80,000 sqm

Largest manufacturing facility under one roof in Europe in its sector.
Ermaksan is well known for productive and result oriented research & development activities as well as affordable high-tech products in fabricating industry. With 47 years of manufacturing experience Ermaksan continuously invests on latest technology and its human resources.

Ermaksan manufactures 3000 machines annually with 700 qualified staff in a fully modernized 80,000 sqm factory equipped with state-of art machinery. Ermaksan exports 80% of its production through agents under the brand Ermak from Canada to New Zealand, more than 70 countries in the world and provides full technical support since 1965.

By purchasing Ermak machines, you will be investing on your future. With this decision we promise you to deliver the machine which will suit your needs and provide the best purchasing experience by means of price, delivery, quality, training and after-sales technical support.
28,000 Machining capacity of 28,000 mm single part
3,000 machines manufactured annually
Ermaksan, known as one of the top world wide manufacturer in sheet metal industry, proudly announces its latest shear model to the market, which we call it Variable Rake Hydraulic Guillotine Shear “CNC HVR”.

Blade gap, cutting angle and cutting length adjusted based on material selection and thickness automatically. While providing flexibility for different production parts and waste of time has been completely eliminated by aiming high efficiency.

By choosing CNC HVR which is improved by the engineers of ERMKSAN, you will bring the modern-day technology to your company with maximum safety, high accuracy and unique ease of use.

Excellent cut, perfect speed;
It can cut all kind of metal sheet to maintain the highest production capacity with maximum precision and quality.
Excellent cut, perfect speed.

Rigid structure. Processed with high precision, dynamic and static rigidity provided strong body.

Front support arms. 1 meter (39") long, measured by mm / inch strong front support arms with T slot and stopper.
General features (Cybtouch 6)

User-friendly
- Wide, bright, colorful touch screen to program easily.
- Easy control pages.
- Complete part programming in seconds.
- Quick machine set up with EasyCut page.
- Contextual help and warning pop-up.

Improved Features
- Auto shutdown function for energy saving.
- 10 different language selection.
- Working time.
- Wireless communication via PC/Laptop (optional).
- Backgauge auto-retraction programming.

Better Cuttings
- Automatic calculations of cutting functions upon material specifications.
- More cutting sequence and programming memory.
General features (DNC61G)

- Keyboard with big buttons.
- Programmed material types.
- Blade gap, cutting angle and cutting length adjusted based on material selection and thickness automatically.
- Different language selections.
- Backgauge adjustment according to blade gap.
- Sequence repeat function.
- Sub-program and programming loop.
- Highly protected micro processor.
- Monochrome 130 x 75mm LCD Box Panel.
- Data recording with internal SRAM memory.
- Updateable with flash memory (optionally with RS 232).
- Numerically programmable axis data.
- 16 input and output ports (24-32 options).
- EASYCUT page.
- Auto cutting (Flying cut).
- mm/inch conversion.
- Backgauge retraction feature.
Movable controller arm. Allows operators to concentrate on job.

Collapsible finger protection. In order to control angled cuttings and drawn lines front part of protection can be pulled up by operator. (Switch protected)

Emergency stop buttons. Easily reachable buttons.

Foot pedal. Dual positioned pedal allows you to cut automatically.

Movable controller arm. Allows operators to concentrate on job.
Front finger protection. Finger protection that matches with international safety standards, presents a great visual working area to operator.

Squaring arm. Makes it easy to handle the work and feeds the material through the cutting area by providing more delicate and quicker cuttings.

More than just cutting:
CNC HVR is developed by expert engineers of Ermaksan reflects innovative technology with all aspects of it.
Light barrier. Fast and secure protection at all time compatible with CE standards.

Rear sheet sliding plates. Cutting parts are carried out rapidly to the back side of shear.

Motorized back gauge system. 1000 mm long back gauge with 0.1 mm accuracy.
Defining standards!

Standard equipments

- Wear resistant blades.
  - top blade = 4 cutting edge
  - bottom blade = 4 cutting edge
- Portable foot pedal is eligible for single and automatic cutting.
- CNC controlled hydraulic blade gap adjustment system.
- CNC controlled cutting angle adjustment system.
- CNC controller (CYBELEC).
- CNC controlled motorized backgauge system.
- 1000 mm motorized back gauge system with 0.1 mm accuracy.
- Front support arms with T slot, ruler and flip stop.
- Squaring arm.
- Scales with metric and inches.
- Cutting line illumination and shadow line.
- Emergency stops.
- Sliding sheets.
- Swing up backgauge.
- Stainless blades.

Optional equipments

- Pneumatic sheet support systems for thin materials.
  - Bar type pneumatic sheet support system.
  - Monoblock type pneumatic sheet support system.
- 0° - 180° angle gauge.
- Long and powered squaring arm with ruler.
- 500 mm and over throat depth.
- Oil cooler.
- Laser cutting line.
- Sliding support arms.
- Finger guard curtains.
- Anti - Twist system.
- Special back gauge stroke
- Different colors.
- Dynamic servo backgauge.
- Sheet feeding system.
- Conveyor.
- Scrap separator.
- Stacker systems.
- $X_1$, $X_2$ adjustable angled backgauge system.
- Blades for stainless steel cutting.
Perfect design in every aspect;

Ermaşan improves its reliability every day by working with highly educated engineers and by using the latest technology in rapidly developing sheet metal industry.

By using world standard steel, hydraulic systems and electronic products all your production needs provided.

Anti-Twist System. (option)
Anti-Twist system prevents cutting sheet material from twisting in narrow and strip cuttings by holding straight during the cutting process against to blade movements.
Pneumatic Support System. (Lever Type) (option)
Pneumatic sheet support system provides user an easy method of working, is an optional function to protect sheets hanging down and to improve precision during long and thin sheets cutting with minimum scratches through plastic rolls on pneumatic sheet support system.

Pneumatic Support System. (Monobloc Panel Type) (option)
Helps positioning thick and thin sheet metals with sensitive reinforced pneumatic system structure without sagging.


350mm standard throat depth allows you to cut sheet metals that are longer than machine length.

Adjustable width, high accurate and fast front metal sheet feeding system will increase your productivity.

Enables to cut sheet metals that are longer than backgauge stroke.

Easier to use with multifunctional control technology.

Expert engineering in special machine production.

Special Production Machines.

Cybelec DNC 61G.

Throat. (standard)

Swing-Up Backgauge. (standard)

Front Sheet Metal Feeding System. (option)
With the help of laser cutting line, angled or drawn line cuttings could be done easily and controllable.

Shadow Line. (standard)
Provides qualified and sensitive cutting by casting a line shadow at the cutting edge for right positioning of the worksheet to be cut.

Angle Gauge. (option)
This device provides accurate and easy material handling in the angled cuttings.

Collapsible finger protection. (standard)
In order to control angled cuttings and drawn lines front part of protection can be pulled up by operator.
(Switch protected)
### Technical Features

**CNC HVR SERIES**

Variable Rake Hydraulic Guillotine Shear

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<tr>
<th>TYPE</th>
<th>CUTTING LENGTH</th>
<th>CUTTING CAPACITY (42kg/mm²)</th>
<th>CUTTING CAPACITY (70kg/mm²)</th>
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8 Hector Street West,
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