



The Bend
The Combi
 The Laser
The Press
The Punch
The Shear
The System
The Software

The Laser | 2D line
Next level laser cutting machines

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Next level. Next to you.

Today's volatile market demands that companies be competitive, accurate and reactive. Prima Power products continue to evolve, bringing efficiency to a whole new level.

More productive machines, new automation solutions, and easy-to-use option suites are designed to meet the customer's real needs. To provide the best Prima Power technology, our team of experts will always be available to listen, assist and advise.

What can be found in this brochure

Innovative laser cutting machines suited for specialized and multi-purpose productions.

Suites of options designed to achieve the best performances depending on the customer's needs.

Wide range of automation solutions to manage the whole production cycle.

Choosing an innovation leader



Prima Power is a leading specialist in machines and systems for sheet metal working. **Our offering in this field is one of the widest and covers all applications:** laser processing, punching, shearing, bending and automation. The Group employs over 1,600 people and has manufacturing sites in Italy, Finland, China and the US, as well as a worldwide commercial and after-sales presence.



EXPERIENCE

Over 40 years of experience and more than 12,000 installed machines.



MODULARITY

Our machines can also be combined with our automation modules to create a complete system for the whole working process.



INNOVATION

An expert R&D team committed to research the most competitive technology for our customers.



GREEN MEANS

Sustainability and social responsibility are characteristics of modern companies and add to competitiveness.

Next to you. Beyond slogans

Committing our efforts to meet our customers' needs.

Designing, developing and customizing products with our customers' success in mind.

Creating long-term and valuable collaboration supporting customers across product life cycle.

Using modern online communication technology to be with our customers, every time they need us.

Deleting distances, investing in the opening of new subsidiaries or sales and service centres to be where our customers are.

Prima Power product range

Thanks to the modularity of our products, we are able to offer manufacturing solutions ranging from single stand-alone machines up to the complete system for the management of work phases, flow of information and material handling. The integration with other technologies of sheet metal processing included in our product range, allows us to offer our customers the most complete production solutions possible.

THE BEND | Wide range of solutions for bending, including panel benders and bending centers.

THE COMBI | Punching - laser cutting cells with servo-electric punching technology.

THE LASER | Laser machines and systems for 2D and 3D cutting, welding and drilling.

THE PRESS | Fast, accurate and efficient servo-electric and servo-hydraulic press brakes.

THE PUNCH | State-of-the art, versatile solutions for servo-electric punching.

THE SHEAR | Integrated systems for punching & shearing: highly productive with optimal sheet utilization.

THE SYSTEM | Full and modular range of solutions for the management of the whole working process.

THE SOFTWARE | Prima Power software solutions to maximize throughput.



The Prima Power range has a long tradition of continuous development, greater flexibility and operating economy through versatility, high automation level and low energy and maintenance cost. Also for a long time, the ecological aspects have been included among design criteria.

Green Means® translates into technology and expertise which meet the requirements of both productivity and more sustainable manufacturing.

What does Green mean?

Green means a win-win for you and sustainable development.

Sustainability adds to manufacturing efficiency and productivity.

Your customers, your employees and the community you operate in demand it more and more.

Sustainability & social responsibility are characteristics of a modern company and add to competitiveness.

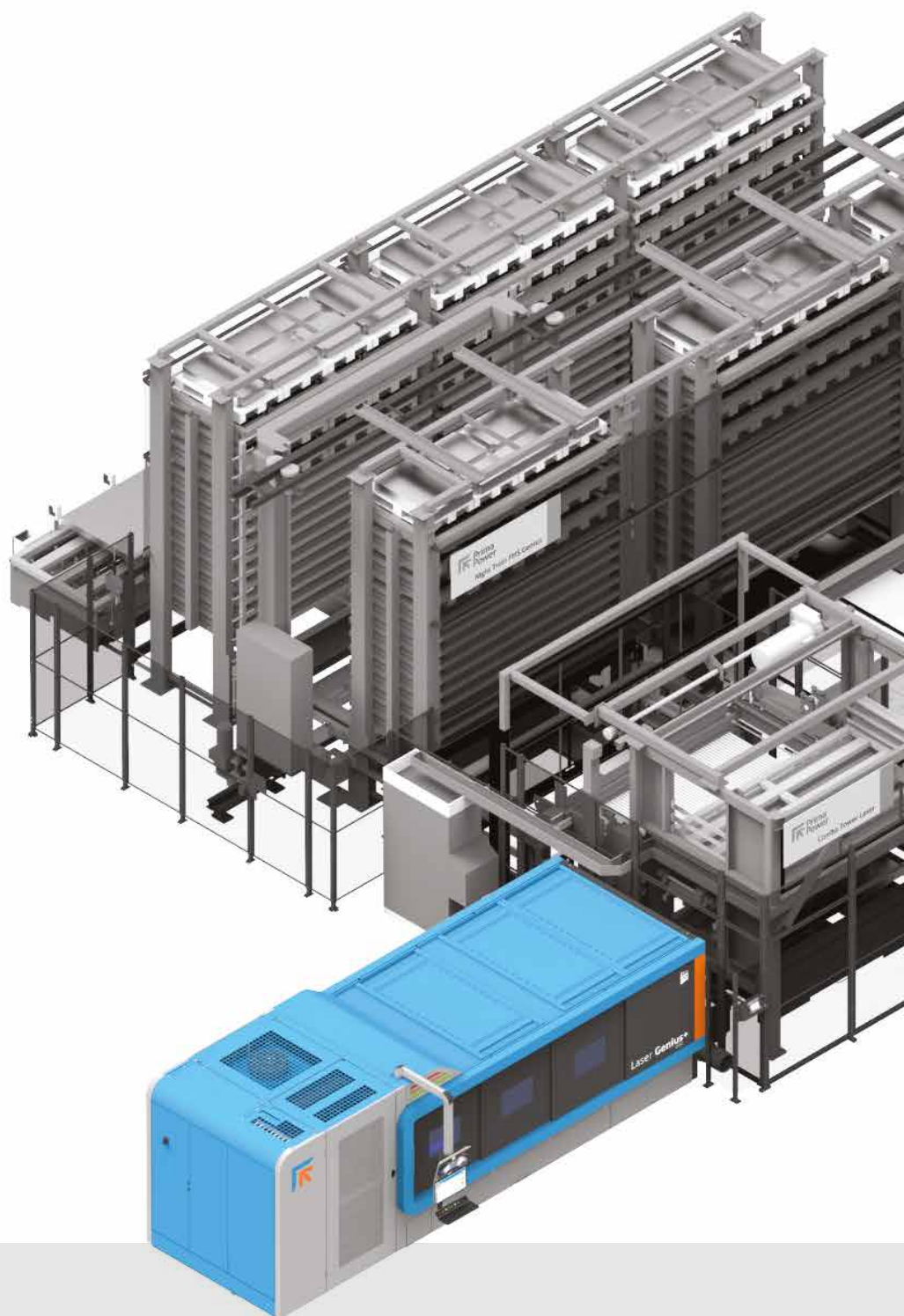
They make a difference between the best and the rest. And you make better sheet metal components at lower cost.

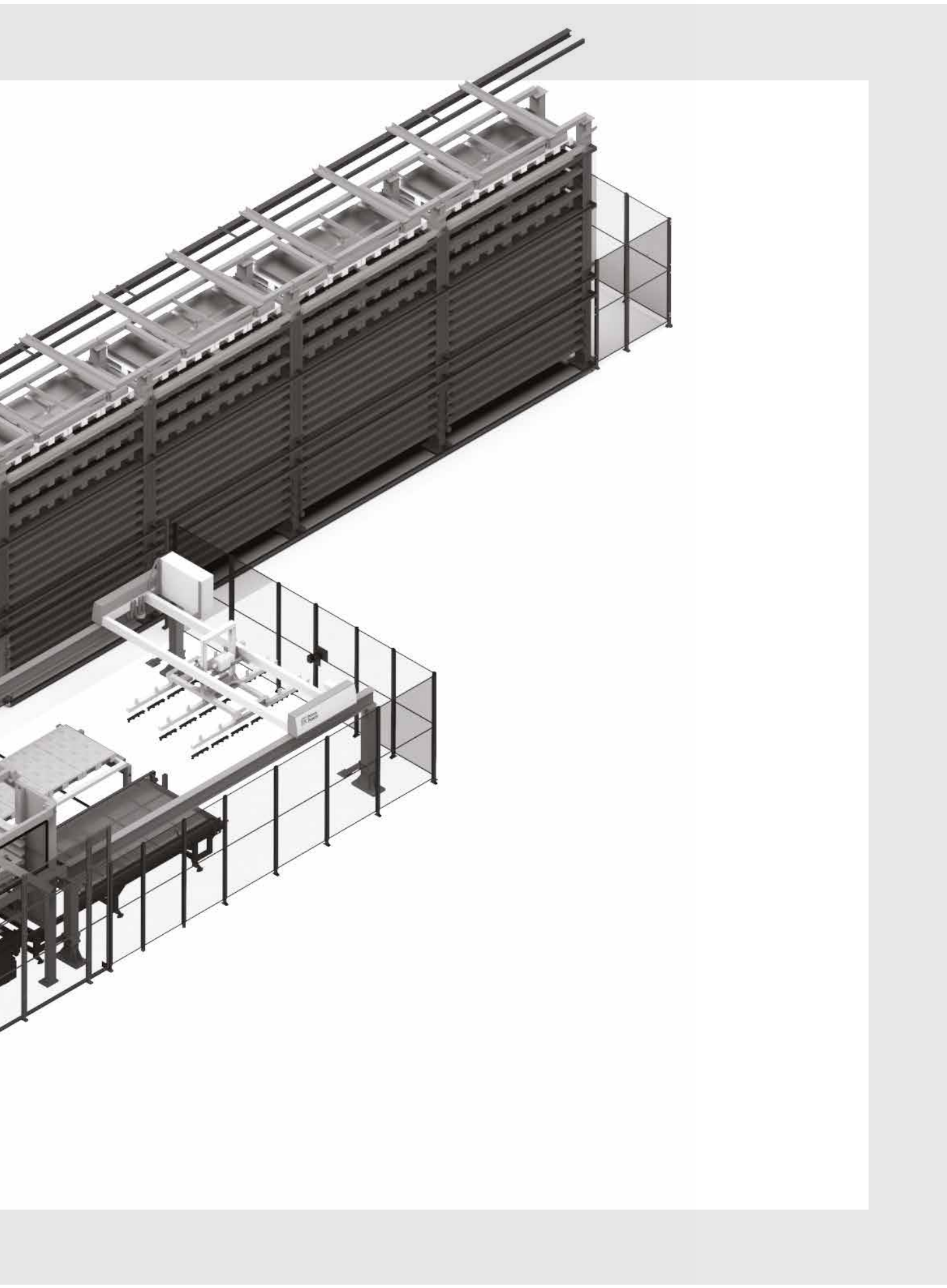


Think system

FROM STAND-ALONE MACHINE TO THE SYSTEM FOR THE WHOLE WORKING PROCESS.

Thanks to the experience with different sheet metal processing technologies, Prima Power is the right choice. Even for the most complex productions, we can offer the most complete solutions possible: integrating top-quality machines leads to top-quality production systems.





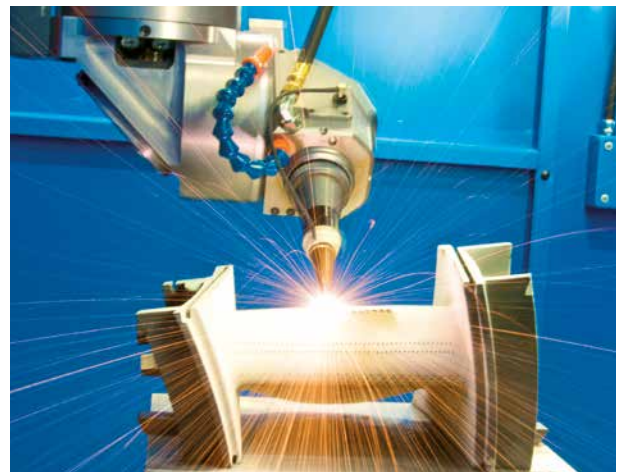
Laser cutting. The most flexible tool ever

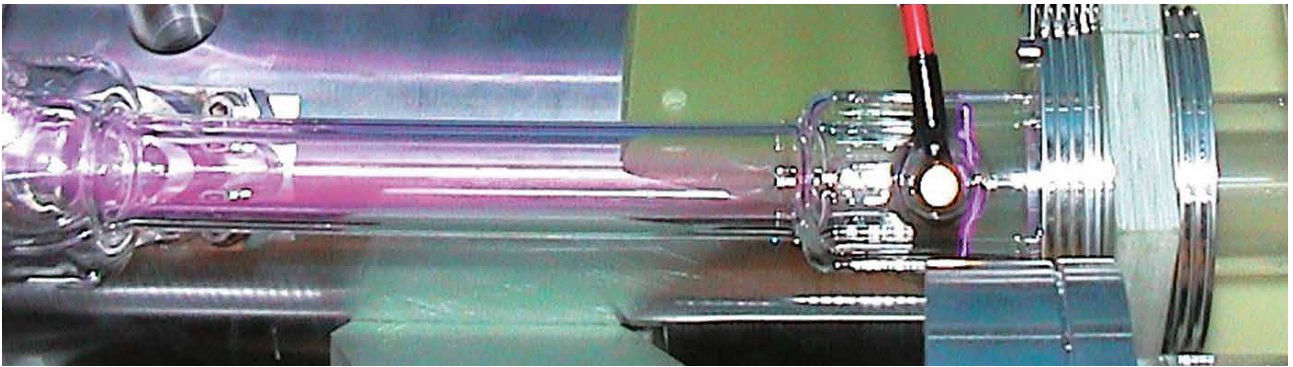


Laser cutting is an amazingly flexible technology. A wide variety of materials and thicknesses can be processed, with no limit to the shape you can obtain. Its programming is so fast that any change can be applied in any phase of your production with virtually no extra costs and time. Its precision is the highest, the quality of the cut edge is excellent and there is no part distortion.

The best application for laser technology is the processing of metallic materials (steel, stainless steel, aluminium, copper and brass) with thicknesses from 0.8 mm to 25 mm. Our laser product portfolio is extensive and includes 2D and 3D machines for a broad range of applications in cutting, welding and drilling.

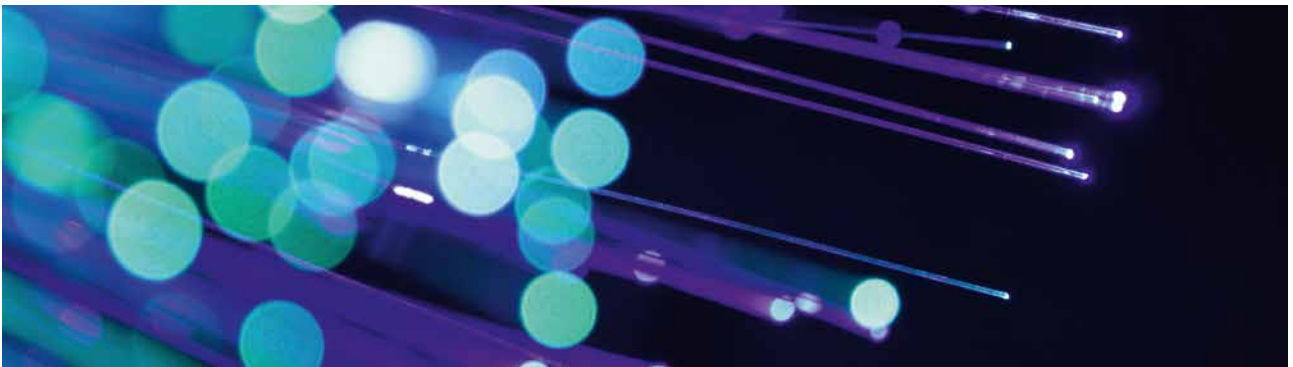
Prima Power laser sources are based on both CO₂ and fiber technology and are developed and produced in-house or are the result of a strict collaboration with the most important manufacturers in the field: in this way we can give our customers the most suitable solution for each application.





CO₂ LASER

CO₂ laser cutting is the most established technology in the field: the knowledge is widespread, the initial investment lower and it is suitable for any kind of production needs. Prima Power produces a Fast Axial Flow CO₂ laser that use a gas mixture to produce beam characteristics that allow a wide range of industrial material processing applications. The laser beam generated by the source is lead to the cutting head through high-reflective mirrors. The main benefit of this technology is that **it can be applied with high quality results to the whole spectrum of processable thicknesses (0.8 to 25 mm)**. This generator adheres to the highest standards for quality of surface roughness and perpendicularity tolerance.



FIBER LASER

In fiber lasers the active gain medium is an optical fiber doped with rare-earth elements such as erbium, ytterbium, thulium, etc. The laser light is transferred via a passive fiber cable to the cutting head: this means no laser gases (like He, CO₂, N₂) and low maintenance requirements. **It's particularly productive for medium-low thickness material and it processes also non-ferrous materials with high quality results.** Another major advantage of this technology is its overall efficiency, in terms of energy savings (less energy consumption compared with CO₂ lasers) and cutting speed.



ALL IN ONE. THE ONLY ONE

Prima Power, after the launch of its high-power laser source with fiber technology, became the first laser machine manufacturer which has internally developed its own fiber laser source, now available on its products.

With the introduction of the fiber laser we achieved an excellent result for the Group, thanks to which we will be able to offer our customers from time to time the most convenient solution, having the chance to present our Group to the end user as the sole supplier.

The Laser | 2D line



Laser Genius+

Beyond Better. It's Plus. Highly productive and flexible fiber laser machine with reversible layout that can fit all customer's layouts without configuration compromise.



Fiber 2-10 kW



1.5x3 m
2x4 m
2x6 m



Gantry

FLEX **PROD**



Laser Genius

The talent to simplify your work and improve your profit. Best quality, high accuracy and productivity without compromises on the whole thickness range thanks to the best integration of all machine components.



Fiber 3-10 kW

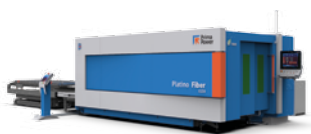


1.5x3 m
2x4 m



Linear drive

FLEX **PROD**



Platino Fiber

Tailored on your application. Profitable for a production mix including all materials and thicknesses.



Fiber 2-6 kW

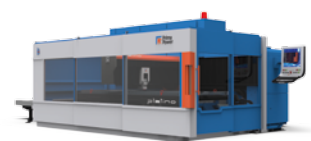


1.5x3 m



Tube cutting

FLEX **PROD**



Platino

The laser for everyone. Flexibility and high quality in all thicknesses.



CO₂ CO₂ 2.5-4.5 kW



1.5x3 m
2x4 m



Tube cutting

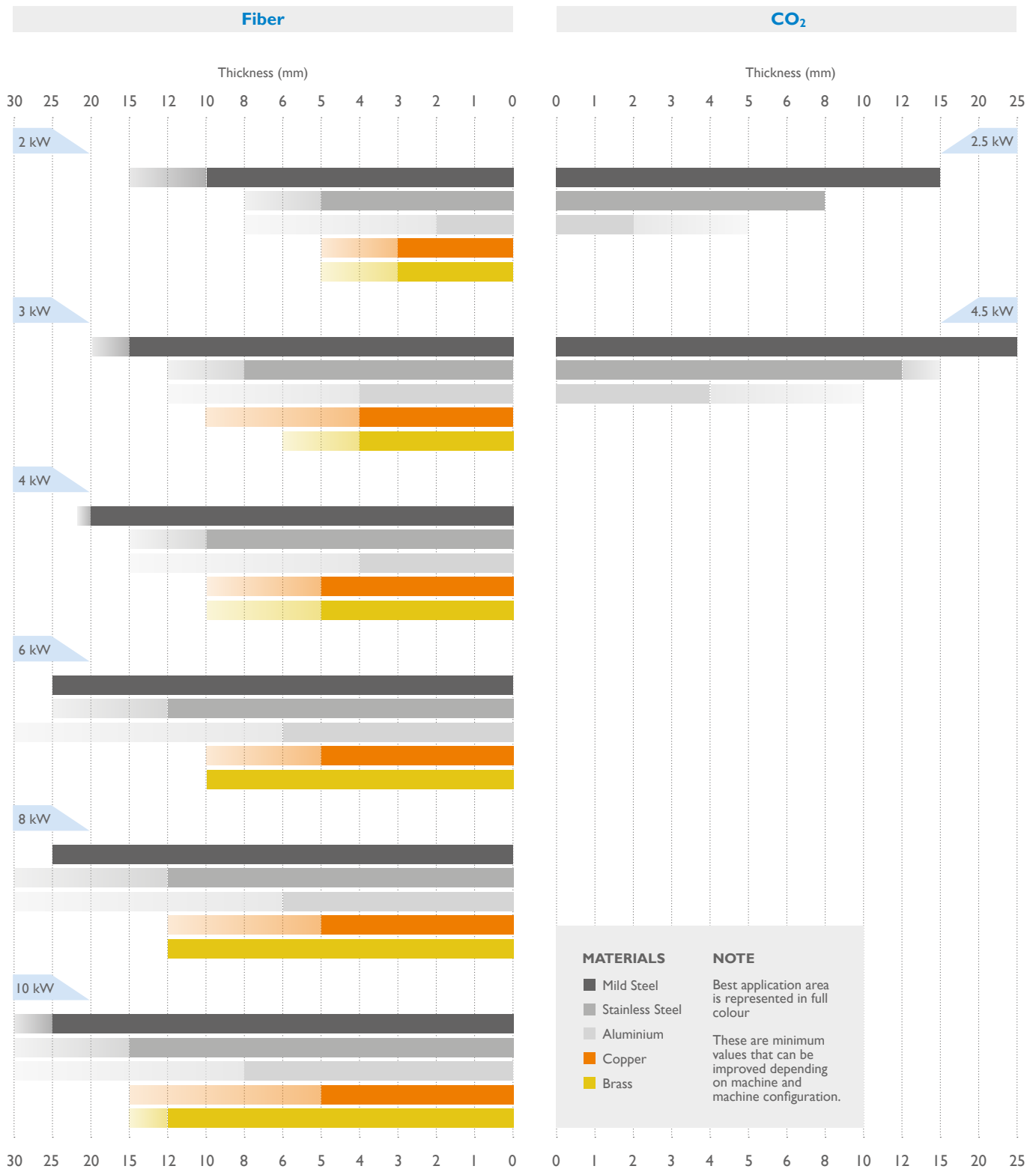
FLEX **PROD**

MULTI-PURPOSE OR SPECIALIZED MACHINES

Prima Power 2D laser product range covers every production need, ranging from ultra-fast cutting machines for utmost productivity to highly flexible solutions that can be profitably used for any production.

Thicknesses and materials.

The best solutions for your needs



Fast and efficient also for non-ferrous materials: particularly productive for medium-low thickness.



High-quality results to the whole spectrum of processable thicknesses (0.8 to 25 mm).

Laser Genius⁺



TOP-OF-THE-RANGE 2D FIBER LASER MACHINE WITH REVERSIBLE LAYOUT AND TOP-CLASS COMPONENTS THAT GRANTS THE TOTAL CONTROL OF THE LASER PROCESS

Laser Genius⁺ is the latest addition in the Prima Power 2D laser family. It is an highly productive and flexible fiber laser machine with reversible layout that can fit all customer's layouts without configuration compromise making Laser Genius⁺ suitable for all customer environments and all kind of productions.

Its key features are the gantry structure, a wide array of automation solutions and cutting quality further enhanced thanks to adaptive optics for the automatic management of the focal position and diameter size.



PRODUCTIVE

With high dynamic drives, the Laser Genius⁺ reaches a speed of 180 m/min, making it one of the faster and more productive machines on the market.



ACCESSIBLE

The cabin is equipped with a three-panels telescopic door either on the left or right side of the machine or both granting the maximum level of accessibility and ergonomics for the operator.



REVERSIBLE

The symmetrical and reversible layout of the Laser Genius⁺ increases the ease and flexibility of installing the machine with better placement in any production context.



PLUG-AND-PLAY

Laser Genius⁺ is a plug-and-play machine. The laser generator, chillers, motors, and optics are integrated inside the cabin and ensure ease and speed of installation.



ACCURATE

New fiber laser head, new electronics and innovative mounting for the optics and centering system, guarantee the Laser Genius⁺ a maximum level of precision and cutting quality.



MULTI SIZE

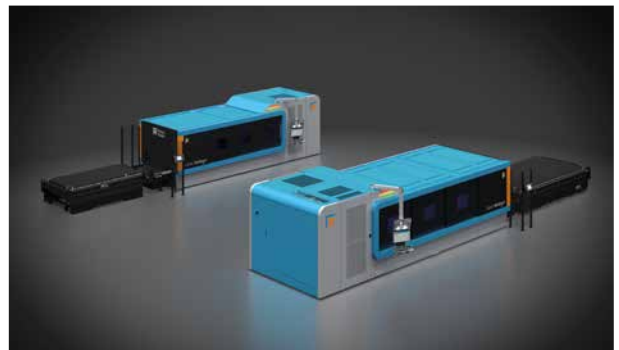
Available in 1530, 2040 and 2060 size in order to meet the production needs of the widest audience of customers, while maintaining high performance in terms of dynamics, cutting quality and reliability regardless of the size of the machine.



Best-in-class dynamics to grant low cycle times with excellent cutting quality. Laser Genius+ can process with high quality levels a wide range of materials up to 30mm and can be equipped with laser generator with powers ranging from 2 to 10 kW.



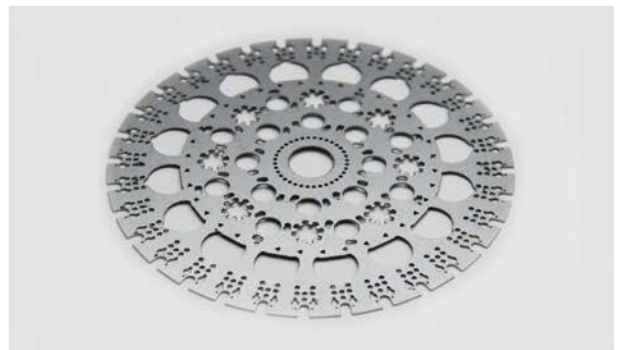
Standard double 24" LCD touch screen and integrated 4K camera for the real-time monitoring of the working area.



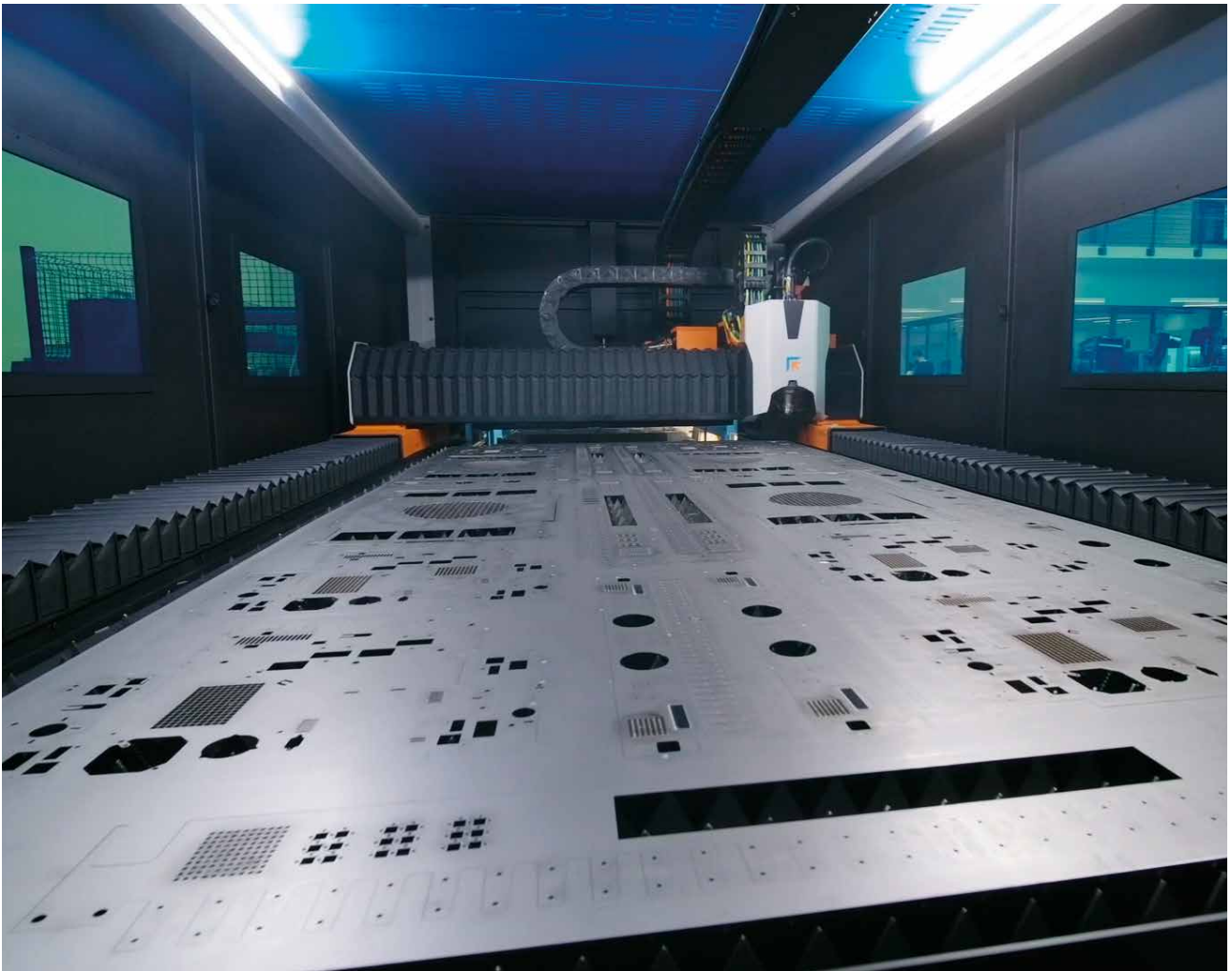
Laser Genius+ is available both in 1530 and 2040 size. All of Genius+ Laser automation solutions are available for both product sizes.



The Laser Genius+ can be integrated with a wide range of automation solutions that perform functions such as material loading/unloading, storage and part sorting automatically.



Laser Genius+ grant high-quality results to the whole spectrum of processable thicknesses, from 0.8 to 30 mm.



MACHINE FEATURES

Laser Genius⁺ base is made of **welded steel**, while the carriages are made in **aluminum alloy**.

The **X carriage** is made of an **aluminum extrusion** and the **Y carriage** and the other components in **aluminum casting**. All motors are conventional brushless, on X there is a dual drive solution with gearbox. Machine uses rack and pinion system on X and Y and ball-screw on Z.

The **fiber laser head**, designed for high power laser generators up to 10KW, with new and improved electronic board, lens holder and centering system grants to Laser Genius⁺ the **highest level of accuracy and cutting quality**, especially on low thicknesses materials.

High energy efficiency fiber laser, low maintenance required and no laser gases reduce the operating cost.

Numerical Control, Operator interface and programming software, developed and manufactured by Prima Power, are **user-friendly and smart tools**. Optional on-board software available for the digitalization on the scrap sheet, adjust/simulate/save partprogram and simplified CAM.

The cabin is equipped with a three-panels telescopic door either on the left or right side of the machine, or on both sides as an option, in order to grant the utmost level of accessibility and ergonomics for the operator.

Technical specifications

Laser Genius⁺

	LG ⁺ 1530	LG ⁺ 2040	LG ⁺ 2060 (available from Q1 2022)
AXIS STROKES (*)	X = 3,150 mm Y = 1,600 mm Z = 150 mm	X = 4,320 mm Y = 2,200 mm Z = 150 mm	X = 6,320 mm Y = 2,200 mm Z = 150 mm
WORKING AREA (Max sheet dimensions)	X = 3,100 mm Y = 1,550 mm	X = 4,200 mm Y = 2,100 mm	X = 6,200 mm Y = 2,100 mm
MAXIMUM SPEED			
Single axis			X,Y = 130 m/min
Trajectory			X,Y = 180 m/min
ACCURACY (**)			
X,Y,Z			Positioning accuracy (Pa): 0.03 mm Repeatability (Ps): 0.03 mm
- according to VDI/DGQ 3441 standards - length of measuring: complete stroke			
MAXIMUM OVERALL DIMENSIONS			
(automatic pallet and protection cabin included, water chiller, fumes extractor and photocells excluded)			
Length	12,300 mm	14,800 mm	19,000 mm
Width	3,400 mm	4,100 mm	4,100 mm
Height	2,730 mm	2,730 mm	2,730 mm
WEIGHT (BASIC MACHINE)	14,200 kg	16,000 kg	19,000 kg
STANDARD FIBER LASER POWER			2,000 W - 3,000 W - 4,000 W 6,000 W - 8,000 W - 10,000 W

(*) Dimensions in inches: 1530 X = 120, Y = 60 | 2040 X = 160, Y = 80

(**) The accuracy of the piece depends on its type, size and pre-treatment, and the conditions of application.

Laser Genius



BEST QUALITY, HIGH ACCURACY AND PRODUCTIVITY WITHOUT COMPROMISES ON THE WHOLE THICKNESS RANGE THANKS TO THE BEST INTEGRATION OF ALL MACHINE COMPONENTS

Available in two sizes (1530 and 2040), it combines the flexibility of the Platino with increased productivity and efficiency, obtained through the innovative use of materials such as the carbon fiber carriage and the synthetic granite frame. The efficiency is further enhanced by our high-dynamic linear drive which contributes increasing its productivity up to +20%, compared with conventional drive systems.

Cutting quality further enhanced thanks to adaptive optics for the automatic management of the focal position.



PRODUCTIVE

High dynamic linear drive increases productivity on thin sheets (+20%) compared with conventional drive systems.



ACCURATE

Precise and repeatable in cutting and laser head positioning thanks to the effective CNC management of linear drive. Excellent cutting quality and dynamics on all materials.



PROFITABLE

Low operating costs thanks to high energy efficiency and reduced maintenance.



MODULAR

Suitable for any production need, offering a full range of solutions for automation.



USER FRIENDLY

Single focusing lens system with automatic nozzle changer. Easy to use programming software and Prima Power operator interface.



Highly productive on a wide range of materials.



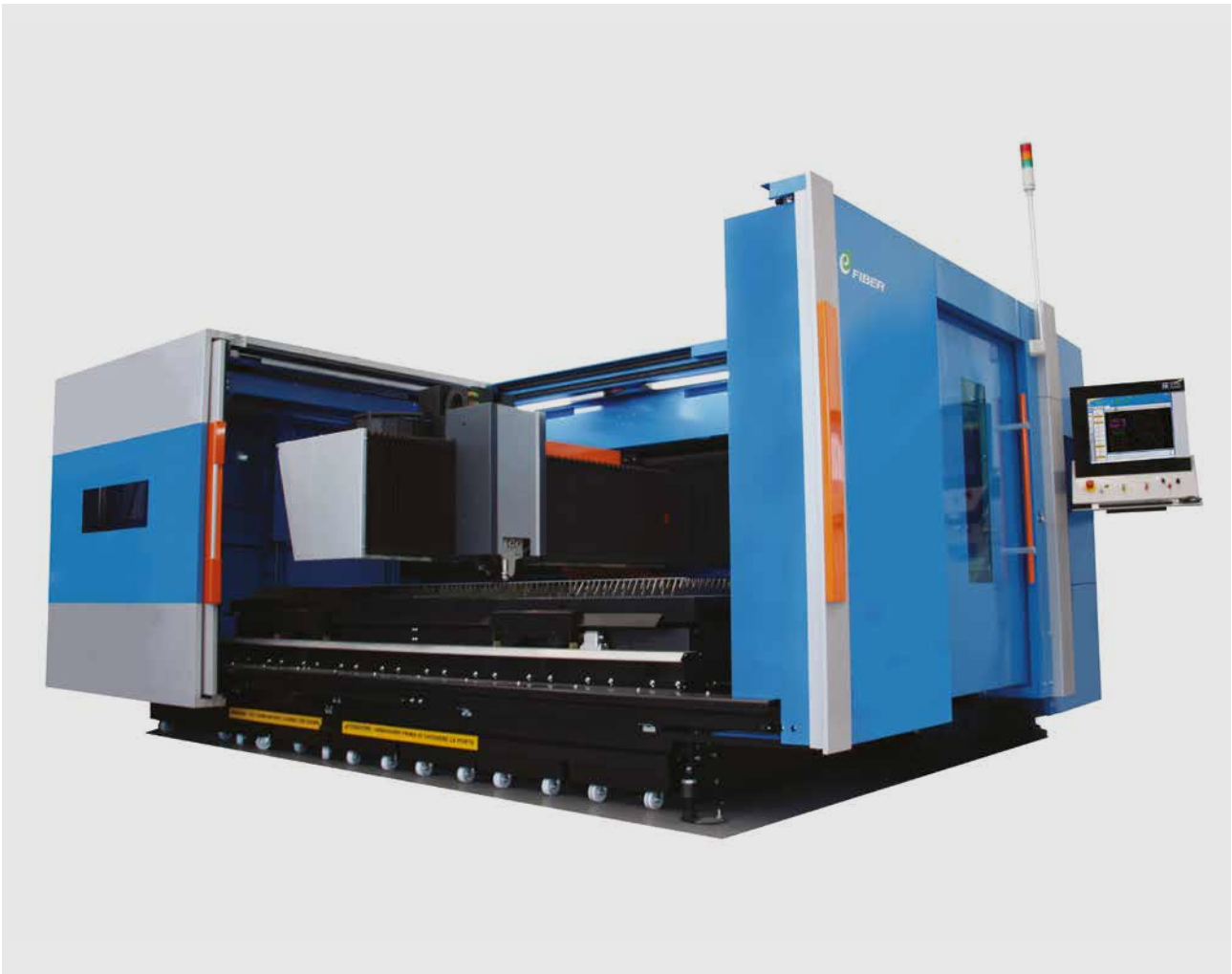
Laser Genius can be integrated with several automation solutions.



The carbon fiber carriage provides high performance and accuracy.



Prima Power CNC and proprietary process sensors for utmost ease of use.



MACHINE FEATURES

Unique machine architecture based on a **synthetic granite frame** and **carbon fiber** cantilever structure provide fiber laser technology and linear drive at their best.

New fiber head with adaptive optics for the automatic management of the focal position and diameter and a fast, reactive and accurate stand-off measurement. The new head is designed for excellent cutting quality and dynamics on all materials, the highest cutting pressures (certified mechanical structure) and the harshest environment (totally sealed and protected case).

High energy efficiency fiber laser, low maintenance required and no laser gases reduce the operating cost.

Numerical Control, Operator interface and programming software, developed and manufactured by Prima Power, are **user-friendly and smart tools**. On-board software available for the digitalization on the scrap sheet, adjust/simulate/save partprogram and simplified CAM.

Lean Cabin design provides minimum footprint and easy installation. **Open Cabin** with fully opening sliding doors grants excellent accessibility for the operator.

Technical specifications

Laser Genius

LGf 1530

LGf 2040

AXIS STROKES (*)

X = 3,048 mm
Y = 1,524 mm
Z = 150 mm

X = 4,064 mm
Y = 2,032 mm
Z = 150 mm

MAXIMUM SPEED

Single axis

X,Y = 200 m/min

Trajectory

X,Y = 240 m/min

ACCURACY (**)

X,Y,Z

Positioning accuracy (Pa): 0.03 mm

Repeatability (Ps): 0.03 mm

- according to VDI/DGQ 3441 standards

- length of measuring: complete stroke

MAXIMUM OVERALL DIMENSIONS

(automatic pallet and protection cabin included, water chiller, fumes extractor and photocells excluded)

Length

10,500 mm

12,600 mm

Width

3,400 mm

4,080 mm

Height

2,200 mm

2,200 mm

WEIGHT (BASIC MACHINE)

9,000 kg

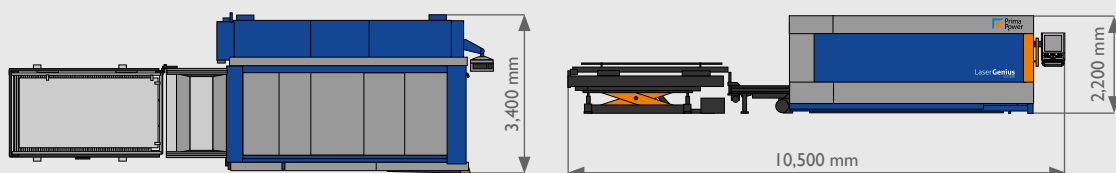
11,000 kg

STANDARD FIBER LASER POWER

3,000 W - 4,000 W - 6,000 W - 10,000 W

(*) Dimensions in inches: 1530 X = 120, Y = 60 | 2040 X = 160, Y = 80

(**) The accuracy of the piece depends on its type, size and pre-treatment, and the conditions of application.



Valid for LGf 1530

Platino Fiber



PROFITABLE FOR A PRODUCTION MIX INCLUDING ALL MATERIALS AND THICKNESSES

The 2D laser machine evolves to provide you with superior performance on a wider range of thicknesses and materials. The new adaptive cutting head grants higher reliability and best results even on high thicknesses. Platino Fiber Evo is equipped with the high-brilliance fiber laser. It is available with laser powers ranging from 2 to 6 kW, to meet customers' specific needs.



FLEXIBLE

Suitable for a wide range of materials, including highly-reflective metals and high thickness mild steel.



PROFITABLE

Low operating costs thanks to energy efficiency and reduced maintenance. Reduced piercing times and increased cutting speeds (especially on high thickness).



MODULAR

Suitable for any production need, offering a full range of solutions for automation.



USER FRIENDLY

Single focusing lens system with automatic nozzle changer.



EASY TO USE

Programming software and Prima Power operator interface.



RELIABLE

Fully-tested and reliable thanks to the 20 years of experience with the Platino platform.



Wide range of automation solutions available.



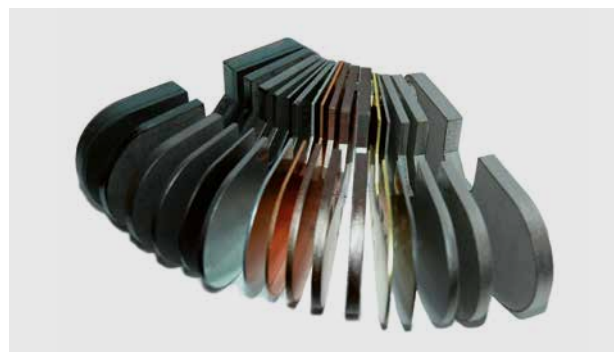
12-place automatic nozzle changer with advanced sensors.



The machine is suitable for 24/7 production.



User-friendly Prima Power CNC.



Range of processable materials and thicknesses.



MACHINE FEATURES

Unique machine architecture based on a synthetic granite frame and an aluminium cast cantilever structure grants an **unparalleled accessibility to the working area.**

Lean Cabin design provides minimum footprint and easy installation. **Open Cabin** with fully opening sliding doors and fiber-safe windows grants excellent visibility of the cutting process and accessibility for the operator.

Cutting head designed by Prima Power: single lens strategy, protective glass, Piercing and Cutting Monitoring. Technological packages, functions and options meets all customer's demands.

Numerical Control, Operator interface and programming software are **user-friendly and smart tools**, developed and manufactured by Prima Power. On-board software available for the digitalization on the scrap sheet, adjust/simulate/save partprogram and simplified CAM.

Thanks to a **wide range of automation solutions**, Platino Fiber Evo grows with your company: from a stand-alone machine to a 24/7 operating FMS.

Technical specifications

Platino Fiber

PLf I 530

AXIS STROKES (*)

X = 3,048 mm
Y = 1,524 mm
Z = 150 mm

MAXIMUM SPEED

Single axis X,Y = 100 m/min
Trajectory X,Y = 140 m/min

ACCURACY (**)

X,Y,Z Positioning accuracy (Pa): 0.03 mm
Repeatability (Ps): 0.03 mm

- according to VDI/DGQ 3441 standards
- length of measuring: complete stroke

TUBE CUTTING (OPTIONAL)

CNC-controlled rotary axis for the cutting of round and rectangular tubes

MAXIMUM OVERALL DIMENSIONS

(automatic pallet and protection cabin included, water chiller, fumes extractor and photocells excluded)

Length 10,500 mm
Width 3,400 mm
Height 2,200 mm

WEIGHT (BASIC MACHINE)

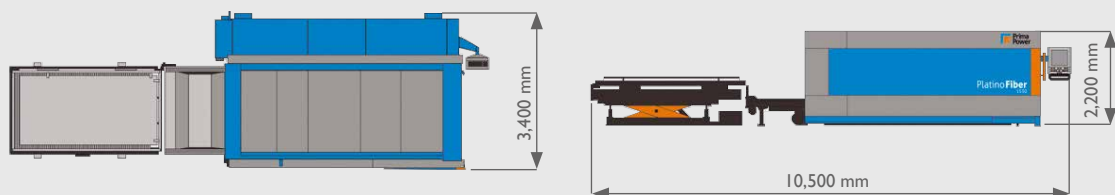
10,000 kg

STANDARD FIBER LASER POWER

2,000 kW - 3,000 kW - 4,000 kW - 6,000 kW

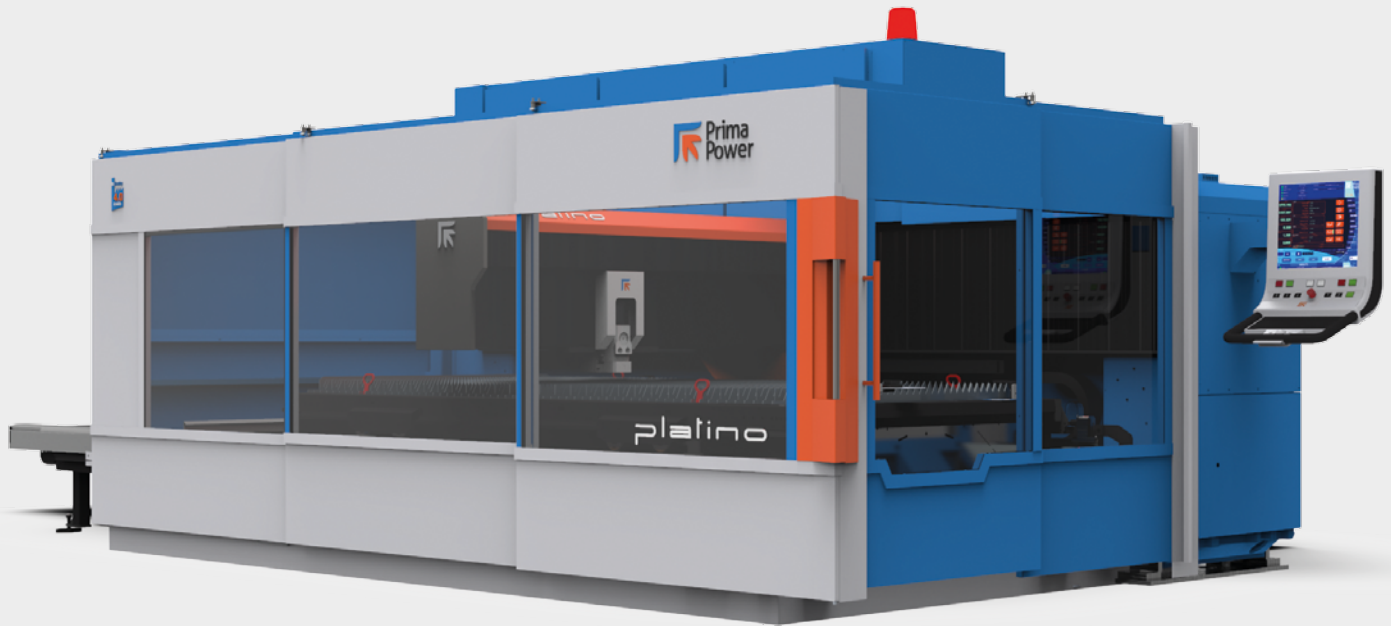
(*) Dimensions in inches: X = 120, Y = 60

(**) The accuracy of the piece depends on its type, size and pre-treatment, and the conditions of application.



Platino

CO₂



FLEXIBILITY AND HIGH QUALITY IN ALL THICKNESSES

Platino is the general purpose 2D laser cutting machine by Prima Power utilized around the globe across a multitude of applications, manufacturing demands, and budgets.

Available in two sizes (1530 and 2040) and with laser of 2,500 W or 4,500 W, Platino is suitable for every application. Change over to tube processing can be achieved with zero setup time.

Thanks to its wide range of automation modules, Platino is the right solution for both small batches and large-scale production.



FLEXIBLE

Suitable for a wide range of materials and thicknesses. Ready for round, square and rectangular tubes.



ACCESSIBLE

Excellent visibility and maximum accessibility for the operator.



RELIABLE

Fully tested and reliable platform thanks to the 20 years of experience with the Platino platform.



USER FRIENDLY

Easy to use programming software and Prima Power operator interface. Fast setup and reduced downtime.

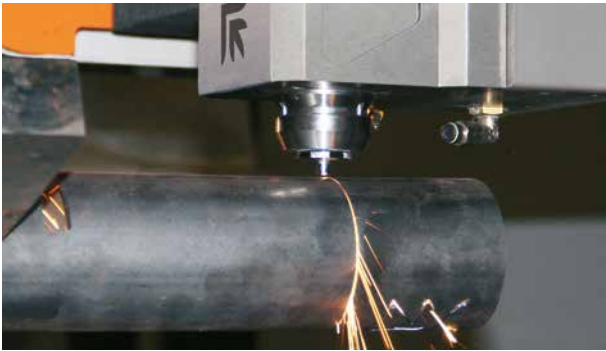


COST-EFFECTIVE

Excellent price/performance ratio.



Flexibility and high quality on all thicknesses.



Platino easily switches to tube cutting.



Platino equipped with LST for part sorting and stacking.



Synthetic granite frame provides top mechanical rigidity and stability.



Platino cuts any thicknesses with efficiency and quality.



MACHINE FEATURES

Unique machine architecture based on a synthetic granite frame and an aluminium cast cantilever structure grants an **unparalleled accessibility to the working area**.

Cutting head designed by Prima Power: Piercing and Cutting Monitoring, additional functions and options meet all customers' demands.

Open Cabin with fully-opening sliding doors and large windows grants **excellent visibility of the cutting process** and accessibility for the operator.

Numerical Control, Operator interface and programming software are **user-friendly and smart tools**, developed and manufactured by Prima Power.

A **wide range of automation solutions** allows Platino to grow with your company: from a stand-alone machine to a 24/7 operating FMS.

Technical specifications

platinO®

PLT 1530

PLT 2040

AXIS STROKES (*)

X = 3,048 mm
Y = 1,524 mm
Z = 150 mm

X = 4,064 mm
Y = 2,032 mm
Z = 150 mm

MAXIMUM SPEED

Single axis
Trajectory

X,Y = 100 m/min
X,Y = 140 m/min

X,Y = 80 m/min
X,Y = 110 m/min

ACCURACY (**)

X,Y,Z

Positioning accuracy (Pa): 0.03 mm
Repeatability (Ps): 0.03 mm

- according to VDI/DGQ 3441 standards
- length of measuring: complete stroke

TUBE CUTTING (OPTIONAL)

CNC-controlled rotary axis for the cutting of round and rectangular tubes

MAXIMUM OVERALL DIMENSIONS

(automatic pallet changer and protection cabin included, water chiller, fumes extractor and photocells excluded)

Length
Width
Height

10,600 mm
3,540 mm
2,500 mm

12,900 mm
4,200 mm
2,500 mm

WEIGHT (BASIC MACHINE)

10,000 kg

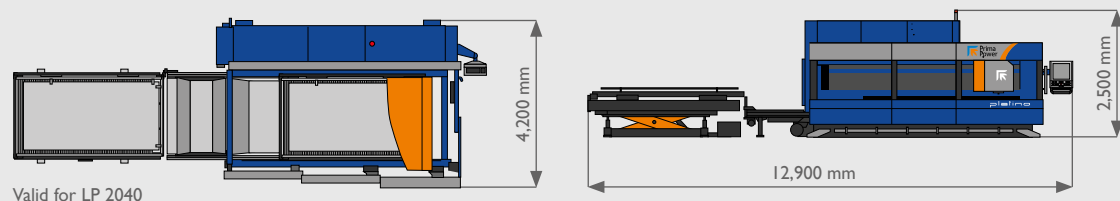
12,000 kg

STANDARD CO₂ LASER POWER

2,500 kW - 4,500 kW

(*) Dimensions in inches: 1530 X = 120, Y = 60 | 2040 X=160, Y=80

(**) The accuracy of the piece depends on its type, size and pre-treatment, and the conditions of application.



Freedom of choice, without complications

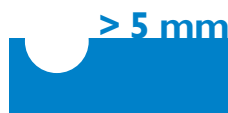
In order to meet our customers' requests, we have created several suites of options to better fit the different production needs: thin or thick metal sheets working and intensive productions.

SMART CUT



This option suite is the right solution to grant faster processing of thin metal sheets (up to 5 mm) where N₂ technology can be applied: this is possible thanks to technological solutions, like Smart Moves and Grid Cutting, able to reduce the downtime due to head positioning time. The result is a reduction of cycle time up to 30%.

MAX CUT



This option suite has been designed for thick metal sheets processing: we have been able to give the customers an astonishing cycle time reduction up to 40% due to advanced solutions, like Nitrogen Piercing and Hi.Piercing, that increase piercing quality while lowering the time.

NIGHT CUT



For intensive production, Prima Power provides this option suite that maximizes the productivity enhancing the monitoring of the process.

This is possible thanks to advanced monitoring devices able to check the status of the process and intervene in case of errors by restarting the operation or informing you remotely; LPM, monitoring piercing operation, Plasma and Tip-Touch Restart, keeping control of the cutting process, E-mail dispatching, alerting the operator in case of machine failures.

NOZZLE CHECK & OPC by camera



New dedicated device monitoring, through camera positioned on the axis of the tip exit hole, both centering and nozzle status. The device, thanks to the checks of the nozzle status and beam centering, helps to ensure reliability and saves waste of time.

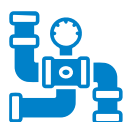
The option can be performed with dedicated part programs to run each time lens centering is required or nozzle needs to be set properly.

PUNCH CUT



Automatic edge or profiles detection function to support users during the cutting preparations using a camera system to recognize the precise position of the loaded blank. The measuring software allows taking highly accurate (< +/- 0.15 mm) references on the sheet metal thanks to a high definition camera.

GAS MIXER CUT



Increases quality and cutting speed on medium thicknesses of mild steel and aluminum. This option includes an external device, gas mixer unit, and cutting charts developed by Prima Power application engineers. The machine has a possibility to change the cutting technology automatically between 3 gases (oxygen, nitrogen and a mix of it), while the external connections supplied by the customer remain 2, nitrogen and oxygen.

Innovation converted into action

The technological core of Prima Power machines is their laser head. It's a mix of innovation and technology, designed and developed to provide our customer the highest efficiency, flexibility and reliability.

FIBER HEAD

New fiber head: Get the best, always

Prima Power has developed its new fiber head with adaptive optics for the automatic management of the focal position and diameter and a fast, reactive and accurate stand-off measurement.

The new head is designed for excellent cutting quality and dynamics on all materials, the highest cutting pressures (certified mechanical structure) and the harshest environment (totally sealed and protected case).

In line with the Prima Power tradition remain the important benefits in terms of process reliability of the SIPS, the lens drawer with quick alignment system (Optical Precision Control) and protection glass drawer for easy inspection.



CO₂ HEAD



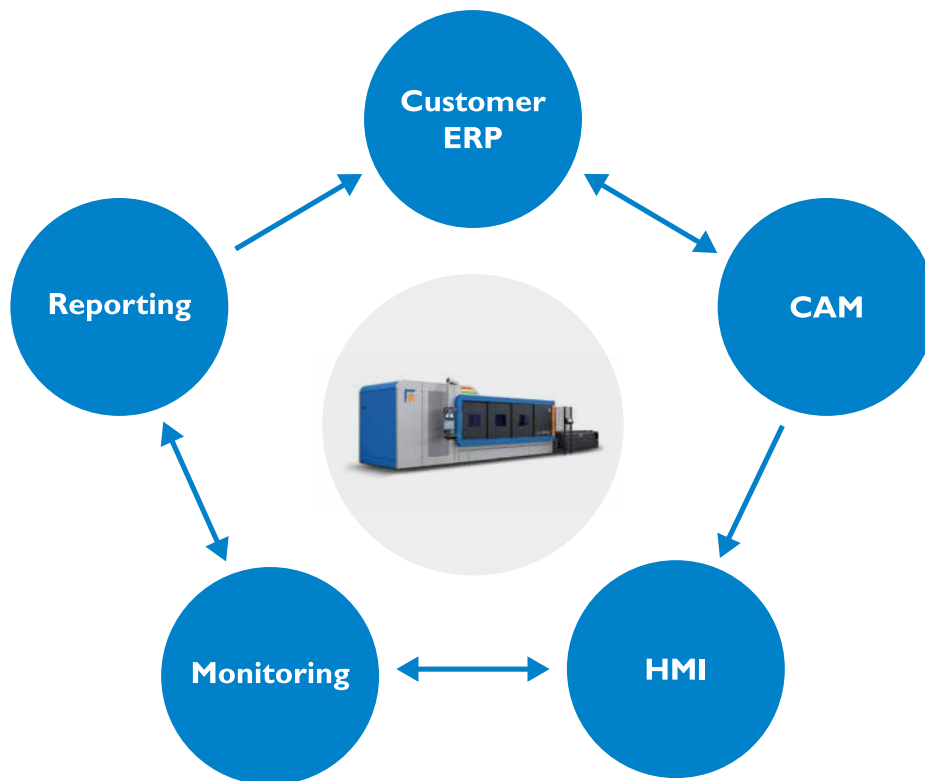
Prima Power CO₂ head features safe impact protection system, process gas pipe, wide range of nozzles, F axis for controlling the focal position independently of the Z axis, lens drawer (for 5" or 7,5" lenses), capacitive sensor for automatically maintaining the preset stand-off from the sheet metal.

Software and CNC: user-friendly and efficient

THE SOFTWARE

We offer our customers advanced software solutions to connect, manage and monitor the whole cycle of operations involved during the production.

The software provides the interaction between the various steps of production operation flow.



Customer ERP connection

Importing of production list order from customer ERP.

Cam programming / 2D Cam and Tube Cam

Efficient programming for a productive fabrication process:

- Powerful nesting
- Optimized Post Processor for 2D cut programming and tube cut programming
- Powerful simulation

Human Machine Interface

Interacting in an easy and friendly way, through touch screen, with the machine and relevant automation.

Monitoring / Production Control

Monitoring machine statuses and task lists and displaying all the events of all the machines in one view.

Production and Performance Data Reporting

Proprietary solution for viewing reports of machine status and analyzing production data.

NUMERICAL CONTROL

Our products take advantage of the latest generation of Prima Electro CNC. It represents the intelligent and user-friendly engine of our machines which provides fundamental features for managing and monitoring the production.

Laser parameters management

Technological parameters directly available on CNC.

Setup Tools

Laser and machine calibration to speed up maintenance operations.

Program management

Quick program selection with exhaustive preview function, available also in real time.

Program editing

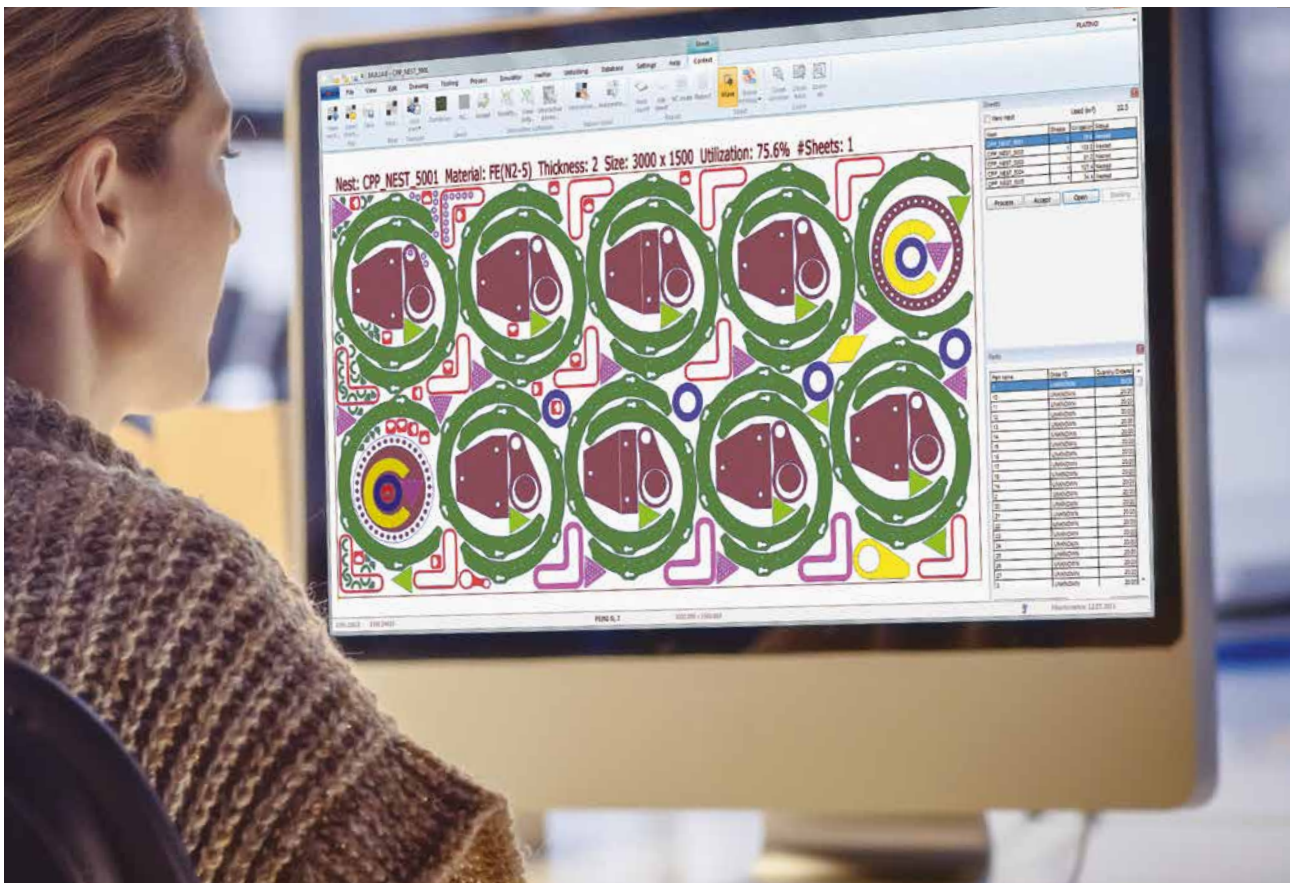
Easy program changes directly from CNC.

Restart functions

Several dedicated solutions to increase productivity and process reliability.

Other options are:

- Maintenance manager. Tracking and recording the maintenance history of the equipment. It also allows the service engineer to easily operate on the maintenance counters.
- User's login level (e.g. administrator, maintenance engineer, machine operator etc.).
- Notification Manager. Automatic sending of email in case of error.



Around-the-clock production

Prima Power machines are highly reliable and are used worldwide in the harshest production environments and for the most demanding manufacturing schedules.

This makes them particularly suitable for 24/7 operation.

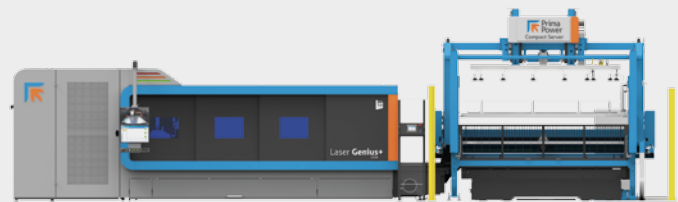
Compact Server

Loading/unloading device for handling blanks and processed sheets.

Two storage units (one for the blanks and one for the processed sheets).

Single sheet separating and control systems and sheet reference.

Smallest footprint.



PSR 2D (Picking and Stacking Robot)

Automatic picking and stacking management, suitable for unmanned production.

Clever motion system that provides extreme accuracy.

Always places parts directly to stacks and no "free fall" is needed.

Three gripper bars with individual moments to ensure reliable picking and stacking process even when parts have complicated shapes and openings.



Night Train FMS®

Loading/unloading unit for handling blanks and processed sheets.

Fully automatic connection for multiple machines possible.

Flexible and modular layout.

In-house developed graphical control system and storage management.

Ideal for fully automated manufacturing and 24/7 operation.





Combo Tower Laser

Loading/unloading devices for handling blanks and processed sheets.

Storage tower with 10 or 15 pallets.

Double tower solution available.

Single sheet separating and control systems and sheet reference.

Very limited footprint.



LST (automatic part stacking)

Automatic sorting and stacking device fully integrated with the laser system.

Cut parts are picked from table after cutting with Robot Assisted Laser Cut (RALC).

Easy management of parts into a fixed table, wagon or Night Train FMS®/Combo FMS® storage cassette.

Fully compatible with all our other automation systems.

	LOAD / UNLOAD	LOAD / UNLOAD STORE	SORT	SORT	FMS
	COMPACT SERVER	COMBO TOWER LASER	LST	PSR	NIGHT TRAIN CONNECTION
PLATINO 1530	●	●	●		●
PLATINO 2040	●	●			
PLATINO FIBER 1530	●	●	●	On request	●
LASER GENIUS 1530	●	●	●	On request	●
LASER GENIUS 2040	●	●		On request	
LASER GENIUS+ 1530	●	●		●	●
LASER GENIUS+ 2040	●	●		●	●

Prima Power Services: key to better productivity

We believe in long-term relationship with our partners, and we think that the real product we deliver to our customer is not just the machine itself, but the production capacity that our customer can achieve with our products and technology. The heart of Prima Power service is the common goal we share with our customer: start, maintain and develop the plant's production capacity and maximize it.

Our Service covers the whole life cycle of the system and technology and contributes to reach one goal: maximize the productivity and the profit for our customers.



TELESERVICE

It is a service for the remote diagnostic and assistance. Skilled service engineers are available to operate remotely with the customer's CNC.



FIELD SERVICE

In addition to preventive maintenance, we offer high-quality corrective maintenance to guarantee fast recovery when there is a problem. With more than 12,000 machines installed in more than 80 countries, we are able to give our customer the required assistance no matter where they are.



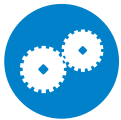
SERVICE AGREEMENTS

We continuously develop preventive maintenance plans for Prima Power machines. Maintenance visits are performed according to the task list specified for each machine type.



UPDATES & UPGRADES

The modularity of the product range often allows upgrading of a machine or manufacturing system even years after the original delivery.



SPARE PARTS

Original Prima Power spare parts to guarantee full performance and prolonged durability.



CONSULTATION

Wide range of consultation services on machine operation, programming and maintenance.



USED MACHINES

Possibility to purchase second hand machines with Prima Power quality.



TRAINING

Training programs and updates for using our machines and software to their best, maximizing manufacturing capacity and quality.

Contacts

Find your local Prima Power representative at
primapower.com



primapower.com

