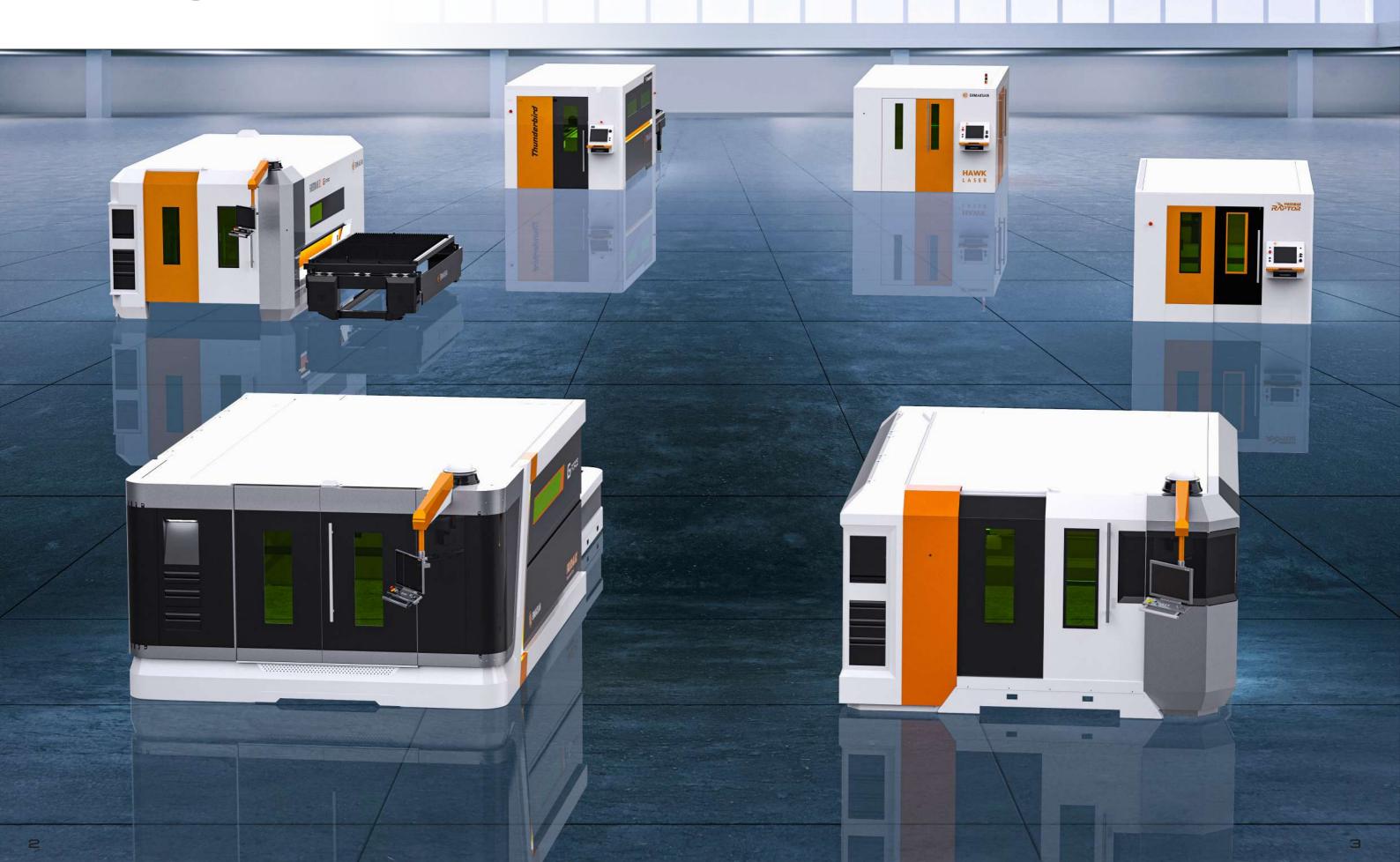


Laser technologies that grow your business



"Ermaksan is a global technology company that offers innovative solutions to industrial life."



Who are we?

Ermaksan produces innovative, high-quality, and high value-added products and solutions with its brands. In its journey exceeding half a century, it has been taking determined steps towards the future by maintaining its strong stance in the fields of sheet metal processing, additive manufacturing, optoelectronics, and advanced defence technologies.

Continuing its investments on the path of sustainable growth without slowing down, Ermaksan contributes to efficient production in more than 120 countries through ERMAKUSA in the USA, ERMAK Deutschland GmbH in Germany and its various other distinguished dealers around the world. In order to meet the customer expectations of today's rapidly changing world and to offer the manufacturing technologies of the future today, the company produced Turkey's first metal 3D printer with the brand ERMAKSAN ADDITIVE and offered it to the additive manufacturing industry. EON PHOTONICS brand, which has Turkey's first private sector semiconductor Optoelectronic R&D centre, continues its production and development activities of high-tech products such as laser technologies, FBG sensors, CNC controllers, and Industry 4.0 applications.

With the innovative perspective of 21th century, Ermaksan continues its activities with the aim of being among the world's leading manufacturers in the fields of technology and R&D. By constantly monitoring new trends and customer expectations, Ermaksan designs and manufactures advanced technology, high value-added, environmentally friendly and energy-saving machines, and takes firm steps towards a more sustainable future by using resources effectively and efficiently.

Fiber Laser Technologies

Increasing the production efficiency in laser cutting technology, Ermaksan offers the most ideal solutions to the requirements of the sector with various machine models put on the market. In addition to offering customized solutions for customer needs, Ermaksan contributes to smart production processes by developing machines suitable for automation. Today, factories are smarter, and productions are more digital and traceable with our Industry 4.0 solutions that will provide a high level of flexibility to production processes.

Ermaksan laser technology, which is used in many stages of the production sector, especially in automotive and aviation industries, contributes to the efficiency and continuity of production by meeting customer expectations with features such as high precision and cutting speed, minimum roughness, long-lasting working performance.

By constantly monitoring new trends and customer expectations, Ermaksan designs and manufactures environmentally friendly machines with state-of-the-art technologies, high added value, and energy saving, and takes firm steps forward with its stakeholders on the path of sustainable growth.





THUNDERBIRD



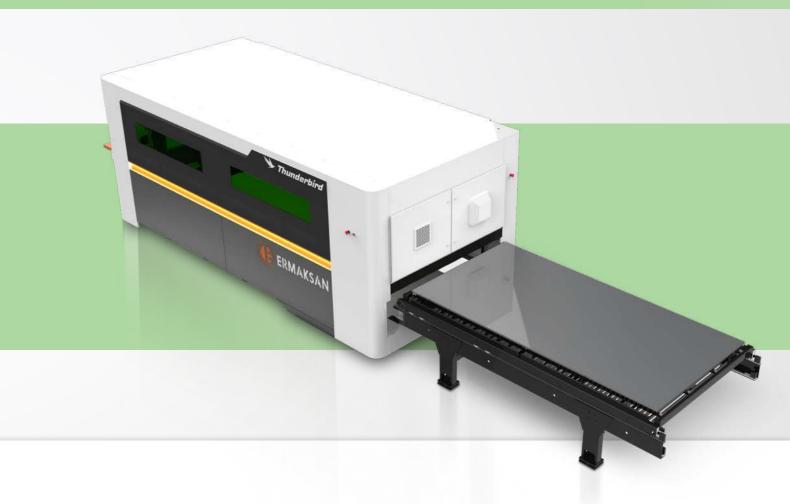


Most Economically Advantageous

The new THUNDERBIRD fiber laser machine offers economical solutions with its compact structure that does not require costly equipment. Low investment costs and quality components make it a competitive laser cutting machine. While the investment cost and operating cost are the most important advantages of this machine, its efficiency is one of its other advantages. THUNDERBIRD, with a table size of 3x1.5m, has a shuttle table and does not include a lifting and hydraulic system. A longer Z axis is used instead.

Equipped with the Precitec ProCutter Thunder cutting head, which is the ideal solution for efficient and economical laser cutting in the medium power range. This automatically controls the focus position and delivers outstanding results when machining different material thicknesses. In addition, the maintenance of the head is extremely quick and easy.

Although the THUNDERBIRD fiber laser system is an entry-level machine, it is the perfect choice for workshops that want to process thinner sheets without sacrificing standards and cut quality.







SHUTTLE TABLE

THUNDERBIRD Laser has two pallet design but without lift and hydraulic system. A longer Z-axis can be used instead.

LOW INVESTMENT COST

It offers an easy entry to the world of fiber laser cutting with its compact structure that does not require costly equipment. While investment cost and operating costs are the key advantages of this machine, efficiency is one of the other advantages as well.

COMPACT CONSTRUCTION

The electric cabinet embedded inside the machine and positioning of the resonator is over the machine. Thanks to this compact structure customer will have lower transportation cost and faster installation.

USER-FRIENDLY INTERFACE

Your work is now easier with the user-friendly interface designed by Ermaksan engineers. You can initiate automatic cutting processes with just a few steps, and monitor the active process before and during cutting with the NC Graphics feature.

SAVE TIME AND MONEY

It allows you to save both time and resources thanks to the shortening of energy consumption, and easy maintenance and repair.

MACHINE UPDATE

With the philosophy of continuous improvement, Ermaksan engineers offer the most upto-date version allowing you to get the most out of your machine.

THUNDERBIRD

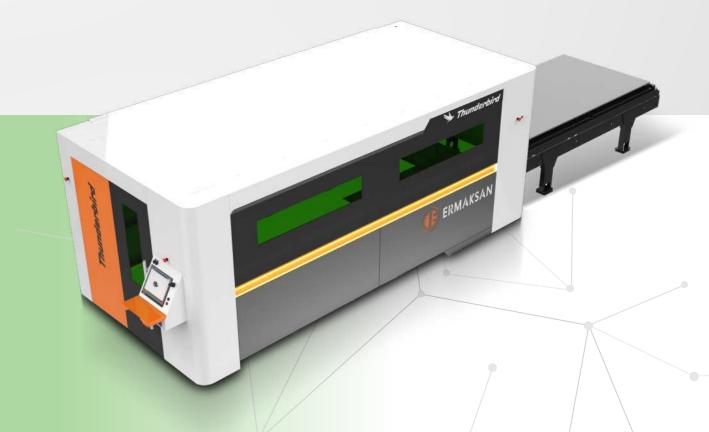
TECHNICAL FEATURES

SPECIFICATIONS/ MACHINE	THUNDERBIRD 3X1,5		
WORKING AREA	mm	3000 x 1500	
MAX. LOAD CAPACITY	kg	1500	
AXIAL MOVEMENTS	-	-	
X, U AXES / SERVO MOTOR TABLE	mm	3050	
Y AXIS / SERVO MOTOR BRIDGE	mm	1550	
Z AXIS / SERVO MOTOR CUTTING HEAD	mm	300	
ACCELERATION	G	1	
SERVO MOTOR MAX. AXIS SPEEDS	m/min	106 (resulant speed) (X, Y single axis speed 75 m/min)	
AUTOMATIC LOADING UNLOADING UNIT	Pallet	2 (35 sn)	
MACHINE DIMENSIONS (L x W x H)	mm	9250 X 4500 X 2200	
MACHINE WEIGHT	kg	8500	
MACHINE AXES	-	4-Axis (X, Y, Z, U)	
POSITITIONING ACCURACY	mm/m	± 0,055	
REPETITION ACCURACY	mm	± 0,032	
CNC	-	BECKHOFF	
CAD/CAM SOFTWARE	-	METALIX, LANTEK	
NETWORK CONNECTION	-	Ethernet	
CONTROL PANEL	-	15-inch screen 1024 x 768, alphanumeric keyboard, PLC keys, touch screen keyboard	

• Economic Clean cut User friendly

Compact Reliable

SPECIFICATIONS / RESONATOR		YLR 2000	YLR 3000	YLR 4000
RESONATOR	Watt	2000	3000	4000
LASER BEAM QUALITY	rad	2 - 2,5	1 - 2	1 - 2
POWER STABILITY	%	1 - 2	± 0,5	± 0,5
FIBER CABLE OUTPUT MEASUREMENT	μm	100	100	100
COOLANT FLOW RATE	l/dak	10	20	15
AVERAGE CONSUMPTION (MAX)	-	-	-	-
MILD STEEL (S235JR,S355MC)	mm	16	18	20
STAINLESS STEEL (AISI 304)	mm	8	10	10
ALUMINUM (AIMg3)	mm	6	8	10
BRASS (CuZn37)	mm	4	5	6
COPPER (Cu-ETP)	mm	4	5	6
AVERAGE CONSUMPTION	kW	18	20	22
CUTTING HEAD	-	Procutter Thunder	Procutter Thunder	Procutter Thunder
PULSE FREQUENCY RANGE	kHz	50		
POWER RANGE	%	10-105		
LASER WAVELENGTH	nm	1070 ± 5		
IMPULSE	-	Laser diode		
ASSIST GASES	-	-		
STEEL	-	Oxygen (0.5-6 Bar)		
STAINLESS STEEL	-	Nitrogen (0.5-25)		
ALUMINUM	-	Dry Air or Nitrogen (0.5-25 Bar)		















CAD/CAM (Metalix)							100
CAD/CAM (Metalix)		GEN-5	GEN-3	SL	RAPTOR	HAWK	THUNDERBIRD
CAD/CAM (Lantek, Almacam) O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O <td>Linear Motor</td> <td>0</td> <td>0</td> <td>_</td> <td>_</td> <td>_</td> <td>_</td>	Linear Motor	0	0	_	_	_	_
LCD Screen+Camera ● ● ● — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — —	CAD/CAM (Metalix)	•	•	•	•	•	•
Conveyor ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	CAD/CAM (Lantek, Almacam)	0	0	0	0	0	0
Chiller ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●<	LCD Screen+Camera	•	•	•	_	_	_
Light Body Guards O O O O O O O O O O O O O O O O O O	Conveyor	•	•	•	0	_	_
Pipe Cutting O O — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — <	Chiller	•	•	•	•	•	•
Tower Automation Q Q — Q — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — —	Light Body Guards	0	0	0	0	0	0
Handwheel	Pipe Cutting	0	0	_	0	_	_
Center Beam Adjustment O O O — — — Automatic Nozzle Changer O O O — — — — Side Opening Door — O — — — — — Pneumatic Lift Support System O O — — — — — Mobile Control Panel O O O O O O O Mirrored Machine O O O O O O O Covered Loading Unloading O O — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — —	Tower Automation	0	0	_	0	_	_
Automatic Nozzle Changer OOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO	Handwheel	0	0	_	_	_	_
Side Opening Door — O — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — —	Center Beam Adjustment	0	0	0	_	_	_
Pneumatic Lift Support System O O — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — —	Automatic Nozzle Changer	0	0	0	_	_	_
Mobile Control Panel O O O O O Mirrored Machine O O O O O O Covered Loading Unloading O O — — — — — 4G (for Sm 3x1.5m) O O — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — —	Side Opening Door	_	0	_	_	_	_
Mirrored Machine O O O O O Covered Loading Unloading O O — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — —	Pneumatic Lift Support System	0	0	_	_	_	_
Covered Loading Unloading ○ ○ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ </td <td>Mobile Control Panel</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td>	Mobile Control Panel	0	0	0	0	0	0
4G (for Sm 3x1.5m) O O — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — —	Mirrored Machine	0	0	0	0	0	0
Profile Cutting Trolley O O — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — <td>Covered Loading Unloading</td> <td>0</td> <td>0</td> <td>_</td> <td>_</td> <td>_</td> <td>_</td>	Covered Loading Unloading	0	0	_	_	_	_
Shuttle table ● ● ● O — ● Central Lubrication System ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	4G (for Sm 3x1.5m)	0	0	_	_	_	_
Central Lubrication System Image: Central Lubrication System	Profile Cutting Trolley	0	0	_	_	_	_
Suction Unit ● ● ● O O 45° Bevel Cut O O O — — — — 3D Bevel Head O O O — — — — — Slag Cleaning Device O O O O O O O O Side Conveyor O O O — — — — —	Shuttle table	•	•	•	0	_	•
45° Bevel Cut O O O — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — <	Central Lubrication System	•	•	•	•	•	•
3D Bevel Head O O O — — — — Slag Cleaning Device O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O <	Suction Unit	•	•	•	•	0	0
Slag Cleaning Device O O O O O Side Conveyor O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O <	45° Bevel Cut	0	0	0	-	_	_
Side Conveyor O O — — — —	3D Bevel Head	0	0	0	_	_	-
	Slag Cleaning Device	0	0	0	0	0	0
Anti-Collision System O O O O O O	Side Conveyor	0	0	0	_	_	_
	Anti-Collision System	0	0	0	0	0	0

SMART FACTORY SOLUTIONS



"We are with you in your digital transformation journey"

ALL INTEGRATED

Integrate your machine data with your MES and ERP applications.

ALL THE DATA

Record your machine historic performance data. Track your machine Job and Operator performance.

ALL THE MACHINES

Enable all your production line to be monitored. Retrofit you existing machines to our Industry 4.0 platform.

ANY WHERE

Monitor and track machine performance over the flexible easy to use WEB interface from any where

ANY TIME

Reach your machine performance data any time you like.

EFFICIENCY GRAPH OF THE MACHINE FOR THE LAST WEEK



Generates a trend graph by compiling the operational information of the machine. Operation performance for the previous week may be monitored.

OEE VALUES OF THE MACHINE



Collects all the information during the stand-by, production and preparation processes to generate a general productivity chart.

MACHINE MONITORING SCREEN



You may monitor your machines in different fields from a single screen.

DETAILED INFORMATION OF THE LAST WORK COMPLETED



Indicates all the details of the work done, and information such as how long it did take the operator to complete which work and in what way.

EQUIPMENT DATA



It shows the instantaneous data of the operational elements of the machines as trend graph.

STATUS OF THE MACHINES

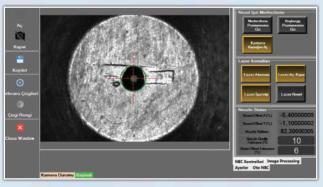


This provides the lists of the operational and non-operational machines on the field and the summary of their operation.

SMART FEATURES

FUNCTIONS

AUTOMATIC BEAM CENTERING AND NOZZLE QUALITY DETERMINATION



Using the image processing technique, the laser head is placed on the center adjustment camera. With the help of the camera, the status of the beam is displayed on the screen and the off-center status is reported. Thus, the center adjustment is made thanks to the declared commands. During center setting, the nozzle loses its circular shape. If this situation exceeds the tolerance that will affect the cutting, a warning will appear and a nozzle change request is made.

AUTOMATIC NOZZLE CHANGER



Different types of nozzles with different diameters must be used before cutting materials of different types and thickness. According to the selected sheet thickness and type, the system automatically selects and changes the defined nozzle.



During cutting, possible collision between the laser cutting head and the displaced pieces is prevented, protecting the cutting head against damages. This feature ensures maximum safety while reducing downtime and hardware costs

Mixed Nitrogen Oxygen

MIXED GAS

We combine the advantages of cutting processes with a mixture of nitrogen and oxygen. We provide higher speeds and excellent quality with mixed gas and as well as lower gas cost.

"Ermaksan's smart features provide an excellent user experience by increasing the users' levels of ease, safety and comfort"

AUTO SHEET / AUTO MULTISHEET



It allows the part to be cut to be sent to the cutting by selecting the sheet detected by the camera. (Auto Sheet)

By assigning the jobs added to the work list to the sheet metals detected via the camera, it allows defining which part will be cut on which sheet. (Auto MultiSheet)

CALBEC-CAMERA AIDED LASER BEAM CENTERING



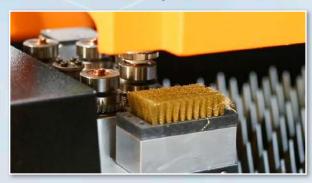
The camera-aided laser beam centering adjustment system enables the operators to adjust the laser center effortlessly when needed. Laser center adjustment camera is installed into the interior of the machine and this feature is activated by pressing a single button on the operator panel.



FUNCTIONS

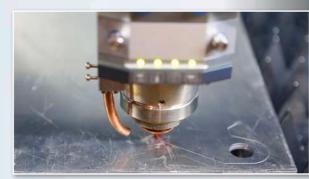
"Smart features help manufacturers improve productivity by minimizing downtime, reducing waste, improving quality, increasing output and optimizing production processes"

NOZZLE CLEANING / CALIBRATION



It is the process of autimatically cleaning the slag and dirt accumulated in the nozzle used with the nozzle cleaning system, offered in standard with Fibermak series lasers, by means of a cleaning brush.

PIERCETEC CUT CONDITION



With its integrated sensor, PierceTec controls laser power and drilling duration in real time. PierceTec saves on cycle time and operating costs.



AUTOMATIC PROFILE ALIGNMENT



An automatic profile alignment system has been developed for precise profile cutting with a profile cutting table in machines with Fibermak pipe and profile cutting options. This feature prevents measurement drifts that may occur in profile

IOT - SENDING SMS / E-MAIL



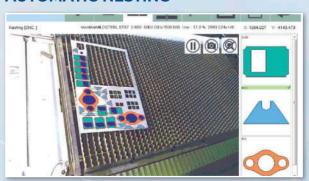
Machine status and information can be sent to the provided e-mail addresses by connecting the system to the internet. Information messages can be sent to phone numbers with sim card support option integrated in the operator panel. When the machine gives an error, the error code is sent via e-mail or SMS

SHEET SORTING



Sheet metal separation is performed on the X or Y coordinate of the selected point on the image. If there is an obstacle to cutting at the point selected by the image processing method, the cutting offset is made by detecting it on the image.

AUTOMATIC NESTING



It is the process of relocating the part with data on the image taken from the camera and decoding it.

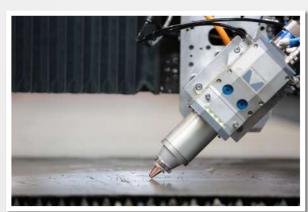


Flexible Solutions for Different Needs

In addition to our standard product portfolio that we have introduced to laser cutting industry, we also offer turnkey solutions for machines in different sizes and configurations according to the demands. Laser cutting machines with large format are designed specifically for customer needs. These massive machines, which process long and wide sheets at one go, also save time and labour by processing multiple small workpieces. Thus, these machines significantly increase productivity and provide its users a competitive advantage. Thanks to the motor-controlled 2/2.5-axis cutting head provided according to the customer's request, it is possible to open the weld groove with a bevel cut by moving 45 degrees to the right and left and 360 degrees around its own axis. In addition, FIBERMAK can also perform planar bevel angle cuts in welding processes with 45 degrees or smaller angles.







ADVANCED ENGINEERING STUDIES

With our experience of more than half a century and our strong engineer staff, we determine the machine you need and technical requirements with scientific techniques and offer the most appropriate solution to you.

BEVEL CUT

Thanks to its motor-controlled 2 / 2.5-axis cutting head, it has the ability to move left and right and around itself. Thus, it can make bevel cuts in bevelled welding processes.

MAXIMUM SAVING

In large machines, suction covers and lateral conveyors operate according to the position of the cutting head, effectively performing vacuum suction and slag collection. Thus, significant energy savings are achieved.





LASER AUTOMATION

SHEET LOADING AND UNLOADING SYSTEMS

TOWERMAK Tower Type Loading Unloading System

TOWERMAK is used for unmanned loading and unloading of 1500x3000 mm sheet metals for laser cutting machines. The system provides a high level of reliability, flexibility, and ease of use. With the automatic laser system, you can increase your production capacity by more than 60% depending on the type, thickness, size, nesting, etc. of the material. By incorporating smart laser automation into your metal processing departments, you streamline many functions of your factory as well as invest in savings.







FULLY AUTOMATED SYSTEM

The system can operate in a full-automatic manner by automatically loading the appropriate sheet metal and suitable cutting parameters for each material. Therefore, you can perform mass production and minimize time losses.

MASS PRODUCTION

By minimizing the operator-induced errors, a high-quality production process is carried out much faster.

FLEXIBILITY

It is designed with a flexible production focus for users who want to process different types of materials easily and without burrs.

FACTORY AUTOMATION

Fibermak laser cutting machine, which works in full harmony with tower loading and unloading systems, increases production quality and productivity, and provides your business with a competitive advantage.

EASE OF USE

In addition to efficient and fast operation, there are simple language options and easy programming to facilitate the operator's work. With this structure, it offers easy and reliable production management.

INTEGRATED WITH FIBERMAK

It is possible to integrate the most suitable TOWERMAK loading and unloading system into existing FIBERMAK laser cutting machines for our customers who would like to automate their laser cutting processes.

LASER AUTOMATION

TOWERMAK MULTIMASTER 3x1.5 (3 PALLETS)				
SHEET DIMENSIONS	mm	1500 x 3000		
		1500 x 2500		
		1500 x 2000		
		1500 x 1500		
		1250 x 2500		
		1000 x 2000		
		1000 x 1500		
		1000 x 1000		
MIN. SHEET THICKNESS	mm	0,5		
MAX. SHEET THICKNESS	mm	20		
MAX. HEIGHT OF SHEET STACK	mm	85		
CARRYING CAPACITY OF LOADING PALET	kg	3000		
LIFTER AXIS MAX. SPEED (VERTICAL)	m/min	9		
SUCTION CUP AXIS MAX. SPEED (VERTICAL)	m/min	6		
PALLET PULLING AXIS MAX. SPEED (HORIZONTAL)	m/min	12		
COMB AXIS MAX. SPEED (HORIZONTAL)	m/min	10		
CNC CONTROLOR		BECKHOFF		
MACHINE DIMENSIONS (L x W x H)	mm	5540 x 5560 x 3700		
ENERGY		380V, 50Hz		
TOTAL SYSTEM WEIGHT	kg	8100		

TOWERMAK MULTIMASTER 4x2 (3 PALLETS)				
SHEET DIMENSIONS	mm	2000 x 4000		
		2000 x 3000		
		2000 x 2000		
		1500 x 2500		
		1500 x 2000		
		1500 x 1500		
		1250 x 2500		
		1000 x 2000		
		1000 x 1500		
		1000 x 1000		
MIN. SHEET THICKNESS	mm	0,5		
MAX. SHEET THICKNESS	mm	20		
MAX. HEIGHT OF SHEET STACK	mm	65		
CARRYING CAPACITY OF LOADING PALET	kg	4000		
LIFTER AXIS MAX. SPEED (VERTICAL)	m/min	9		
SUCTION CUP AXIS MAX. SPEED (VERTICAL)	m/min	6		
PALLET PULLING AXIS MAX. SPEED (HORIZONTAL)	m/min	12		
COMB AXIS MAX. SPEED (HORIZONTAL)	m/min	10		
CNC CONTROLOR:		BECKHOFF		
MACHINE DIMENSIONS (L x W x H)	mm	7130 x 7015 x 4140		
ENERGY		380V, 50Hz		
TOTAL SYSTEM WEIGHT:	kg	15000		

TECHNICAL FEATURES

BRIDGE TYPE VACUUM LOADING SYSTEM

The bridge type vacuum loading system manufactured by ERMAKSAN provides great convenience to its users by allowing the raw material to be loaded easily and automatically on the shuttle table precisely and properly. It is a practical and affordable solution for mass production.



BRIDGEMASTER VACUUM LOADING AND UNLOADING SYSTEM

Automate your material load and unload cycles with the BRIDGEMASTER. This Bridge Type Vacuum Loading and Unloading System makes your material flow flexible, reduces manual material handling and increases productivity.



ROBOMASTER VACUUM LOADING SYSTEM

The machine performance is maximized by operating Fibermak and robot in harmony. Automatic sheet loading, collecting, and stacking processes are easily performed in this machine.



LOADMASTER VACUUM LOADING SYSTEM

The automatic jib crane type vacuum loading system manufactured by ERMAKSAN provides great convenience to its users by allowing the raw material to be loaded easily and automatically on the shuttle table precisely and properly. It is a practical and affordable solution for mass production.



VACUMASTER VACUUM LOADING SYSTEM

The semi-automatic jib crane type vacuum loading system manufactured by ERMAKSAN provides great convenience to its users by allowing the raw material to be loaded easily and automatically on the shuttle table precisely and properly. It is a practical and affordable solution for mass production.



