



FIBER **LASER CUTTING TECHNOLOGY**



## The Three Pillars of Eagle Care: A Commitment to Excellence

Eagle Care is a client-centric approach that embodies the foundational principles shaping the company's journey and guiding its evolution. The three pillars of Eagle Care are more than just statements—they define what we stand for and emphasize our commitment to supporting our customers' long-term success.

### 1. Reliability: Performance Built to Last

At Eagle, we continually push the limits of performance without ever compromising reliability. Our systems are meticulously crafted in the EU using only the highest-quality components, including our patented eVa cutting head and Eagle-manufactured linear motors—both designed to deliver superior precision and durability. By distilling each element to its core function, we reduce maintenance requirements and ensure consistent results with minimal downtime. Our ultimate goal is to provide our clients with peace of mind, knowing they've invested in a system built to last. Reliability at Eagle isn't just a promise—it's built into everything we do.

### 2. Trustworthiness: Designed for Uninterrupted Production

Our commitment to longevity goes beyond hardware. It involves minimizing downtime and maintenance costs by addressing potential issues before they arise. We've developed advanced tools like MyESP, a service portal that simplifies service requests and error prediction; Eagle Eye, which allows for real-time monitoring of machine activity; and MyERS, a cloud-based reporting system that enhances production by optimizing processes. All of this is backed by a global support network, responsive service teams, and worldwide access to spare parts. Our clients know that by choosing Eagle, they are choosing a partner who will stand by them, providing seamless performance and unmatched service to keep their operations running smoothly, so they can focus on what matters most—growing their business.

### 3. Fairness: Transparency as a Principle

Fairness is at the heart of our business model. We believe in empowering our clients to make informed decisions about their machine's maintenance and part replacements. Through our partnership with MachinePortal, we offer a fully transparent marketplace for spare parts, where clients can compare options based on cost and delivery time. This removes traditional manufacturer dependency and puts decision-making power in the hands of our clients. At Eagle, we believe this transparent approach plays a crucial role in the decision-making process when purchasing a machine. By prioritizing fairness, we ensure that our clients feel confident in their choices and their partnership with us.

## About Eagle Lasers

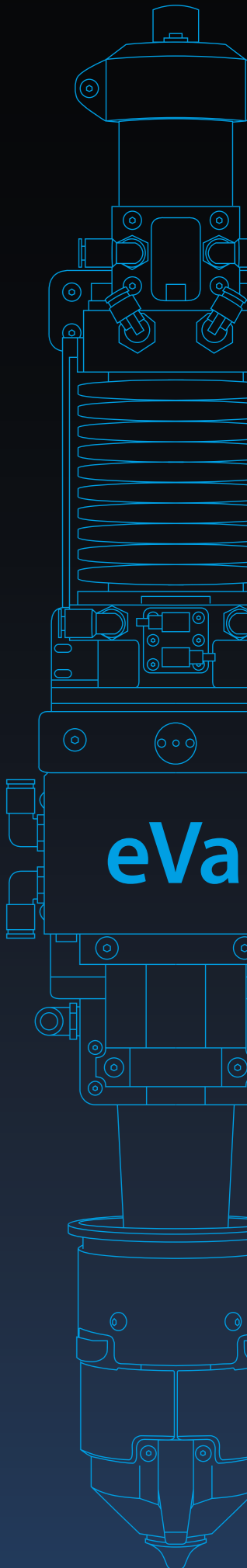
Eagle Lasers stands as a global leader in the development and manufacturing of fiber laser cutting systems and automation solutions. Founded in 2006, Eagle has consistently pushed the boundaries of innovation with one goal in mind: to create the Ideal Machine—one that delivers maximum efficiency with minimal energy consumption and maintenance.

At the heart of Eagle's success is a commitment to efficiency and long-term value. Our machines are crafted with the highest-quality components, all produced entirely within the EU, using cutting-edge technology and precision engineering. This ensures superior durability, minimal maintenance, and unparalleled performance and reliability, setting a new industry standard.

More than just a manufacturer, we are a partner in industrial transformation. By embracing the latest advancements in software, cloud technology, and data analytics, we provide our clients with the tools to transform their operations and achieve greater efficiency. Our systems not only optimize the cutting process but also enhance safety, precision, and repeatability, delivering real-time insights that drive smarter decision-making, streamlined production, reduced waste, and higher profits.

Eagle's commitment to customer success goes beyond the machine. We offer comprehensive support through fast-acting service teams, technical assistance, and innovative tools that help clients maintain smooth operations. From our state-of-the-art systems to our global service network, we are dedicated to delivering the highest quality and reliability, empowering businesses worldwide to thrive in today's fast-evolving industrial landscape.

**EAGLE CARE**  
Designed with YOU in mind



# Built for the Highest Performance

Every component in our machines is meticulously crafted through extensive research and development to refine its core function, ensuring the highest performance available on the market.

## eVa cutting head

Our patented cutting head is 5x less prone to contamination. It requires minimal maintenance and is built for peak precision at the highest power and speed.

## Absolute linear encoders

Our premium Renishaw linear encoders are ready to start in under 15 seconds. They have no play, are wear-free and contactless providing 100% control over dynamic motion and an accuracy of 1 nm even at maximum speed.

## Linear motors on all axes

Linear motors move contactlessly and have no backlash, providing the highest precision. Their frictionless motion guarantees 24/7 reliability over the machine's entire service life.



## Laser power source

Our IPG Photonics sources ensure a flexible workflow from thick to thin sheets. Their low energy consumption and heightened efficiency result in reduced operating expenses.

## Composite body structure

Made of polymer concrete, it offers 100x greater vibration damping and 10x lower temperature coefficient than steel, resulting in the highest stability.

## Carbon fiber traverse

Our traverse is stiff, ultra-lightweight and temperature resistant, designed to achieve the highest stability at peak acceleration.

## 9-second pallet changer

The industry's fastest, hydraulics-free, and integrated into the machine body. Its intelligent design ensures sheet stability and faster cycle times.

# Our Machine Series

We understand that every business has different needs, with varying production volumes, material types and thicknesses. With this in mind, we have designed series of machines to suit every manufacturing requirement:

## FlowIN REVOLUTIONARY



### for sorting at the speed of cutting

Designed for continuous material flow, it sorts while cutting, regardless of part shape and thickness.

Power:	up to 40kW
Acceleration:	up to 6G
Max. cutting speed:	150m/min
Accuracy:	0,05mm



Download specifications

## iNspire EFFICIENT



### for the highest performance on the market

Designed for demanding mass production applications where speed, power and peak efficiency are a must.

Power:	up to 40kW
Acceleration:	up to 6G
Max. cutting speed:	150m/min
Accuracy:	0,05mm



Download specifications

## eVision UNIVERSAL



### for all-round versatile efficiency

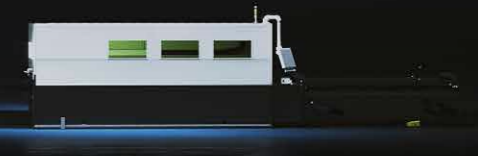
Designed to provide optimum results 24/7 whether you run small or large batches, thin or thick sheets.

Power:	up to 40kW
Acceleration:	up to 3G
Max. cutting speed:	150m/min
Accuracy:	0,1mm



Download specifications

## eSmart COST-EFFECTIVE



### for budget-friendly reliability

Cost-effective machines designed for trouble-free, reliable production and great results in little floor space.

Power:	up to 10kW
Acceleration:	up to 2G
Max. cutting speed:	100m/min
Accuracy:	0,1mm



Download specifications

# Cutting Technology

Our technology is the product of careful research, tests, and trials to improve all aspects of the cutting process. We offer solutions that range from ultrafast cutting and piercing to a more efficient use of gas, covering all of our clients' needs.

## MYEFLY

Keeps constant speed by piercing "on the fly" on thin to medium sheets. The head moves without slowing down to pierce by switching the laser beam on while over the cutting lines and off while passing over contours. It significantly reduces cycle times for repetitive patterns.

## MYECAT

MyECAT makes a 20% thickness increase possible with the same laser power, and reduces burr by up to 80% on aluminum and stainless steel. Thanks to this cutting technology, you can achieve exceptionally quick cutting and increase thick sheet throughput by up to 50%.

## MYECOCUT

Thanks to the uniquely designed Eco Nozzle, MyECOCUT reduces gas consumption by up to 75%. This technology improves edge quality and reduces burr to a minimum, keeping maximum speeds even when dealing with irregular materials.



Scan the QR codes to watch these parts being cut!



## MYEFAST

Reduces piercing time by moving at an appropriate rate to pierce and then resumes full speed as soon as possible. This option improves cutting and piercing efficiency by up to 30% on thin to medium sheets, reducing overall cycle times.

## MYEMIX

By harnessing the power of a specially formulated oxygen and nitrogen mixture, it significantly enhances performance and improves quality while minimizing burrs on medium to high thickness materials.

# Higher Profits

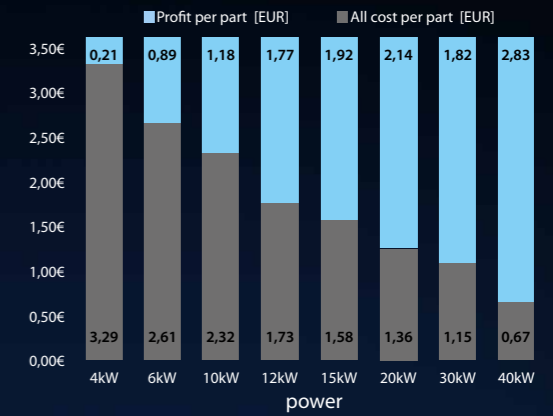
We understand how important it is for you to visualize your investment in real-life figures. To this end, we have prepared a practical example to illustrate the role laser power plays in increasing your margins and allowing for a faster ROI.

## TOWER OF POWER

Production cutting speed



Profit per part



**MATERIAL**  
**SHEET THICKNESS**  
**SIZE**  
**CUTTING LENGTH**  
**GAS TYPE**

**MILD STEEL**  
**15mm**  
**210mm x 287mm**  
**1975mm**  
**O<sub>2</sub> and MIX**



Get the full case-study

number of parts per hour



# Eagle Automation

With modularity and flexibility at their core, our automation systems perfectly match our machines' capabilities while adapting to your needs and making the best use of floor space.



Download full specifications

## CraneMaster Product Family

A series of automated loading/unloading systems offering different setups and configurations designed for super-efficient material handling in mid-to-high production companies.

## eTower System

A modular storage system with a varying number of towers according to your needs, the eTower is designed to optimize storage logistics while making the most out of your production floor.

## 6 advantages of Eagle Automation

- 1 MODULARITY**  
Flexible setups that can be duplicated and extended according to each client's needs, making the best use of floor space.
- 2 EFFICIENCY**  
Streamlined material allowing users to fully exploit the machine's speed and achieve higher energy efficiency.
- 3 AUTONOMY**  
Continuous operation without supervision, even during night shifts and weekends for uninterrupted production.
- 4 SAFETY**  
Additional conveyor belt for safer part retrieval, anti-scratch brushes, non-invasive sheet thickness measurement, and individual suction cup adjustments.
- 5 INTEGRATION**  
Seamless integration with our laser cutting machines' capabilities for flawless functioning from day one.
- 6 PRODUCTIVITY**  
Swift material loading, unloading, and storage, combined with seamless machine integration and sorting solutions result in higher productivity.



## Unloading Conveyor Belt

The additional conveyor belt significantly improves the sorting process by allowing the operator to sort parts safely and comfortably without being obstructed or slowing down the production cycle.



## iNspire 2.0 40kW + CraneMasterStoreExtendedCross + eTower115

This is one of the most efficient machine-automation configurations. The cross shape enables working along the X and Y axes simultaneously, and it allows for high production capacity in a reduced floor space.

Watch our automation in motion



# Power Your Future

Innovation is at the core of Eagle's DNA. We design each component following the Ideal Machine Concept, distilling every function to its essence. Through our groundbreaking approach, we ensure the highest levels of productivity, efficiency, and intuitiveness with minimal maintenance requirements.

## ENHANCED EFFICIENCY

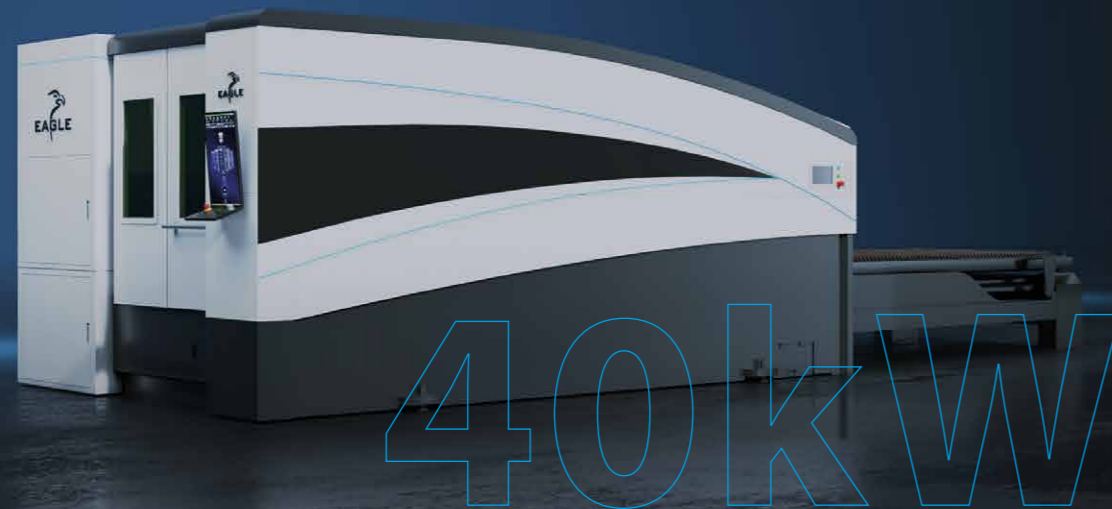
Today we deliver the fastest and most reliable fiber laser cutting system on the market. With controlled 40kW power, decreased production time, less energy consumption, and lower cost per part, we provide a new level of productivity and efficiency.

## LOWEST COST PER PART ON THE MARKET

Your profit is of crucial value. Let the numbers speak for themselves and see how your cost per part decreases to a minimum by increasing efficiency and productivity.

## HIGHEST RETURN ON INVESTMENT

We are changing the industry by providing continuous innovations. Through a reliable and efficient system built to last we have set a new standard in productivity and cost-effectiveness.



## REDUCED PIERCING TIME

Our engineers work every day to improve our technologies. In the 40kW machine, piercing time has been reduced to a minimum in order to ensure the highest effectiveness and uninterrupted operation.

## EXCELLENT CUTTING QUALITY

Our goal is to empower our customers and provide them with high-class standards. We produce 80% of our components which we constantly improve and perfect. Our machines are 100% EU-manufactured, ensuring the highest performance and cutting quality.

## BEST CUTTING HEAD IN THE INDUSTRY

Our patented eVa cutting head, built for high powers, can cut different materials and thicknesses with the same accuracy. Its unique construction lowers operating costs and allows the machine to run smoothly with minimal maintenance requirements.

# Our Client Speaks

"I'd definitely recommend this machine to another customer that's in our line of work. The reliability and speed is pretty hard to match. So, on a competition basis, you'll definitely be ahead of the game."

**RICHARD MORGAN**  
OWNER AT MORGAN METAL CORP. - AUSTRALIA

"We purchased an Eagle because we needed high volume capacity. I would definitely recommend Eagle to other companies if they're looking to have a high-speed laser system that's reliable. Not only do I believe Eagle is the best system, I also believe that Eagle Lasers has the best service in the industry by far."

**KENDALL SCHROCK**  
OWNER AT SCHROCK FABRICATION - USA

"We needed a high-speed device with very tough tolerance and accuracy. We realized that the Eagle iNspire was the fastest machine on the market."

**JOHAN KALANDER**  
AME MANAGER AT IEC LV MOTORS, ABB - FINLAND

"One of the things I specifically requested when acquiring the machine was reliable support. This was crucial because when we work 2 to 3 shifts we can't afford to have the machine sitting idly. I was pleasantly surprised when the few times we needed support from Eagle, they were extremely fast."

**MAURIZIO GIUSTINA**  
OWNER AT GMB S.R.L - ITALY

"The quality and speed exceeded our expectations. The machine is also very user-friendly, and the employees quickly grasped how to operate it. The support provided by Eagle's service team was also commendable, not to mention the organization of the whole process, which was outstanding from the very beginning."

**ROBERT GOŁĘBIEWSKI**  
CEO AT VOSSE - POLAND

"Thanks to the Eagle machine we were able to grow even more, so this investment has brought a lot to us. It appealed to us that Eagle is a young and dynamic company with innovative technology. The process from buying until the delivery of the machine was very pleasant, especially the family feeling you have with the company, when you walk through it there's such a good flow between the people."

**JORIS VERGEEST**  
OWNER AT VERGEEST METAALTECHNIEK - HOLLAND



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