



ERMAKSAN
METAL FABRICATING MACHINERY

*innovative **technologies.***

"Since 1965"

PRODUCT OVERVIEW





ERMAKSAN
METAL FABRICATING MACHINERY



High Tech CNC Machines
manufactured by Ermaksan;

- New Generation Fiber Lasers
- CO₂ Lasers
- Press Brakes
- Servo Motorized Hybrid Press Brakes
- Plasma Cutting Machines
- Punch Presses
- Shears
- Iron Workers

innovative technologies.

After half a century, Ermaksan is moving confidently into the future.

With 50 years of technological investment and our innovative R&D department, Ermaksan has become one of the world's leading companies in the sheetmetal fabrication machinery industry.

Ermaksan is a pioneer in the industry with strong R&D department, 80.000 m² modern production facility, highly qualified team of 800 employees are dedicated to high quality manufacturing of our machines.

Our factory is equipped with the latest industry leading precision CNC machines. Under the supervision of expert engineers, the factory manufactures 3,000+ machines annually. Ermaksan is one of the world's leading companies in the industry represented by exclusive dealers around the world with strong technical support in 70 countries.

Ermaksan designs and manufactures durable, productive, and value based machines. We do this by, continuously meeting customer demands and exceeding industry standards towards sustainable growth.





With 80.000 m² area, the biggest production plant under one-roof in its sector.

**Machining capacity of 28.000 mm single part,
3.000 machines manufactured annually.**

Ermaksan Machinery has the capability to produce 3.000 machines annually, by using their production plant which is the biggest facility under one-roof in its whole sector in Europe.

Ermaksan Machinery has also the capability of flexible production for tailor-made machines, in order to meet its customers' demands.





3.000 machines manufactured annually.

Micron-rated precision achieved with Travelling Column Duplex Milling Machines;

The quality and precision of Ermaksan machines come from first the manufacturing technology we use. All machine frames are being precisely milled with one time set-up referencing on machining center tables.

Such as travelling column duplex milling machine, another 28 mm stroked milling machine with rotary table, etc, after welding and stress releasing by vibration technology processes.



FIBERMAK Momentum Gen-3



Design awarded machine;

**Prepare to meet the
New Fibermak!**

Brand new stunning design, improved ergonomics for optimised work flow, flawless cut quality, high efficiency and high cutting capacity, we proudly introduce the new Fibermak.

New Generation Fiber Laser.

Customer benefits

- 70% energy saving and high productivity.
- 3 times faster thin material cutting.
- Low investment costs.
- Ergonomic details.
- Fly-cut technology.
- Flexibility to cut different types of material.
- 2-3 times more part cutting with 24 hours mass production.
- Lower cutting costs compared to your competitors.
- Lantek Expert Cut, Almacam and Metalix CAD/CAM software.
- Hundreds of machines working all around the world.
- Optional pipe cutting system.
- Software is fully developed by Ermaksan engineers.
- Optional sheet loader and unloader system (Tower).
- Optional nozzle changer and cleaner.
- Durable choice for your precise cutting works.

Laser source	0,5 / 1 / 2 / 3 / 4 / 6 kW
Table dimensions*	1,25x2,5 m / 1,5x3 m / 2x4 m / 2x6 m
Material types	Mild steel - Stainless steel
	Aluminum - Copper - Brass

* Please contact us for special table size.

Ergonomic details

The opening roof offering more access, storage cells for equipment that you need regularly, fast, ergonomic design, user-friendly 17" colour touch screen controller to mention just a few of the new features on the Gen 3 Fibermak.



FIBERMAK **RAPTOR** *Fiber Laser Cutting Machine*



RAPTOR Fiber Laser Cutting machine, compared to the standard FIBERMAK it has modular and ergonomic design in consideration, the external structure occupies less space, is built to be an alternative solution, without compromising cut quality.

Quality, accurate, modular!...

Customer benefits

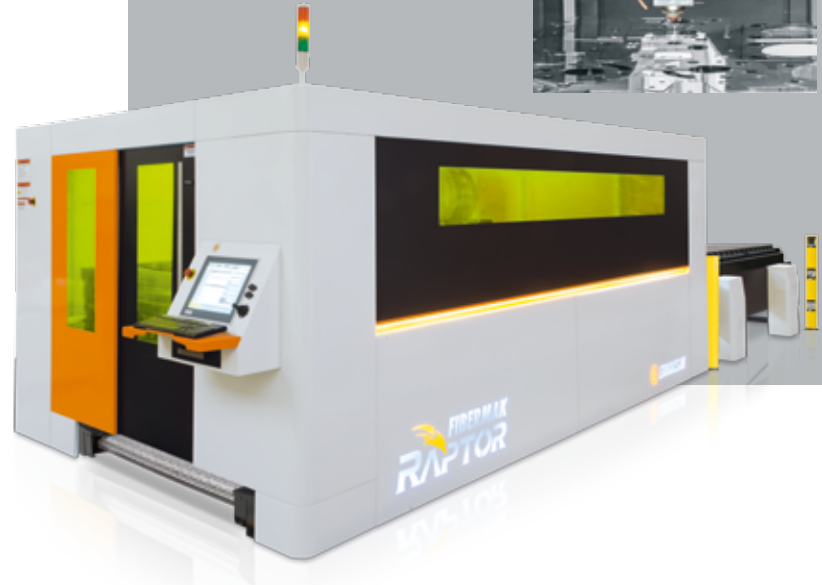
- Modular and ergonomic design
- 0.5 G acceleration 50mt / min.
- The extraction unit
- Conveyor
- The load unit
- 15-inch touch screen controller
- Servo motor technology
- High-precision cutting head
- Standard 500 W or 1 kW laser unit

Laser source	0,5 / 1 kW
Table dimensions*	1,5x3 m
Material types	Mild steel - Stainless steel
	Aluminum - Copper - Brass

* Please contact us for special table size.

Cutting head features

- * Manual Adjustable Focus Lens
- * Precise Height Control
- * Bottom Protection Glass
- * Piercing Air System



EPL PLASMA SERIES *Plasma Cutting Machine*



ERMAKSAN is continuing to provide wide and flexible solutions with its new plasma cutting machine. It has accurate cutting quality, advantageous low working and investment costs, it can be conveniently placed in any production line due to its flexible automation solutions.

ERMAKSAN plasma cutting machine can easily be operated and carried. It is produced using the latest production technologies and well-known worldwide standard CNC equipments.

ERMAKSAN EPL plasma cutting machine does not lose its precision over time and requires the minimum amount of maintenance and consumables, helping you to generate more profit for your company.

High productivity and accurate cutting quality.

Customer benefits

- Low investment cost.
- Maximum efficiency.
- 2-3 times more parts produced per hour.
- 15" touch screen Hypertherm® EDGE® PRO controller.
- TurboNEST® CAD/CAM Software and torch system for precise cuts.
- Hypertherm® plasma generator and torch system for accurate cuts.
- Lower cutting costs compared to your competitors.
- Hundreds of machines working all around the world.
- Easy installation and training.
- Durable choice for your precise cutting works.

Plasma source	130 / 260 / 400 / 800 A
Table dimensions*	1,5 m to 36 m
True Hole™ technology.	Yes / optional
5 axis cutting	Yes / optional
Pipe and Tube cutting	Yes / optional

* Please contact us for special table size.

Explore new dimension for your products with 5 axis EPL plasma machines.

5 axis plasma cutting machine equipped with the latest True Hole™ technology produces quality cuts from the first minute cutting.



ETP-S *Servo Drive CNC Turret Punch Press*



ETP CNC Turret Punch Presses crown the quality of the structure using Servo Drive instead of hydraulic, combines world-recognized electronic and mechanical equipment in a single machine.

Faster, more precise, more environment friendly...

Customer benefits

- 40% energy saving and maintenance-free direct drive design
- No energy consumption during stand-by and material loading-unloading periods
- O type stress-free and hardened mono-block rigid body structure
- Fanuc CNC and highly precise, dynamic, brushless servo motors
- 3 pieces of automatically repositionable clamps and sheet detecting switches
- Automatic tool lubrication can be controlled individually per each tool through the CAM program or CNC
- Tool wear off or tool stacking, maintenance warning sensors
- Remote commanding of the machine through the foot pedal
- Metalix offline software

Power	20 Ton / 30 Ton
Station	27 / 33
Max. sheet size without repositioning	1250 x 2000 mm / 1250 x 2500 mm / 1250 x 3000 mm / 1500 x 2500 mm / 1500 x 3000 mm
Clamp type	Pneumatic clamps with auto positioning
Automatic tool lubrication	Standard

Oil free working Servo Drive System

Combination of low speed and high torque, 3 times more burden capacity servo motor with automatic recognition of motor parameters, online update, motor over-heat protection servo drive.





CNC Turret Punch Press



ERMANSAN is a leading brand within the punching market place due to its experience and quality standards. ETP CNC Turret Punch Press combines the world's best brands in hydraulic, electronic and mechanical compounds in one machine.

Specifically designed to meet customer requirements; its rigid steel structure + mono block frame allows you to punch up to 6 mm thick sheets.

High speed with maximum accuracy.

Customer benefits

- It is designed to decrease learning time to the minimum.
- It allows users to produce parts on the first day with its simple and user-friendly menu guide.
- It decreases data input significantly by using perfect auto complete.
- It decreases preparation time due to its fully automatic tools.
- Durable choice for your precise cutting works.
- Easy installation and training.

Power	20 Ton / 30 Ton
Station	27 / 33
Max. sheet size without repositioning	1250 x 2000 mm / 1250 x 2500 mm / 1250 x 3000 mm / 1500 x 2500 mm / 1500 x 3000 mm
Clamp type	Pneumatic clamps with auto positioning
Automatic tool lubrication	Standard

Rigid body, high productivity.

Machine has been equipped with hydraulic, electronic, electrical and mechanical parts which are recognised worldwide for their quality.



EVO II

Servo Motorized Hybrid Press Brake



Design awarded machine;

Demand for Economical Machines is increasing due to rising Global energy prices. Ermaksan recognizes that customers are becoming more aware of their social responsibility. Customers want efficient, eco-friendly manufacturing that is both beneficial to the environment and their profit margins.

With this in mind, Ermaksan has used its 30 years' experience in press brake manufacturing to present to you; the new generation Evolution II hybrid press brake series.

Less energy, more power...

Customer benefits

- The most economical with 60% more energy-saving.
- The fastest with 20 mm/sec bending speed.
- The most precise with +/- 0,01mm bending accuracy.
- The most environment friendly with 18 liters oil capacity and 5 years oil life.
- The quietest with 69 dB noise level.
- 17" 3D touch screen LCD Delem DA-66T.
- Durable choice for your precise cutting works.
- Easy installation and training.

Bending force	110 / 170 / 250 t
Bending length	2100 / 2600 / 3100 mm
Controller	17" touch screen LCD

Environment friendly.

ERMAKSAN has put into service the Evo II is its new generation hybrid press brake the most environmentally friendly machine produced to date with a 60% energy saving.



SPEED/BEND PRO *Synchronized Hydraulic Press Brake*



ERMAKSAN appreciate that production times are key to the profit of enterprises.

Speed-Bend series is designed to enable fast high quality production in order to decrease time per unit costs in such a competitive environment.

Free-fall, bending and return speeds of Speed-Bend series press brakes are increased according to the needs of today.

The Speed-Bend series offers a twice as fast production capacity compared to conventional CNC press brakes.

Extreme production with high performance in less time.

Customer benefits

- High free-fall speed, high bending speed and high return speed.
- The press brake has the most powerful software and hardware available with powerful controller options.
- Motorized crowning system.
- 4 axis (X,R,Z1,Z2) backgauge system with servo motors.
- AP3 / AP4 front sheet support system.
- Durable choice for your precise cutting works.
- Easy installation and training.

Bending force*	40Ton to 600 Ton
Bending length	1270 mm to 6100 mm
Motorized crowning	Standard
6 axis	Y1,Y2, Z1, Z2, X, R standard

* Please contact us for special size and tonnages.

Shift to Speed-Bend.

If you are looking for speed, versatility and high efficiency, the Speed-Bend press brakes series are the right choice.



POWERBEND PRO 3 Axes (R Manual) CNC Press Brake



Power-Bend Series machines redesigned based on users preferences to become a unique machine with its individual electronic and mechanical features.

Power-Bend Pro Series are among the highest rated machines which will help you increase your productivity and keep costs at minimum level with its user friendly CNC controller and low cost hydraulic maintenance.

New Power-Bend Pro is exactly what you need for your production where complicated, sensitive, single or multiple bends on high speed are paramount.

Stronger, faster and deeper bends...

Customer benefits

- Perfect configuration and economic solution for your precise bending works.
- Perfect result for deep and full-sized bends.
- High resolution 2D graphic screen.
- Permanent precision with crowning equipment.
- CNC controlled X Axis backgauge .
- Manual crowning.
- Durable choice for your precise cutting works.
- Easy installation and training.

Bending force*	40 Ton to 600 Ton
Bending length	1270 mm to 6100 mm
Manual crowning	Standard (220 ton and above)
3 axis	Y1, Y2, X, Standard

* Please contact us for special size and tonnages.

Impressive bending solution.

Equipment alternatives can be upgraded on Power-Bend Pro Series upon request. Thus, increased productivity is achieved while bending.



ECO-BEND EXPERT *CNC Hydraulic Press Brake*



CNC Hydraulic Eco-Bend offers a wide variety of options on top of its standard features. Eco-Bend Press Brake is user-friendly and also offers its owners a cost effective production solution.

High resolution controller comes standard with all Eco-Bend Press Brakes the 2D screen and high programming capacity are the two major features enjoyed most by users.

Your economical solution...

Customer benefits

- Low investment cost.
- High efficiency.
- Ergonomic design.
- Minimum space requirement with compact design.
- High resolution 2D graphic screen.
- 1 axis (X) motorized backgauge.
- Durable choice for your precise cutting works.
- Easy installation and training.

Bending force*	80 Ton to 200 Ton
Bending length	2600 mm to 4100 mm
Manual crowning	Optional
3 axis	Y1, Y2, X, Standard

It is much more than just bending.

Eco-Bend has been designed and produced by ERMAKSAN's experienced engineers and reflects innovative technologies.



MICROBEND CNC Hydraulic Press Brake



Do you have limited production space?

If so, we are offering you Micro-Bend, the most productive and small size hydraulic machine in its class.

Micro-Bend, prominent with low investment cost and ergonomic design with high productivity, has the capacity to bend 5 mm mild steel with 1 m x 40 tn press force and has a one axis backgauge.

More power in small space...

Customer benefits

- Low investment cost.
- High efficiency.
- Ergonomic design.
- Minimum space requirement with compact design.
- High resolution 2D graphic screen.
- 1 axis (X) motorized backgauge.
- Durable choice for your precise cutting works.
- Easy installation and training.

Bending force	40 Ton
Bending length	1000 mm
3 axis	Y1, Y2, X, Standard

More power in small space.

Micro-Bend, designed for need and produced as smallest hydraulic press brake in the market.



HEAVY DUTY PRESS BRAKE

Synchronized Hydraulic Press Brake



Heavy Duty

ERMAKSAN's reliability, superior product quality, high production technology meets the needs of an ever-changing world market and continues to provide flexible solutions to customers every day requirements.

ERMAKSAN Heavy Duty Press Brakes meets the needs of all sectors engaged in the production of heavy machinery such as transportation, wind turbines, power plants, and the defence industry.

No sheet plate can stand this power.

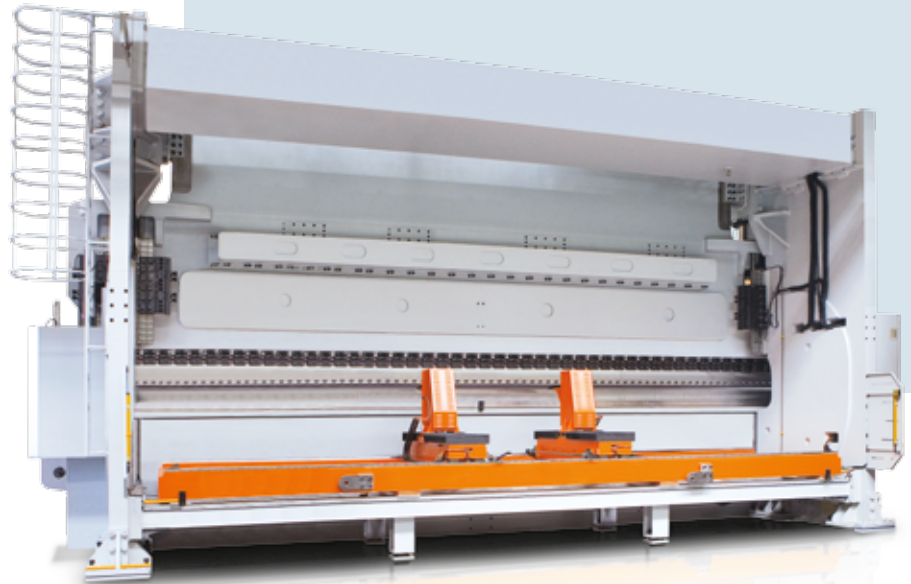
Customer benefits

- 17" 3D, LCD touch screen controller.
- Perfect configuration for your heavy tonnage bends.
- Absolute solution for deep and full-sized bends.
- Continuous precision with dynamic crowning system.
- Motorized crowning system.
- 6 axis servo motor backgauge system.
- AP3 / AP4 front sheet support system.
- Durable choice for your precise cutting works.
- Special top and bottom tools.
- 610 mm throat depth.

* Please contact us for special size and tonnages.

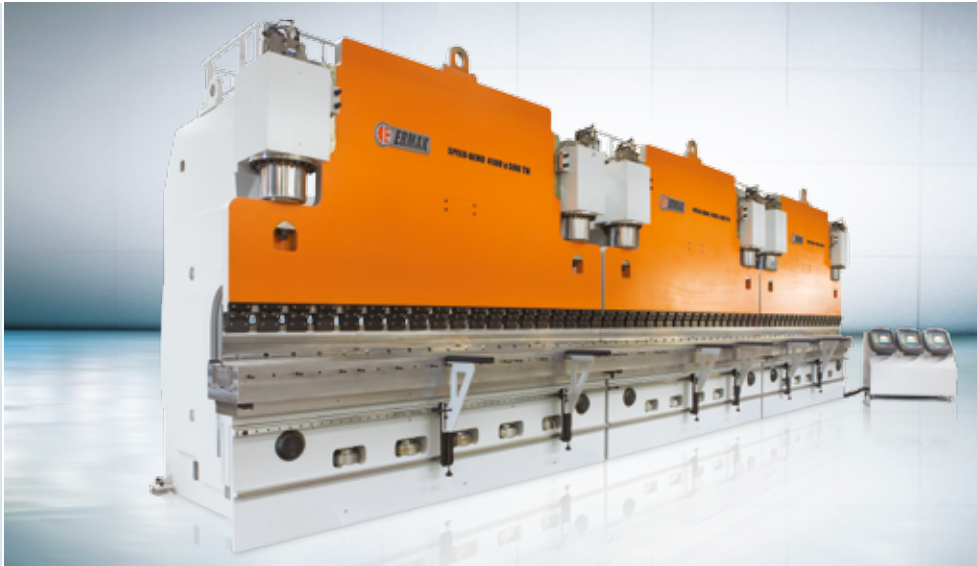
The right choice for a deeper and more powerful bends.

ERMAKSAN Heavy Duty Press Brake allows you to work to the maximum capacity of your organization, and puts an end to time-consuming manufacturing processes.



HEAVY DUTY PRESS BRAKE

Synchronized Hydraulic Press Brake



Tandem

ERMAKSAN Tandem Press Brakes meet the needs of all sectors engaged in the production of heavy machinery such as transportation, wind turbines, power plants, defence industry.

ERMAKSAN Tandem Press Brakes eliminates labour costs and time losses while providing flexible solutions to meet the needs of the industry.

Solutions for heavy duty bends.

Customer benefits

- 17” 3D, LCD touch screen controller.
- Perfect configuration for your heavy tonnage bends.
- Absolute solution for deep and full-sized bends.
- Continuous precision with dynamic crowning system.
- Motorized crowning system.
- Durable choice for your precise cutting works.
- Special top and bottom tools.
- Mobile control unit.

Tandem machine	2 / 3 / 4
Independent working machines	Standard
Crowning systems	Motorized Hydraulic Dynamic hydraulic

Solutions for heavy duty bends.

ERMAKSAN Tandem Press Brakes with standard specifications can handle deeper and longer plates with maximum accuracy and quality.



* Please contact us for special size and tonnages.

CNC HVR CNC Hydraulic Guillotine Shear



ERMAKSAN, known as one of the top world wide manufacturers in the sheet metal industry, proudly introduces its latest shear model to the market, the Variable Rake Hydraulic Guillotine Shear “CNC HVR”.

Blade gap, cutting angle and cutting length are all automatically adjusted based on material selection and thickness.

By choosing the new and improved CNC HVR from ERMAKSAN, you will bring modern-day technology to your company encompassing maximum safety, high accuracy and unique ease of use.

Excellent cut, perfect speed

Customer benefits

- User-friendly controller.
- Long lasting durable blades.
- Flexible solutions for different cutting demands.
- Light curtain for finger protection.
- Laser cutting line.
- Pneumatic sheet support system.
- Ergonomic design.
- Durable choice for your precise cutting works.
- Easy installation and training.

Maximum cutting thickness	6 mm to 40 mm
Cutting length	3 m to 10 m
Automatic blade gap adjustment	Automatic
Automatic cutting angle adjustment	Automatic
Controller	Touch screen CNC controller

Excellent cut, perfect speed.

The HVR is able to cut all kinds of metal sheets whilst maintaining the highest production capacities with maximum precision and quality.



CNC HGD Hydraulic Swing Beam Shear



ERMAKSAN, known as one of the top world-wide manufacturers in the sheet metal industry, proudly announces its latest shear model to the market, the CNC Hydraulic Swing Beam Shear "CNC HGD".

ERMAKSAN, CNC HGD Series shears are designed superiorly for sheets 6-20 mm using only high quality materials and workmanship and are produced for heavy-duty use without problems.

Strong mono-block welded steel frame retains its rigidity even when working to maximum capacity, thus helping to provide a good quality and clean cut.

Impressive cutting solutions.

Customer benefits

- User-friendly controller.
- Long lasting durable blades.
- Angle gauge.
- Front and back sheet conveyor system.
- Laser cutting line.
- Pneumatic sheet support system.
- Ergonomic design.
- Durable choice for your precise cutting works.
- Easy installation and training.

Maximum cutting thickness	6 mm to 20 mm
Cutting length	3 m to 4 m
Blade gap adjustment	Automatic
Cutting angle adjustment	Fixed
Controller	Touch screen CNC controller

High precision.

The highly durable top and bottom blades produce perfect cuts on both mild and stainless steel.



CNC HGS Hydraulic Swing Beam Shear



ERMAKSAN, known as one of the top world wide manufacturers in the sheet metal industry, proudly announces its latest shear model to the market, the CNC Hydraulic Swing Beam Shear “CNC HGS”.

CNC HGS is a perfect choice with its modern design, durable heavy body and precise cutting quality.

Long lasting and durable upper beam plays a major role in cutting. Fast and precise blade gap adjustment system is placed on the right side of the machine. Blade gap adjustment for high quality cut can easily be done from single point.

You will realize what a great choice it was to go with ERMAK CNC HGS Shear as soon as you start using it.

High performance investment friendly solutions.

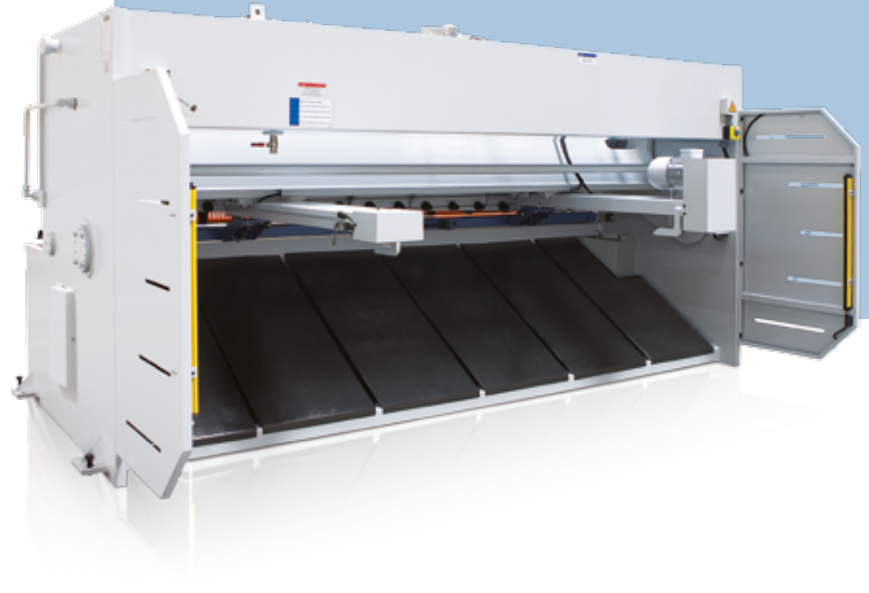
Customer benefits

- User-friendly controller.
- Long lasting durable blades.
- Side gauge and front support arm length for any request.
- Hydraulic gap adjustment.
- Laser cutting line.
- Light curtain for finger protection.
- Angle gauge.
- Durable choice for your precise cutting works.
- Easy installation and training.

Maximum cutting thickness	6 mm to 8 mm
Cutting length	2100 mm to 4100 mm
Blade gap adjustment	Automatic
Controller	Touch screen CNC controller

High performance investment friendly solutions.

Simple blade gap adjustment system helps you to achieve perfect cuts from the first cut.



GMR Mechanical Shear



ERMAKSAN quality and experience in the production of sheet metal working Machinery is demonstrated in the GMR mechanical shear.

The static and dynamic stiffness of the body and strong welded construction are designed to withstand harsh operating conditions. It is designed specifically for thin sheet materials and works very efficiently at high speeds boasting the best shear in its class.

Less energy consumption, quiet operation and high productivity all together with its small footprint is presented to the market at an affordable price.

The ERMAKSAN GMR shear is the perfect choice for any fabrication facility.

Efficient and economical...

Customer benefits

- Low investment cost.
- High efficiency.
- Ergonomic design.
- Energy saving.
- Silent working.
- Does not require large area.
- Different colour options.
- Durable choice for your precise cutting works.
- Easy installation and training.

Maximum cutting thickness	3 mm to 4 mm
Cutting length	1400 mm to 3100 mm
Controller	Elgo 9521
Backgauge	Motorized backgauge up to 800 mm stroke



Efficient and economical.

The GMR is the most competitively priced mechanical shear on the market.

EKM *Iron Worker*



EKM series IronWorker has been redesigned as a result of ERMAKSAN engineering studies and is designed using 3D CAD software and manufactured with accurate CNC machinery.

EKM series includes 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 specially designed covers.

EKM series is the the best choice and will fulfil all your expectations on price, efficiency and quality.

One machine, multiple operations...

Customer benefits

- Perfect solution for precise cuts.
- Does not require large space.
- User-friendly and simple machine operation.
- Punching, flat shearing, angle shearing and notching options.
- Minimum space requirement with compact design.
- Durable choice for your precise cutting works.
- Easy installation and training.

Cutting power	50 Ton to 180 Ton
Stations	Profile cutting Hole Square / round cutting Corner Sheet cutting

One machine, multiple operations...

EKM Series Combined Iron worker is an efficient, quality machine essential to every machine shop.



AFTER SALES



Customer satisfaction is the key ethos of ERMAKSAN. After sales customer relations are the most important part of our cooperation.

After sales technical support, machine installation, spare part service and training for our customers are all provided by our specialist engineers and technicians.

Our technical service department is ready to serve and resolve your questions via online support, phone calls or on-site support. We are aware that after sales service is an important factor when selecting products.

Customer satisfaction after sales...

Our goal is to keep customer satisfaction at the highest level through ensuring quality, sustainability and credibility of service with our widespread service network, trusted warranty applications and experienced staff. Varying consumer demands and needs are evaluated with care according to the present day's industrial expectations.

Favourable customer relations, technical facilities for spare part deliveries along with spare part-labour warranty, affordable spare parts and on-site service are just a few examples of our professional customer orientated approach.

We are confident in the support shown to customers in all aspects of our business starting from the quotation stage and continuing through-out the entire lifetime of your investment. We consider customer satisfaction to be a major priority and we will strive to keep this at the forefront of our development.



METAL USA / Speed-Bend 14200 x 1500TN mono-block



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