



LASER FIBER CUTTING SYSTEMS



PURE TECHNOLOGY





have e**V**ision

be i**N**spired

think e**S**mart

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POWER-TECH specializes in manufacture of laser cutting systems of EAGLE brand, which use the newest laser technology – Fiber laser source.

Our company is defined by people. Young, creative people, who achieve deep satisfaction by the realisation of their own ideas. What unites us and makes the company more than a mere workplace is the desire to create innovative devices based on the experience, knowledge and the highest quality components.

Our everyday activities are focused on development, improving and implementing effective changes. We work to provide our customers with integrated systems that are the best partner in production for each sheet thickness.

Machines. We are at the world's forefront in the field of laser cutting systems. The iNspire, eVision and eSmart machine series are complete production devices which can cut parts with high surface quality and high accuracy while maintaining a very high dynamics of cutting process.

We understand the production processes for this reason with laser cutting machine we offer you:

- comfortable, trouble-free operation;
- easy operation, control and accounting production;
- low gas and energy consumption;
- low maintenance costs;
- the highest cutting precision;
- high dynamics and maintenance of operating parameters;
- quick delivery of spare parts.



Innovative, technologically advanced

FLEXIBLE OFFER

Production processes differ from each other in every company and have their own characteristics. Taking this into account, we strive to meet our customers' expectations and needs. We offer three series of machines: iNspire, eVision and eSmart. We have designed the machines from each series in a such a way as to enable our customers to select appropriate power from 1 to 12 kW as well as size of the processing table. The customisable configuration allows the customers to purchase a machine tailored to their specific requirements.

For customers who want to automate their production we provide the possibility of expanding the system with a device for cutting tubes and profiles as well as loading and unloading systems with a warehouse.

The ergonomics achieved thanks to the compact system structure allowed for a 30% decrease in the space requirements. The laser source, the chiller, the control cabinet and the pneumatic system are integrated within one machine housing. Thus it is possible to install the EAGLE laser in the smallest of locations.

The company's offer is aimed both at subcontractors and manufacturers. Depending on the production profile we offer the following machine series:



EFFICIENT

iNspire SERIES MACHINES ARE INNOVATIVE, TECHNOLOGICALLY ADVANCED DEVICES DEDICATED TO HIGH-PRECISION MASS PRODUCTION, FOR CUSTOMERS WITH THE HIGHEST EXPECTATIONS



UNIVERSAL

eVision SERIES MACHINES ARE UNIVERSAL, MODERN DEVICES USED FOR DIVERSE AND EFFICIENT PRODUCTION



ECONOMIC

eSmart SERIES MACHINES ARE DEVICES DEDICATED TO ECONOMIC CUTTING BOTH SHORT AND LONG SERIES

AVAILABLE LASER SOURCES AND MAXIMUM SHEET THICKNESS

Depending on the type of production or business you can optimally adjust the laser power.

We offer you laser sources with the powers ranging from 1kW to 12 kW.

		AVAILABLE LASER SOURCES	[um]	1kW	1,5kW	2kW	3kW	4kW	5kW	6kW	8kW	10kW	12kW
MAX. SHEET THICKNESS ¹⁾	carbon steel	[mm]		10	14	16	20	20	25	30	40	50	60
	stainless steel	[mm]		4	6	10	15	20	25	30	40	50	60
	aluminium	[mm]		2	4	6	12	15	20	30	35	40	50
	brass	[mm]		2	3	4	6	8	10	12	15	20	30
	copper	[mm]		1,5	2	4	6	6	8	10	15	20	25

¹⁾ The values obtained in conditions depending on the quality of the workpiece, cutting gas quality, quality of service and the NC program and the state of wearing parts

EFFICIENT



iNspire series

BASE DATA

Cutting speed: **max 150 m/min**

Positioning: **350 m/min**

Accelerations: **6G**

Laser sources: **from 1 to 12kW**

STANDARD EQUIPEMENT

- laser fiber source;
- dynamic linear motors in all axes;
- modern body made of composite material;
- traverse manufactured from carbon fiber;
- superfast pallet changer;
- cutting head equipped with automatic focusing.



SPECIFICATIONS

MACHINE MODEL [um] **1225** **1530** **2040** **2060** **2560**

MACHINE DIMENSIONS AND WEIGHT¹⁾

length	[mm]	8800	10000	11200	14000	14000
width	[mm]	2800	3080	4100	4100	4750
height	[mm]	3060	3060	3060	3060	3060
weight	[kg]	12600	18100	21600	23300	24500

WORKING AREA

X axis	[mm]	2560	3060	4060	6060	6060
Y axis	[mm]	1290	1540	2040	2040	2540
Z axis	[mm]	100	100	100	100	100
max. sheet weight	[kg]	550	900	1400	2100	2300

MAX. SPEEDS

parallel to X, Y, Z axis	250 [m/min]
simultaneously	350 [m/min]

AXIS PARAMETERS

repeatability	0,03 [mm]
cutting precision	0,05 [mm]
accelerations	60 [m/s ²]
min. programmable	0,001 [mm]

¹⁾ Approximate values. The exact parameters are specified in the installation plan.



Benefits:

- ✓ *the highest efficiency of cutting;*
- ✓ *high dynamics of work;*
- ✓ *highest precision of cutting parts;*
- ✓ *elecro sheet cutting with no burr;*
- ✓ *failure-free operation;*
- ✓ *low operating costs;*
- ✓ *easy-to-use software;*
- ✓ *compact design - saves space in the hall.*

The iNspire cutting machines are state-of-the-art, extremely precise and dynamic machines dedicated to demanding mass production e.g. cutting the elements of electric motors and elements of complex shapes. Their main feature is the efficiency.

The iNspire cutting machines achieve cutting speeds of up to 150 m/min and acceleration of nearly 6G; they guarantee the best quality, precision and cutting efficiency.

The iNspire cutting machines are available with 1 to 12 kW fiber laser source.

UNIVERSAL

eV

eVision series

BASE DATA

Cutting speed: **max 150 m/min**

Positioning: **250 m/min**

Accelerations: **3G**

Laser sources: **from 1 to 12kW**

STANDARD EQUIPEMENT

- reliable laser fiber source;
- superfast, automatic changer tables;
- linear motors on all axes;
- modern body made of composite material;
- traverse made of steel;
- one, intelligent cutting head allows metal processing of the entire available spectrum of sheet thickness.



SPECIFICATIONS

MACHINE MODEL	[um]	1225	1530	2040	2060	2560
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MACHINE DIMENSIONS AND WEIGHT ¹⁾

length	[mm]	8800	10000	11200	14000	14000
width	[mm]	2800	3080	4100	4100	4750
height	[mm]	3060	3060	3060	3060	3060
weight	[kg]	12600	18100	21600	23300	24500

WORKING AREA

X axis	[mm]	2560	3060	4060	6060	6060
Y axis	[mm]	1290	1540	2040	2040	2540
Z axis	[mm]	100	100	100	100	100
max. sheet weight	[kg]	550	900	1400	2100	2300

¹⁾ Approximate values. The exact parameters are specified in the installation plan.

MAX. SPEEDS

parallel to X, Y, Z axis	150 [m/min]
simultaneously	250 [m/min]

AXIS PARAMETERS

repeatability	0,03 [mm]
cutting precision	0,1 [mm]
accelerations	30 [m/s ²]
min. programmable	0,001 [mm]



Benefits

- ✓ *high efficiency of work;*
- ✓ *possibility of producing short and long series from different materials;*
- ✓ *reduce production costs;*
- ✓ *failure-free operation;*
- ✓ *a wide range of workpiece materials;*
- ✓ *easy-to-use software;*
- ✓ *modern methods of safe metalworking.*

The eVision laser cutting machines are an economic solution for diverse production of large and small product batches, made of thin or thick sheets, 7 days a week and 365 days a year.

The eVision cutting machines achieve cutting speeds of up to 150 m/min and acceleration of nearly 3G; they guarantee the best quality, precision and cutting efficiency.

The eVision cutting machines are available with 1 to 12 kW Fiber laser source.

ECONOMIC

eS

eSmart series



BASE DATA

Cutting speed: **max 100 m/min**

Positioning: **210m/min**

Accelerations: **2G**

Laser sources: **from 1 to 4kW**

STANDARD EQUIPEMENT

- reliable laser fiber source;
- linear motors on all axes;
- modern body made of composite material;
- one, intelligent cutting head allows metal processing of the entire available spectrum of sheet thickness;
- pallet changer without hydraulics.

SPECIFICATIONS

MACHINE MODEL	[um]	1225	1530
MACHINE DIMENSIONS AND WEIGHT ¹⁾			
length	[mm]	8000	8900
width	[mm]	2000	2320
height	[mm]	2140	2140
weight	[kg]	12000	15000
WORKING AREA			
X axis	[mm]	2560	3060
Y axis	[mm]	1290	1540
Z axis	[mm]	100	100
max. sheet weight	[kg]	550	900

MAX. SPEEDS

parallel to X, Y, Z axis	120 [m/min]
simultaneously	210 [m/min]

AXIS PARAMETERS

repeatability	0,03 [mm]
cutting precision	0,1 [mm]
accelerations	20 [m/s ²]
min. programmable	0,001 [mm]

¹⁾ Approximate values. The exact parameters are specified in the installation plan.



Benefits

- ✓ *good price;*
- ✓ *simple design;*
- ✓ *simple operation;*
- ✓ *easy to manufacture short series from incomplete sheets;*
- ✓ *constant supervision of the operator of the production process by placing the pallet changer from the operator's side;*
- ✓ *a wide range of workpiece materials;*
- ✓ *the possibility of buying the machine with one palette.*

Eagle eSmart is an economical choice for all those who need trouble-free, simple-to-use laser cutting machines. Devices of this series require little space, are perfect for the machine manufacturing companies that can afford the comfort of having a laser to cut short and long series and effectively cut even a single detail of their own.

The eSmart cutting machines achieve cutting speeds of up to 100 m/min and acceleration of nearly 2G; they guarantee the best quality, precision and cutting efficiency.

The eSmart cutting machines are available with 1 to 4 kW laser source.



Technology of light

FIBER TECHNOLOGY

The continuously increasing demands for the efficiency and quality of production processes make us look for more and more modern technological solutions. In order to meet the market needs we use laser metalworking techniques based on Fiber sources (Fiber optical laser).

The flexible production, the almost unlimited variety of the cut shapes, the wide range of processed materials combined with extremely high quality answer the question why the laser cutting technology is said to be indispensable in sheet metal processing.

FIBER LASER FEATURES

RELIABLE

Fiber laser is designed for 100,000 hours of operation. During that period, the maintenance or replacement of operational elements of the laser is not required. With the modular design of the source, the failure of one module does not result in stopping operation of the whole system.

UNIVERSAL

Fiber laser can be used to treat different types of materials, such as mild steel, stainless steel or strongly reflective aluminum sheets - like copper and brass, as well as special steels and steel thickness range from 0.1 mm to 60mm.

COST-EFFECTIVE

The laser beam is guided through the fiber which enables to transfer energy from the laser source to the cutting head without any interruption and loss of power. In comparison to CO2 technologies, the mirrors for guiding the laser beam in the machine and lamps have been eliminated. Also, there are no moving parts, such as the vacuum pump or turbine. It minimizes the maintenance costs.

ECOLOGICAL

Fiber uses 70% less energy than CO2 laser. Fiber laser converts electrical energy directly into light and achieves power efficiency of 30%. It uses less power when operating at full load than CO2 laser in the standby mode (ready to work but not working).

COST-EFFECTIVE

The fiber laser is fully sealed and does not require to maintain continuously specified pressure in the resonator and therefore it does not consume resonator gases. It uses oxygen and nitrogen for cutting.

PRECISE

Accurate, repeatable cutting of various shapes.

EFFICIENT

8 times faster cutting of thin sheets as compared to CO2 laser. Just as fast cutting and quicker burning through of thick sheets.

Benefits

- ✓ *increases productivity by 80%*
- ✓ *reduces maintenance costs by 70%*
- ✓ *ensures 80% energy saving*
- ✓ *minimizes gas consumption*
- ✓ *enables 30% floor space saving.*

STANDARD CUTTING HEAD

The laser system performs the cutting with one cutting head which has been designed specifically for lasers based on the Fiber technology. The standard equipment of the cutting head consists of automatic focusing. Moreover, it is provided with a protective glass, mounted under the lowest lens, which prevents lens contamination and lowers the operating costs. The standard equipment also includes a protective glass for the collimator lens which extends its working life.

AF – Auto Focusing

This function enables automatic setting of the focal length by the machine's control system. It reduces the time required to adjust the focal length to the given material type and thickness, reduces operator intervention and significantly speeds up the piercing process.

LINEAR MOTORS

Linear motor is an electric motor which exchanges electric energy directly into mechanical energy of the translational motion. This technology has the following advantages: reduced friction, lack of clearances, lack of transmissions generating energy loss and lack of positioning failures. As far as efficiency is concerned, the most important feature of linear motors is the possibility to achieve considerable operational dynamics.

Benefits

- ✓ *reliability;*
- ✓ *maintaining the cutting parameters for the lifetime of the machine;*
- ✓ *very high accelerations 6G and feed speeds;*
- ✓ *require no maintenance;*
- ✓ *linear motors do not wear out.*





ABSOLUTE LINEAR ENCODERS

Absolute linear encoders are intended for setting location of working components in the machine. Due to unique method of operation, these devices offer many possibilities that are improving operation of the machine. To specify location, measuring head moving over the linear encoder, is taking photos of a scale with barcode and analyses it. Therefore, it is able to determine location with resolution up to 1 nanometre.

Ready to go in 15 seconds

Benefits:

- ✓ *machine does not require referencing, is ready for operation immediately;*
- ✓ *100% control of cutting process - dynamics and movement of the machine;*
- ✓ *higher accuracy and dynamics of cutting;*
- ✓ *minimum machine downtime.*

Advantages of absolute linear encoders:

- with the newest TwinCat3 software the machine is ready to work in 15 seconds;
- absolute linear encoders are resistant to contaminations and scratches, what means that even in case of contamination level equal of 80% the linear encoders can operate without interferences - they should be cleaned less frequently;
- bigger resolution - pitch every 5 nm is already nanotechnology that offers high positioning accuracy at high accelerations;
- frequency 22 kHz of signals readout by the controls, which allows obtaining very accurate information about position of machine.

PALLET CHANGER

The dynamic pallet changer allows for quick pallet replacement. Consequently improves the efficiency of the machine and facilitates the operator's work. Pallet changer is fully automated. Its construction allows for complete pallet replacement within 10 seconds. Such parameters are achieved by removing hydraulic system and reducing the number of components. Solutions used in the machine reduces non-productive time of the system to a minimum.

Benefits

- ✓ *allows the loading and unloading of sheets without stopping the cutting process;*
- ✓ *easy access from three sides;*
- ✓ *raises global productivity of the machine;*
- ✓ *increases comfort of the work;*

BODY MADE OF COMPOSITE MATERIAL


The body of EAGLE machines is manufactured from a high-tech composite material that has unique mechanical properties: a hundred times higher damping coefficient than steel and high temperature stability. It is also characterized by highly precise forming and repeatability. It is biodegradable.

The massive polymer concrete body greatly dampens vibrations and provides precise cutting on the level comparable to measuring devices. It is a stable base for extremely fast and efficient linear motors which prevents the vibrations resulting from dynamic direction changes of the cutting head. It is the perfect solution especially in large production batches of components cut in thin steel e.g. rotor and stator elements.

✓ *Benefits:*

- highest accuracy;*
- ✓ *increases productivity.*





Dynamic and precision

CARBON FIBER TRAVERSE

The material's Fiber structure is highly organized and grants it considerable mechanical resistance. The major advantages of carbon Fibers are: small density, good thermal and electrical conductivity. They are used especially in the cases when high durability of products is required combined with low weight. Carbon Fiber is used to produce elements operating under huge loads e.g. in Formula 1 cars, aerospace constructions and EAGLE machines.

Traverse manufactured from carbon Fiber reduces the mass of moving machine parts and at the same time provides nearly perfect rigidity which results in high precision machining. The application of such a material facilitates extremely dynamic and precise cuts. It is an ideal solution especially for those applications requiring large batches of precise accurate components.



To reach higher

eVa EAGLE'S CUTTING HEAD

The EAGLE offers an innovative solution, setting new standards in the laser cutting industry - the eVa cutting head. Thanks to that, laser cutting process is possible with sheets of up to 60 mm of thickness using just one cutting head.

eVa, is a world scale innovation, it's a cutting head seamlessly cooperating with machines of up to 12 kW in power. It's a first of its kind solution in the history of steel industry.

The eVa cutting head is an answer to the growing demand for efficient, durable and reliable solutions for the sheet metal industry. It was designed not only with the reliability of its elements in mind, but primarily because we wanted the EAGLE laser cutting machines to offer our customers a competitive advantage through higher laser power, fluency of production, high performance and lower costs of operation and servicing.

eva

EAGLE CUTTING HEAD

What distinguishes that type of cutting head from competition is the lack of moving parts in the path of the laser beam, simple design and construction. The device is equipped with only two fixed lenses. Despite this, the cutting head provides a possibility to change the focus diameter and the angle between the beam and the material.

Protective glass is far away from the cutting process. This makes it much less susceptible to contamination occurring during the cutting process. As a result, replacement of the protective glass will be required ten times less frequently, than in cutting heads of other manufacturers. Additionally, the device has a collimator protective glass, which is mounted over a collimating lens, which also prevents contamination.



Benefits:

- ✓ *is four times less sensitive to dirt,*
- ✓ *needs ten times less frequent replacements of glasses,*
- ✓ *has the ability to service at the production hall,*
- ✓ *has lower maintenance costs,*
- ✓ *provides fast piercings,*
- ✓ *is able to cut the material with a thickness of 1 to 60 millimeters a head,*
- ✓ *offers the possibility of automatic exchange of nozzles,*
- ✓ *has automatic centering,*
- ✓ *has automatic checking of the quality of the nozzle.*

MULTI-CHAMBER EXTRACTION SYSTEM

The multi-chamber extraction system ensures high power extraction in extraction chambers opened in suitable moment. Only this chamber is opened, in which area the laser cutting is executed. Outgoing air from the extraction system is of such good quality, that it can be diverted back to the work shop. This is possible due to use of the compact filter. Small metal particles are dragged and filtered in the compact filter, while bigger particles are gathered in a container. Periodically carried out shaking of the filters ensures optimal utilisation of their cleaning properties. The filter is equipped with a spark separator.

CONVEYOR-BELT TRANSPORTER

Conveyor is located under the pallet on which the material is processed. It's task is to transport small parts from the working area to the end of the machine where there is a container for such waste.

As often happens the small parts, after cutting of sheet metal, fall down on the floor. Thanks to conveyor belt parts are transported securely to the container. You can easily retrieve small items and prevent them from dirt or damage. It allows to program machine and cutting, with assumption that small parts fall under the working table without damage or contamination, during cutting the following elements. This enables the retrieval of small parts and maintenance under the machine and eliminates need to use micro-joints.

Benefits:

-
- ✓ *maximum use of the metal sheet;*
 - ✓ *reducing the cost of cutting;*
 - ✓ *better quality of cutting parts;*
 - ✓ *the ability to cut without micro-joints;*
 - ✓ *reducing machine downtime to a minimum;*
 - ✓ *bigger comfort of work,*






Cutting thick sheet

CatLine

Thanks to modifications introduced in laser source, optical fibre and laser head we obtain unprecedented cutting quality of surface of stainless and aluminium sheets and exceptionally quick burns on all sheets.

Additional advantage is 20% increase of thickness of processed materials with the same laser power. Time of burns of thick sheets has been reduced by 50%. This function allows obtaining high quality of edges on thick sheets of stainless steel and aluminium. CatLine functions reduces burrs during cutting of this type of materials by 80%. The result is increase of stability of cutting process during processing of black steel of each quality.

CatLine option allows using lower outlines. Small openings that were created until now as a result of drilling operations, can be now cut with laser. Corrected tie-ins allows total lack of flash even for small bores.



Larger manufacturing possibilities

AUTOMATION

Highly competitive and specialized market encourages companies to continuously seek innovative solutions for the industry, in order to optimize production. Today's industry is growing with a rapid pace and the required solutions must be competitive, in order to attract customers. Precise, fast and efficient machines influence rapid development of the industry.

Benefits

- ✓ *producing more parts in a shorter time;*
- ✓ *optimal management of the production process and it's control;*
- ✓ *minimizing the human factor;*
- ✓ *increased security and work organization;*
- ✓ *reliable operation.*



Automation of manufacturing processes is considered a major element in the development of the company. That is why engineers and designers design and build comprehensive solutions in order to automate the production process. At the moment, when the machines are working very efficiently and produce more elements than people are able to handle, special automation solutions work best. Due to the increasing demand of productivity, we prepared a special system of loading - unloading equipment for storage of materials and loading facilities, which allows you to increase efficiency of production even more.

CRANEMASTER

LOADING - UNLOADING UNIT



TECHNICAL DATA

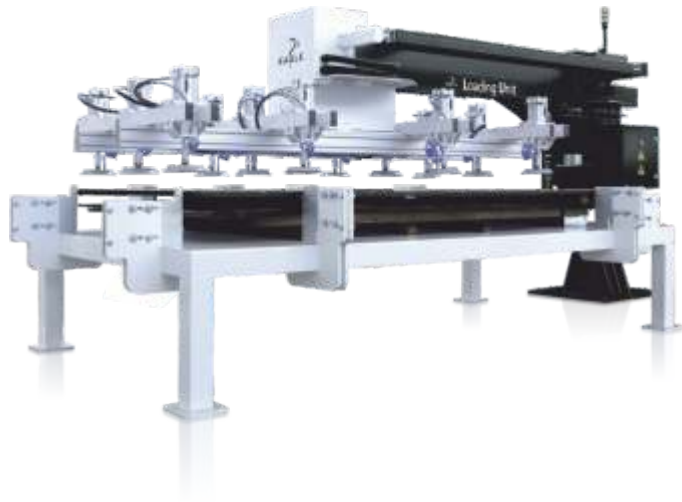
Cycle time	65s
Max. sheet size	1,25m x 2,5m; 1,5m x 3m; 2m x 4m; 2m x 6m
Max. sheet	25mm

Automatic system CraneMaster loads metal sheets, unloads cut items and is fully integrated with the laser cutting machine. The device has a sheet separating system and a function which measures sheet thickness, controls it and confirms whether it conforms to the selected programme. By means of a separately controlled vacuum system the loading frame picks up raw material sheets from the loading

table and transports it to the machine pallet area. The Unloading unit removes the cut items with comb-shaped forks and places them on the upper surface of the loading frame. Picking up new material and removing cut items happens simultaneously which is reflected in high efficiency levels.

LOADING UNIT

AUTOMATIC LOADING UNIT



TECHNICAL DATA

Cycle time	55s
Max. sheet size	1,25m x 2,5m; 1,5m x 3m; 2m x 4m
Max. sheet	25mm

Automatic system Loading Unit loads sheets on a pallet changer of the laser cutter. Loading system is fully automated and integrated with our machine. It is based on a rotary arm equipped with individually controlled high pressure suckers. The system is able to separate the sheets and measure their thickness, to make sure they are in accordance with a given program. The device, on an operator's signal, gets a sheet from the pallet and transports it on the pallet changer.

ELOADER

SEMI AUTOMATIC LOADING UNIT



TECHNICAL DATA

Max. sheet size	1,25m x 2,5m; 1,5m x 3m; 2m x 4m; 2m x 6m
Max. sheet	25mm

The semi automatic loading unit consists of manually operated crane, electric hoist and a vacuum transport pallet suspended on the hoist. This unit is screwed to the foundation next to the pallet of the machine. This is a cheap solution that considerably streamlines loading of sheets on the pallet of the laser cutting machine.

Optimal management of production

Benefits:

- ✓ *increase productivity;*
- ✓ *increase production capacity;*
- ✓ *saving space in the hall;*
- ✓ *improvement of operator's work,*



CRANE MASTER STORE

Loading and unloading system offers efficient connection between the machine and the storage system, which makes automation of loading and unloading more effective. It is a unified unit consists of the following devices:

- Eagle laser cutting machine;
- loading and unloading system Crane Master;
- Twin Tower store unit.

Selected material is transported directly from the Twin Tower storage. Crane Master receives sheets from the storage system and transports and puts them on the pallet changer of cutter. After cutting parts, the Crane Master receives the processed material from the table and puts it to the unloading container, which can later be transported to the tower warehouse or the place of receipt of details.



SOFTWARE

The state-of-the-art machine software allows for intuitive system operation. EAGLE machines are operator-friendly and easy to operate. They make production control and accounting as easy as possible to the owner. Apart from standard functions, many modern software solutions were implemented in order to allow the customer to easily achieve increased system efficiency, taking into account individual manufacturing conditions for the customer.

In laser cutting systems we use eSoft software that provides an integrated system that supports the complete cycle of CNC operations, including the following modules:

- drafting;
- processing;
- autoNest;
- postprocessing;
- DNC
- simulation;
- file import, export;
- multi-language support.



CONTROL

All EAGLE machines are equipped with a reliable Beckhoff control system and EtherCAT technology, which grants the fastest possible communication. This control system is called "real-time control"; checking of the process and machines work parameters occurs in a matter of microseconds.

Linear motors are positioning machine with a very high speed and software must meet these requirements. In order to meet: the changing parameters on cutting corners, mapping position in the small contours, cutting speed of 100m / min, we must be able to change process parameters in microseconds.





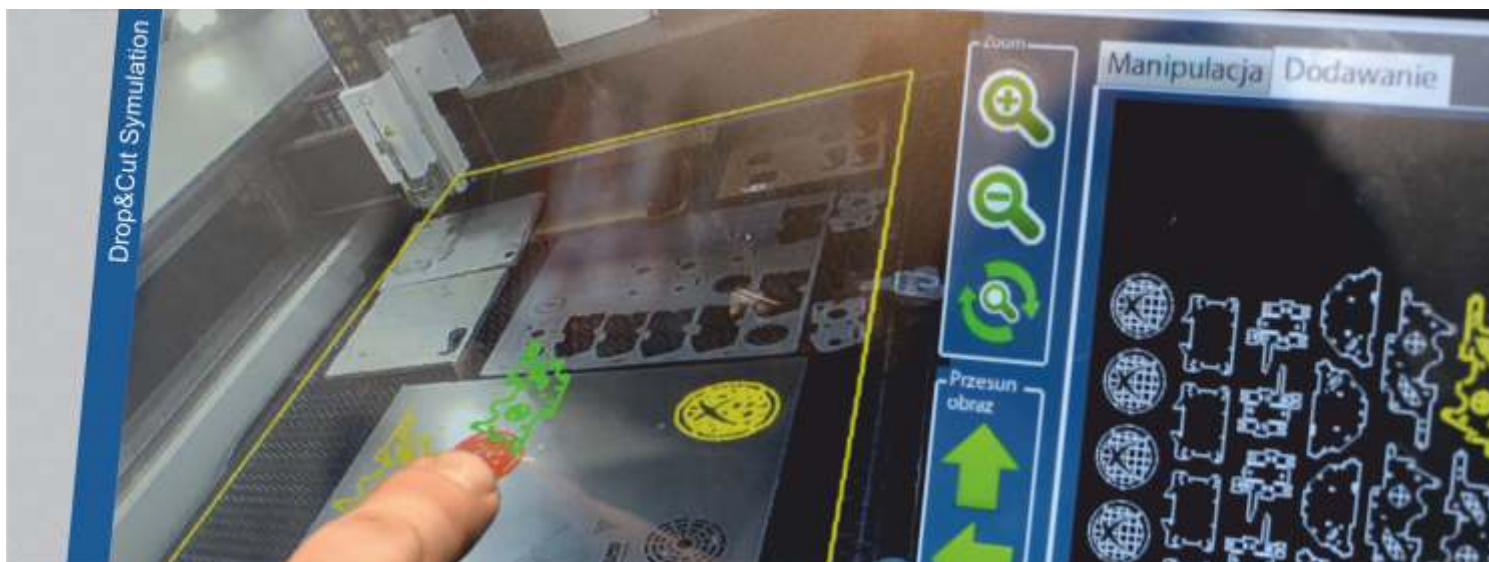
Easy cutting

The Drop & Cut function makes it possible to simple and efficient use of material remnants, even irregularly shaped and with the openings. The cutting process of details no longer requires a separate programming or measuring sheet. The operator no longer needs to check (measure), whether elements fit on the sheet located into the machine.

Thanks to placing inside the machine a video camera, the Drop & Cut system is able to monitor the area of metalworking and allows to use the remains of a metal in order to make other items. From an open file an operator can choose details that intends to further cut. Easily and with full certainty it can verify, whether the selected details fit on residual material set in the machine. Just a single movement of the finger can move a virtual material of the elements to be cut. The operator can rotate them and decide which item in which place should be cut. This software will not allow to cut out the part that does not fit on the material. Cutting of new components does not requires new programming.

Benefits

- ✓ *simple use of oddments;*
- ✓ *material saving;*
- ✓ *time saving;*
- ✓ *the ability to preview the cutting process;*
- ✓ *errors minimization.*





Rise the bar to Your productuion

USE 100% POSSIBILITIES OF EAGLE LASER WITH eRS REPORT

Eagle Reporting System is a proprietary reporting system which offers:

Lowering the costs

Reporting the wear of spare parts, such as nozzles and slides (when the replacement took place and who performed it)
Elimination of private orders within your company.
Full control over work - when and what programs were cut by the machine.

Performance improvement

Reporting on the machine performance divided by orders, operators, changes, dates.
Sending e-mails to a specified person to notify about unjustified downtime or slower work of the machine.

Better organization of work

Full control over the machine performance in real time.
3 types of dedicated reports for the owner, technologist and operator.





TECHNICAL SUPPORT

We offer advice in the selection of series and type of machine suitable for the character and requirements of your production processes. We provide fast installation and full commissioning of the machine.

Personnel training is designed in such a way that the user realises the full potential and capabilities of the machine.

Thanks to their construction, EAGLE systems require minimum maintenance. 99% of maintenance procedures on EAGLE machines may be performed by operators without the need to call a service technician.

EAGLE offers the possibility to have the machine diagnosed on-line by the manufacturer's service department as well as remote assistance in eliminating faults.

Our spare parts warehouse is always well stocked. We guarantee quick shipping and competitive prices.





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