Bar Shear	mm	30	22	16-40	45	50
Working Height	mm	1145	1180	1100	1310	1375
<b>NOTCHING</b>						
Material thickness	mm	7	7	10	12	13
Rectangular Notcher (width)	mm	40	40	42	52	52
Rectangular Notcher (depth)	mm	50	50	90	90	90
Vee-Notcher (Side x Side x T)	mm	40x45x7	40x45x7	42x42x10	52x52x12	52x52x13
Working Height	mm	1030	1030	975	1015	1075
<b>OPTIONAL EQUIPMENTS</b>						
Largest Hole(Max. Diameter)	mm	Ø100	Ø100	Ø160	Ø160	Ø160
Single Vee Press Brake(W x T) (V=80)	mm	-	-	250x10	300x10	300x10
Multi Vee Press Brake(W x T)	mm	-	-	500x5	600x6	600x8
U Profil Shear	mm	100	100	120	140	160
I Profil Shear	mm	100	100	120	140	160
T Profil Shear	mm	40	40	50	60	60
Vee90 Notcher(Side x Side x T)	mm	75x75x4	75x75x4	95x95x6	125x125x6	125x125x6
Tube Notch(Max. Outside Diameter)	mm	60	60	60	60	60

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