Innovative Technologies.

LASERMAK
CO_2 Laser Cutting Machine

ERMAKSAN
SHEET METAL WORKING MACHINERY

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 continously 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.

ERMAKSAN
SHEET METAL WORKING MACHINERY

InnovativeTechnologies.

16.000

Double sided machining capacity of
16.000 mm single part.

3.000

3.000 machines manufactured annually.

LASERMAK

CO_2 Laser Cutting Machine

To get perfect cutting results, Lasermak frame and components are specially machined in CNC machining centers with maximum precision. Lasermak is equipped with linear motors which is an optional specification in most cases for other brands. The axis, moving along with strong magnets mounted on the frame, provide high speed and maximum acceleration. (Y axis 3G). This high speed and acceleration provides increased efficiency and productivity while also decreasing operational costs.

Frame and bridge are assembled by expert engineers and tested with latest high-tech measuring technology in every phase of manufacturing process. This is the main reason of the perfectness in square and circular cutting. There is no need for secondary operations and Lasermak produces parts ready-to-assemble.

Control panel.
Renowned quality and technology with user friendly Fanuc controller.

Perfect cut solutions with high speed;

Reduce your working hours with Lasermak's corrosion and friction free linear motors.

Perfect cut solutions with high speed

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

Best choice in laser

- **Lasermak is ready for lights-off production and increase your output.**
- **Extremely low cost maintenance requirements for Fanuc resonator (24,000 hours turbo blower lifetime) and no-maintenance linear drives will give you the best cost per part.**
- **Lasermak outputs finished products and doesn't require secondary operation like deburring, thus increasing your productivity.**

Best choice in laser;

Perfect cutting speeds with out and out innovative technologies thanks to Ermaksan's expert engineers developing Lasermak.

Linear motorized ultra fast Lasermak is combined with today's latest CO_2 resonator technology. 3 main points were in our engineers' minds while designing Lasermak;

LOW OPERATING COSTS

- While the competition in the market is getting harder, low electricity and gas consumption will create big advantages and will let you quote low cost parts/products "just in time".

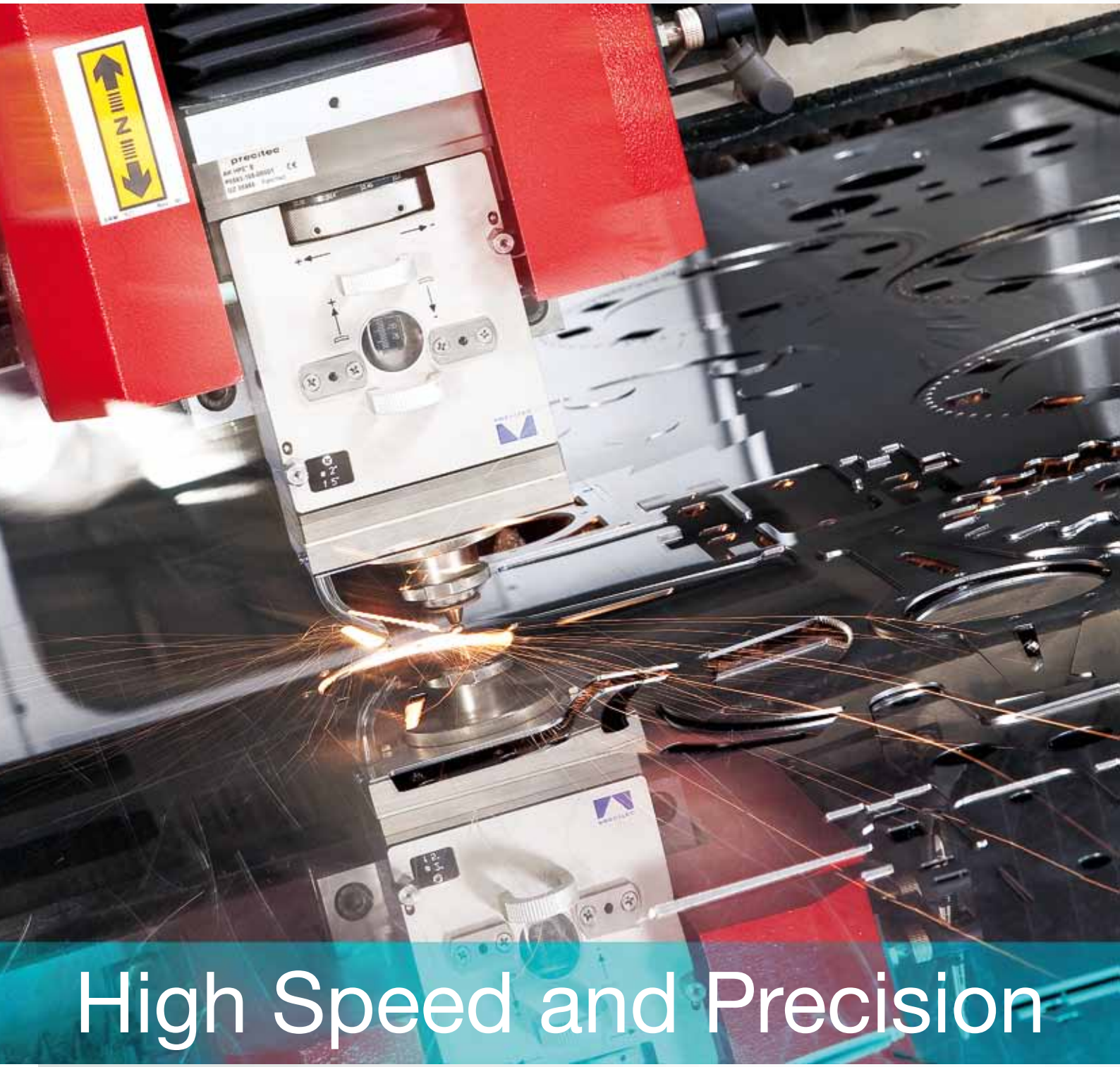
DURABILITY

- Strong frame construction, world wide recognized brands and long life components that are used in Lasermak will increase your performance in every condition.

BEST MACHINE BEST PRICE

- Ermaksan reflects its mass manufacturing capability to its prices at your advantage, while having a principle of maintaining highest level of quality, unique design and technology in its products.

Automatic pallet changer.
Rapid sheet loadings thanks to dual pallet loading system.



High Speed and Precision

170m/min

General Features

- Bridge type flying optic laser.
- High Speed : 170 m/dk. (Simultaneous)
- High Acceleration : (X: 2G; Y: 3G)
- Accuracy : Repetition : ± 0.015
  Positioning : ± 0.03
- Dynamic and high precision axes with linear motors.
- Best cutting result with constant beam path and compensation system which is synchronized with X axis bridge.
- Stress relieving process applied to frame after welding process.
- High performance rigid aluminum bridge.
- Low energy and gas consumption.
- Highly integrated complete system package from Fanuc. (Laser resonator, controller and linear motors)
- Compact exchangeable cartridge for 5” and 7,5”
- Height control with capacitive nozzle sensor.
- High pressure cutting head (25 bar - 362 psi)
- Ping-pong function providing shortest hole-to-hole time.
- Lantek CAD-CAM software with full auto-nesting.
- Film burning feature.
- Lasermak automatic cutting technology tables.
- 3 Different cutting technology for all materials and thicknesses.
- Advanced cutting features. (Edge, start-up, power control function)
- Automatic nesting, machining, time and cost calculation.
- Automatic loading-unloading unit.
- Restart and retrace function.
- 3 point reference sensor.
- Auto-focus cutting head.
- Part and scrap collecting conveyor.
- Reliable high/low pressure assist gas system. (Two proportional valves)
- Automatic controlled synchronized suction system.
- Special filtered air dryer system.
- Precise temperature control for water cooling system.

Resonator-Laser Power Unit **Fanuc CO_2**

C 1000 i / C 2000 i / C 4000 i / C 5000 i / C 6000 i

- “Fanuc beam mode” is designed to cut thin and thick sheets in optimum speeds so it will give the lowest damage to the lens and mirrors. Life time of optic components is very long.
- Fanuc resonator uses one type gas mixture. Extremely low gas consumption. (10 lt/hr)
- Advanced alarm circuits.
- “Photo-Catalytic Element” removes hydrocarbons to avoid mirror contamination and protects laser power supply units.
- Automatic aging, leak check and warm-up functions reduce maintenance time.
- Highest reliability with intelligent technology.
- Nano-machined mirror holders reduce resonator setup time after maintenance and doesn’t require beam alignment after cleaning the mirros.
- Thanks to the new production technology, maintenance period for turbo blower is 24,000 hours.

Power of laser

NO WEAR ON ELECTRODES

- Electrodes are mounted outside of the discharge tubes. The discharge tubes produce the laser beam, therefore there is no contact between electrodes and discharge tubes and as a result there will be no wear on electrodes and could be used for a long time.

LOW GAS CONSUMPTION

- Compared to DC-Discharge, energy consumption of RF-Discharge technology is considerably lower.

CONSTANT POWER OUTPUT

- Homogenous gas discharge system keeps the laser output power always constant. Laser output power guarantees continuous cutting quality.

- Fanuc mode is especially designed to achieve the best cutting results over a wide range of thickness.

- Fanuc 4 kW has only 6 folding mirrors. (Fanuc 2.5 kW has only 3 folding mirrors)

- Fanuc use a modular power supply system. (Typically 1 PSU per 1 kW output power)

- Fanuc lasers offer latest RF excitation technology.

- Discharge circuits of Fanuc lasers do not need any maintenance.

- Highest maintenance efficiency.

0.5 mm stainless

PRECITEC HP 1,5” Z - HP 2” Z LASERMATIC CUTTING HEAD

- Exchangeable cartridge system for high pressure cutting applications. The cartridges which the lens are fixed on are very practical and easy to use. When the thickness is changed it will only take a few minutes to setup the new adjustments for the new cut.
- 3.75”, 5”, 7.5”, 10” (with extension adaptor) focal lengths are provided by two exchangeable cartridges on the cutting head.
- Effective lens and cooling system.
- Two assist gas connection.
- Compact exchangeable cartridge (dual focal lengths) between - 18mm and + 10mm provides lots of advantages for cutting.
- The cutting head can be operated at high gas pressure up to 25 bar. (2.5 MPa)
- Integrated distance sensor control keeps the distance same always between sheet and nozzle.
- Error signals to protect cutting head from collision, cable cut and body touch.

PRECITEC HP 1,5” M HP 2” M LASERMATIC MOTORIZED CUTTING HEAD

- Exchangeable cartridge system for high pressure cutting applications.
- Automatic adjustable lens position with motorized head.
- When sheet thickness or material is changed there is no need to adjust focus length thanks to signals between CNC and motorized head.
- Cartridge replacement system enables to replace lens faster.
- Electronic cartridge detection. (only 2” cutting head)
- Integration of PS130-sensors and preamplifier into the cutting head. (optional)
- Laser crack sensor warns the operator about the cracks in the sensors (Standard for 1,5” M) shuttle table.

Air drier and conditioner.

SHUTTLE TABLE

- Automatic or manually controllable dual shuttle table technology provides continuous production.
- Lasermak integrated clamping system gives the best solution to fix thin sheets to the shuttle table.
- Safety standards according to CE standards.

CONVEYOR

- Conveyor placed under the machine frame carries dropped scraps and dross which is collected into a wheeled scrap box.

AIR DRIER AND CONDITIONER

- Chemical air dryer and filters are very important and provides protection for the beam path and optical elements against oil, dust and humidity.

MACHINE FRAME

- Machine frame was designed with fine element method and with its stress relieved, durable, rigid, mono block construction it will provide the same cutting precision for years.
- Machine frame was designed in one piece so it can be setup up and transported very quickly.
- Safety window panel's surrounding the work area protects the operator and provides a clear view of the cutting process.

Sliding door system.
Full access to table with sliding doors.

SUNCTION SYSTEM

- Independent suction windows are synchronized with the cutting head. The suction window opens according to the cutting head position. Therefore optimal suction is provided to avoid environment pollution.

Suction system.

COOLING SYSTEM

- Cooling water system is designed to cool laser source, optical components, cutting head and linear motors.
- Protection against freezing.
- Alarm level and warning messages.
- All material in contact with water are made from stainless steel.
- Integrated heating to warm up the water.
- Low noise.
- Low energy consumption.

Cooling system.

Bridge.
Aluminum cast bridge manufactured with high precision.

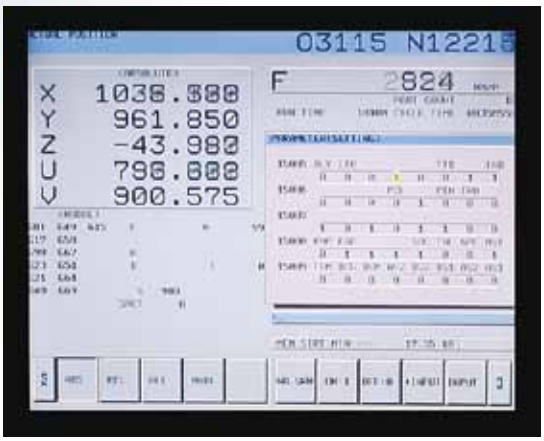
Easy control

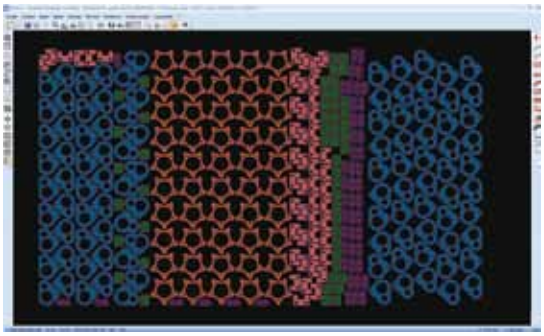
Control Panel **Fanuc 16i-LB**

- Years of joint experience in production for resonator, controller, driver and linear motor. Perfect integration and maximum control.
- World’s biggest manufacturer for CNC controllers.
- 10.4” color LCD screen.
- 512 KB part program memory.
- Ethernet or PCMCI card connections.
- Programmable high speed for reducing cycle times.
- High speed approaching function.
- Easy access for cutting data tables.
- Edge, machining and start-up functions.
- Integrated laser screens.
- Control characteristics can be changed by parameter setting.
- Ping-pong function. (very short hole-to-hole times)
- Restart and retrace function.
- Display screen for periodic maintenance and alarm history.
- Program formation with MDI panel.
- Time and cost calculation.

CAD/CAM SOFTWARE
Lantek Expert

Lantek Expert Cut CAD / CAM Software with the Lasermak postprocessor has functions to make the cutting easy with automatic machining and nesting, time/cost calculation, micro - joint, partner cutting. Cutting parameters (cutting, piercing, edge, power control) and technology charts for each part can be written directly into the part program by proprietary Lasermak postprocessor, thus part programs created on Lantek can be transferred and run on the machine without any need for parametrical change on the CNC. Furthermore it has a feature to make a hole with a diameter of 0.5 times sheet thickness and marking.





EASY PROGRAMMING FEATURES

- Lantek contains cutting data table for all material types and thicknesses.
- Automatic nesting and machining.
- Time/cost calculation.
- CAD module.
- Micro-joint feature which keeps the part on the sheet after it's cut.
- Common cut feature.
- Film burning.
- Automatic lead-in/lead-out.

Key to impeccable cuts

Linear motor tech.
Linear motor technology consists of magnetic fields providing corrosion, maintenance and friction free drives.

Key to impeccable cuts;

Lasermak it can all kind of metal sheet to maintain the highest production capacity with maximum precision and quality.

Compansation axis. (V axis)
Best cutting result with constant beam path and compensation system which is synchronized with bridge on X axis. With this feature you will get perfect cutting result on every point of the table.

0,5 mm stainless

Standard Equipments

- Machine frame,5 axes (X,U,Y,V with linear motor - Z axis with servo motor); High speed laser cutting machine
- Chiller unit, for laser source, linear motors, cutting head and all optic components, equipped with a special micron rated water filter.
- CNC control unit, Fanuc 16i-LB 10.4” LCD Screen, display screen for all laser and maintenance functions, program storage with ethernet and PCMCI card.
- Cutting head, precitec HP1.5” (for 2.5 KW); HP2” (for 4 KW)
- Exchangeable cartridge system, precitec 5” and 7.5”
- Easy changeable lens Kit, ZnSe positive meniscus lens.
  7.5“ for 2” cutting head (50.8 mm Dia* 190.5 mm FL) - edge thickness: 0.38 inch
  5” for 2” cutting head (50.8 mm Dia* 127 mm FL) - edge thickness: 0.38 inch
  7.5” for 1.5” cutting head (38.1 mm Dia* 190.5 mm FL) - edge thickness: 0.3 inch
  5” for 1.5” cutting head (38.1 mm Dia* 127 mm FL) - edge thickness: 0.3 inch
- Capacitive approaching controller, sensitive distance control with precitec EG8010 adjust box.
- Nozzle Kit,
  - 0.8mm, 5 pieces - 1.0mm, 5 pieces - 1.2mm, 5 pieces - 1.5mm, 5 pieces
  - 2.0mm, 5 pieces - 2.5mm, 5 pieces - 3.0mm, 5 pieces
- Optical mirror kit, 5 pieces folding mirror.
- Cutting head ceramic part kit, 2 pieces ceramic part.
- Beam path system, special beam path protective bellows.
- Gas and air control, two proportional valve for pressure adjustment, two sensor to control high and low pressure.
- Clean - dry air system, chemical air - dryer with active carbonized filter.
- Automatic loading - unloading unit.
- Sheet clamps, four holder clamp on every table.
- Three point reference sensor and programming.
- Conveyor, part and scrap collecting conveyor.
- Warning lamps.
- Lantek CAD - CAM software.
- Machine and operator safety system.
- PCMCI flash memory card.
- Manuals for all Lasermak equipments.

Optional Equipments

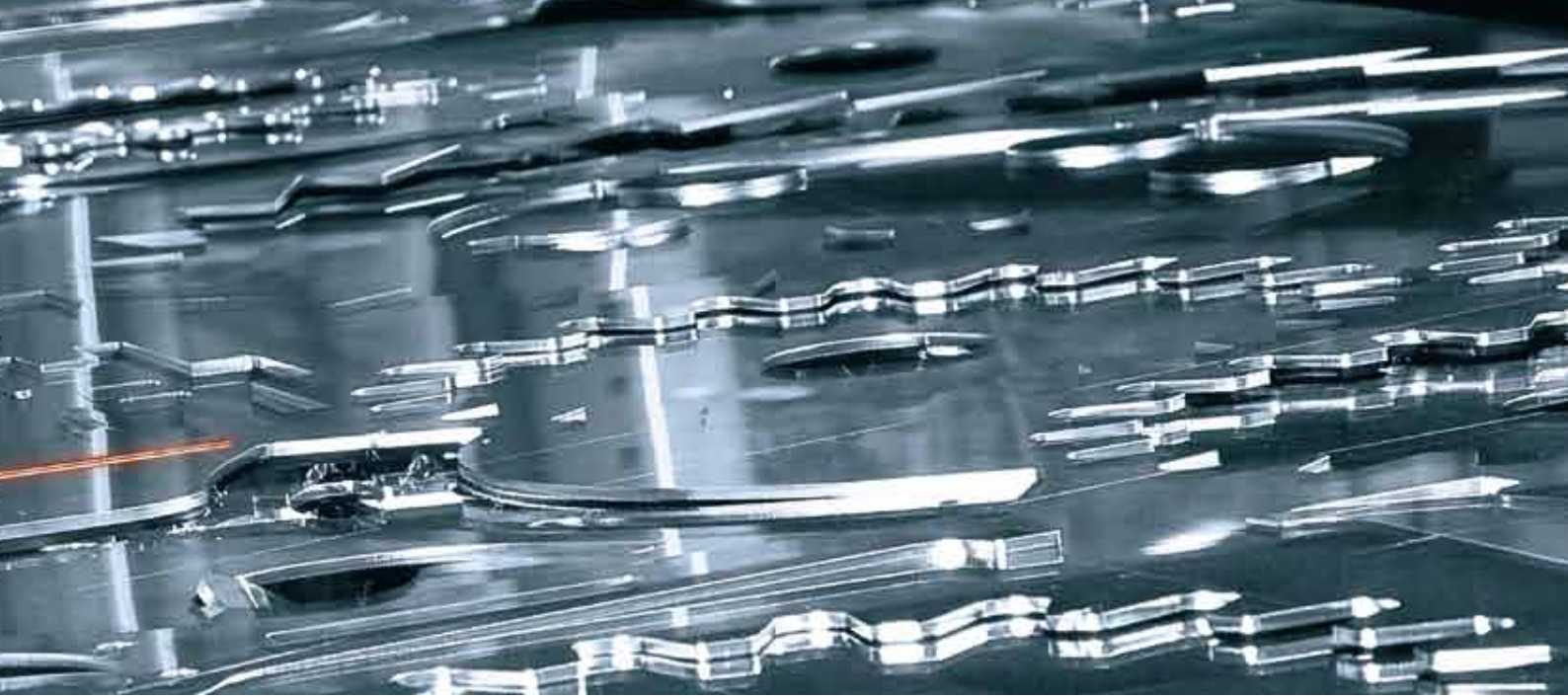
- 3.75” Cutting cartridge and 3.75” Lens (only for 1.5” cutting head) - 10” Lens with extension adaptor.
- Motorized cutting head.
  - Precitec HP 1.5” M(Z) - Integrated lens break sensor.
  - Precitec HP 2” M(Z)
- PS130 piercing sensor, process module, includes lens break and piercing sensors together. (only for HP1.5” HP2” and HP2” M(Z)
- Protective glasses aganist Lasermak CO_2 laser beam.
- Filter unit.
- Lasermak spare part kit.
  - Ceramic part - 2 pieces
  - Folding mirror - 2 pieces
  - 5” Lens - 2 pieces
  - 7.5” Lens - 2 pieces
  - 1.0 mm nozzle - 10 pieces
  - 1.2 mm nozzle - 10 pieces
  - 1.5 mm nozzle - 10 pieces
  - 2.0 mm nozzle - 10 pieces
  - 2.5 mm nozzle - 10 pieces
  - 3.0 mm nozzle - 10 pieces
- Flexible automation solutions.
- Pipe cutting system.
- Automatic nozzle cleaning and changing system.

Pipe cutting system.

Automatic nozzle cleaning and changing system.

Technical Features

			LASERMAK 2500.2,5x1,25	LASERMAK 2500.3x1,5	LASERMAK 2500.4x2
RESONATOR		Watt	2500 Watt CO2-Laser GE Fanuc C2000i-B, Short Optical Path Type	2500 Watt CO2-Laser GE Fanuc C2000i-B, Short Optical Path Type	2500 Watt CO2-Laser GE Fanuc C2000i-B, Short Optical Path Type
MAXIMUM PULSE PEAK POWER		Watt	2700	2700	2700
RF - EXCITATION		MHz	2	2	2
POWER STABILITY		%	± 1 (power monitor)	± 2 (power monitor)	± 2 (power monitor)
PULSE MODE		-	Freq: 5 - 2000Hz Duty: 0 - 100%	Freq: 5 - 2000Hz Duty: 0 - 100%	Freq: 5 - 2000Hz Duty: 0 - 100%
LASER WAVE LENGTH		µm	10,6	10,6	10,6
BEAM MODE		-	Fanuc Low Order Mode	Fanuc Low Order Mode	Fanuc Low Order Mode
LASER SHUTTER		-	Mechanical safe shutter	Mechanical safe shutter	Mechanical Safe Shutter
LASER GAS COMPOSITION		-	CO2 / He / N2	CO2 / He / N2	CO2 / He / N2
LASER GAS COMPOSITION		Liter/hour	10	10	10
LASER GAS COMPOSITION		l/min	75	75	75
CNC CONTROLLER & OPERATOR PANEL		-	GE Fanuc series 16i-LB"LCD mounted"type CNC with 10,4"color screen,512kB part program memory and all relevant laser functions, Ethernet	GE Fanuc series 16i-LB "LCD mounted" type CNC with 10,4" color screen, 512kB part program memory and all relevant laser functions, Ethernet	GE Fanuc series 16i-LB "LCD mounted" type CNC with 10,4" color screen, 512kB part program memory and all relevant laser functions, Ethernet
MAXIMUM WORKSHEET DIMENSIONS		mm	2500x1250	3000 x 1500	4000 x 2000
MAXIMUM WORKSHEET DIMENSIONS					
	MILD STEEL	mm	16	16	16
	STAINLESS STEEL	mm	8	8	8
	ALUMINUM	mm	6	6	6
MAXIMUM BURDEN CAPACITY		kg	1000	1500	2100
MACHINE AXES		-	5-Axes [X, Y, Z, U (X2), V]	5-Axes [X, Y, Z, U (X2), V]	5-Axes [X, Y, Z, U (X2), V]
AXIAL MOVEMENTS					
X, U AXES	Linear Mot. Table	mm	2560	3050	4060
Y AXIS	Linear Mot. Table	mm	1290	1550	2040
Z AXIS	Servo Mot. Cutting Head	mm	100	150	150
V AXIS	Linear Mot. Compensation Unit	mm	1875	2250	3000
ACCELERATIONS					
X, U AXES	Linear Motorized Table	G	2	2	2
Y AXIS	Linear Motorized Table	G	3	3	3
Z AXIS	Servo Motorized Cutting Head	G	2	2	2
MAXIMUM AXES VELOCITIES		m/min	170 (simultaneous) (X,Y single axis velocity 120m/min)	170 (simultaneous) (X,Y single axis velocity 120m/min)	170 (simultaneous) (X,Y single axis velocity 120m/min)
POSITIONING ACCURACY		mm/m	± 0,03	± 0,03	± 0,03
REPETITION ACCURACY		mm	± 0,015	± 0,015	± 0,015
SHUTTLE TABLE (Automatic Loading - Unloading Unit)		palette	2 (30 sec)	2 (35 sec)	2 (45 sec)
ASSIST GAS					
	MILD STEEL	-	Oksijen (0,1-6 Bar)	Oxygen (0,1-6 Bar)	Oksijen (0,1-6 Bar)
	STAINLESS STEEL	-	Nitrojen (0,2-25 Bar)	Nitrogen (0,2-25 Bar)	Nitrojen (0,2-25 Bar)
	STAINLESS STEEL	-	Dry Air or Nitrogen (0,2-25 Bar)	Dry Air or Nitrogen (0,2-25 Bar)	Dry Air or Nitrogen (0,2-25 Bar)
CUTTING HEAD		-	Precitec HP1.5" 25 Bar	Precitec HP1.5" 25 Bar	Precitec HP1.5" 25 Bar
CUTTING HEAD FOCAL LENGTHS		inch	5" - 7,5"	5" - 7,5"	5" - 7,5"
CAD/CAM SOFTWARE		-	Lantek Expert Cut	Lantek Expert Cut	LANTEK CAD / CAM
TOTAL ELECTRIC POWER NECESSITY		kW	50 - 70	50 - 70	50 - 70
MACHINE DIMENSIONS (L x W x H)		mm	9300 x 4830 x 2240	10550 x 5280 x 2030	13490 x 5770 x 2030
MACHINE WEIGHT		kg	13900	16600	22800



LASERMAK 4000.3x1,5	LASERMAK 4000.4x2	LASERMAK 4000.6x2	LASERMAK 6000.3x1,5	LASERMAK 6000.4x2	LASERMAK 6000.6x2
4000 Watt CO2-Laser GE Fanuc C4000i-B, Short Optical Path Type	4000 Watt CO2-Laser GE Fanuc C4000i-B, Long Optical Path Type	4000 Watt CO2-Laser GE Fanuc C4000İ-B, Long Optical Path Type	6000 Watt CO2-Lazer GE Fanuc C6000i- MODEL B 7000	6000 Watt CO2-Lazer GE Fanuc C6000i- MODEL B 7000	6000 Watt CO2-Lazer GE Fanuc C6000i- MODEL B 7000
5000	5000	5000	2	2	2
2	2	2	± 2 (power monitor)	± 2 (power monitor)	± 2 (power monitor)
± 2 (power monitor)	± 2 (power monitor)	± 2 (power monitor)	Freq: 5 - 2000Hz	Freq: 5 - 2000Hz	Freq: 5 - 2000Hz
Freq: 5 - 2000Hz	Freq: 5 - 2000Hz	Freq: 5 - 2000Hz	Duty: 0 - 100%	Duty: 0 - 100%	Duty: 0 - 100%
Duty: 0 - 100%	Duty: 0 - 100%	Duty: 0 - 100%	10,6	10,6	10,6
10,6	10,6	10,6	Fanuc Low Order Mode	Fanuc Low Order Mode	Fanuc Low Order Mode
Fanuc Low Order Mode	Fanuc Low Order Mode	Fanuc Low Order Mode	Mechanical safe shutter	Mechanical safe shutter	Mechanical Safe Shutter
Mechanical safe shutter	Mechanical Safe Shutter	Mechanical Safe Shutter	CO2 / He / N2	CO2 / He / N2	CO2 / He / N2
CO2 / He / N2	CO2 / He / N2	CO2 / He / N2	20	20	20
10	10	10	250	250	250
160	160	160	GE Fanuc series 16i-LB "LCD	GE Fanuc series 16i-LB "LCD	GE Fanuc series 16i-LB "LCD
GE Fanuc series 16i-LB "LCD mounted" type CNC with 10,4" color screen, 512kB part program memory and all relevant laser functions, Ethernet	GE Fanuc series 16i-LB "LCD mounted" type CNC with 10,4" color screen, 512kB part program memory and all relevant laser functions, Ethernet	GE Fanuc series 16i-LB "LCD mounted" type CNC with 10,4" color screen, 512kB part program memory and all relevant laser functions, Ethernet	mounted" type CNC with 10,4" color screen, 512kB part program memory and all relevant laser functions, Ethernet	mounted" type CNC with 10,4" color screen, 512kB part program memory and all relevant laser functions, Ethernet	mounted" type CNC with 10,4" color screen, 512kB part program memory and all relevant laser functions, Ethernet
3000 x 1500	4000 x 2000	6150 x 2000	3000 x 1500	4000 x 2000	6150 x 2000
20	20	20	25	25	25
12	12	12	15	15	15
8	8	8	12	12	12
1500	2500	4000	2000	3500	5000
5-Axes [X, Y, Z, U (X2), V]	5-Axes [X, Y, Z, U (X2), V]	5-Axes [X, Y, Z, U (X2), V]	5-Axes [X, Y, Z, U (X2), V]	5-Axes [X, Y, Z, U (X2), V]	5-Axes [X, Y, Z, U (X2), V]
3050	4060	6200	3050	4060	6200
1550	2040	2040	1550	2040	2040
150	150	150	150	150	150
2250	3000	4000	2250	3000	4000
2	2	2	2	2	2
3	3	3	3	3	3
2	2	2	2	2	2
170 (simultaneous)	170 (simultaneous)	170 (simultaneous)	170 (simultaneous)	170 (simultaneous)	170 (simultaneous)
(X,Y single axis velocity 120m/min)	(X,Y single axis velocity 120m/min)	(X,Y single axis velocity 120m/min)	(X,Y single axis velocity 120m/min)	(X,Y single axis velocity 120m/min)	(X,Y single axis velocity 120m/min)
± 0,03	± 0,03	± 0,03	± 0,03	± 0,03	± 0,03
± 0,015	± 0,015	± 0,015	± 0,015	± 0,015	± 0,015
2 (35 sec)	2 (45 sec)	2 (65 sec)	2 (35 sec)	2 (45 sec)	2 (65 sec)
Oxygen (0,1-6 Bar)	Oksijen (0,1-6 Bar)	Oksijen (0,1-6 Bar)	Oxygen (0,1-6 Bar)	Oxygen (0,1-6 Bar)	Oksijen (0,1-6 Bar)
Nitrojen (0,2-25 Bar)	Nitrojen (0,2-25 Bar)	Nitrojen (0,2-25 Bar)	Nitrojen (0,2-25 Bar)	Nitrojen (0,2-25 Bar)	Nitrojen (0,2-25 Bar)
Dry Air or Nitrogen (0,2-25 Bar)	Dry Air or Nitrogen (0,2-25 Bar)	Dry Air or Nitrogen (0,2-25 Bar)	Dry Air or Nitrogen (0,2-25 Bar)	Dry Air or Nitrogen (0,2-25 Bar)	Dry Air or Nitrogen (0,2-25 Bar)
Precitec HP2" 25 Bar	Precitec HP2" 25 Bar	Precitec HP2" 25 Bar	Precitec HP2" 25 Bar	Precitec HP2" 25 Bar	Precitec HP2" 25 Bar
5" - 7,5"	5" - 7,5"	5" - 7,5"	5" - 7,5" - 10'	5" - 7,5" - 10"	5" – 7,5" – 10"
LANTEK EXPERT CUT	LANTEK CAD / CAM	LANTEK CAD / CAM	LANTEK EXPERT CUT	LANTEK EXPERT CUT	LANTEK CAD / CAM
65 - 90	65 - 90	65 - 90	100 - 120	100 - 120	100 - 120
10550 x 5280 x 2030	13490 x 5770 x 2030	17900 x 5840 x 2130	10550 x 6710 x 2030	13490 x 7200 x 2030	17900 x 7270 x 2130
17000	23200	30100	18100	24200	31100

ERMAKSAN
SHEET METAL WORKING MACHINERY

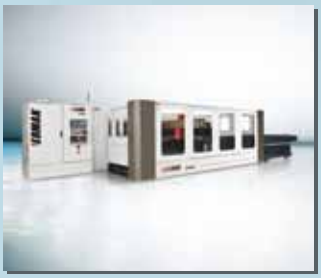
InnovativeTechnologies.

→ Products

ermaksan.com.tr/eng/laserseries

→ LASER SERIES

- **FIBERMAK**
  Fiber Laser Cutting
- **LASERMAK**
  CO_2 Laser Cutting



ermaksan.com.tr/eng/plasmaseries

→ PLASMA SERIES

- **3 AXES PLASMA**
  Plasma Cutting
- **5 AXES PLASMA**
  Plasma Cutting

ermaksan.com.tr/eng/pressbrake

→ PRESS BRAKE SERIES

- **EVOLUTION**
  Hybrid Press Brake
- **SPEED-BEND**
  Synchronized Hydraulic Press Brake
- **POWER-BEND PRO**
  3 Axes (R Manual) CNC Press Brake
- **ECO-BEND**
  3 Axes CNC Press Brake

ermaksan.com.tr/eng/shearseries

→ SHEAR SERIES

- **CNC HVR**
  Variable Rake Hydraulic Guillotine Shear

- **HGD**
  Hydraulic Swing Beam Shear

- **HGS-A**
  Hydraulic Swing Beam Shear

ermaksan.com.tr/eng/punchpress

→ PUNCH PRESS SERIES

- **ETP**
  Cnc Turret Punch Pres

- **CPP**
  Combined Plasma Punch Press

- **RPP**
  Rotative Punch Press

ermaksan.com.tr/eng/ironworker

→ IRON WORKER

- **EKN-6**
  Hydraulic Corner Notcher

- **EKM**
  Iron Worker

ermaksan.com.tr/eng/pressbrake

→ HEAVY DUTY

- **TANDEM**
  Heavy Duty Press Brake

По вопросам продаж и поддержки обращаться:
Астана +7(7172)727-132, Волгоград (844)278-03-48, Воронеж (473)204-51-73,
Екатеринбург (343)384-55-89, Казань (843)206-01-48, Краснодар (861)203-40-90,
Красноярск (391)204-63-61, Москва (495)268-04-70, Нижний Новгород (831)429-08-12,
Новосибирск (383)227-86-73, Ростов-на-Дону (863)308-18-15, Самара (846)206-03-16,
Санкт-Петербург (812)309-46-40, Саратов (845)249-38-78, Уфа (347)229-48-12
Россия, Казахстан и другие страны ТС. Доставка в любой город
Единый адрес для всех регионов: enk@nt-rt.ru || ermaksan.nt-rt.ru