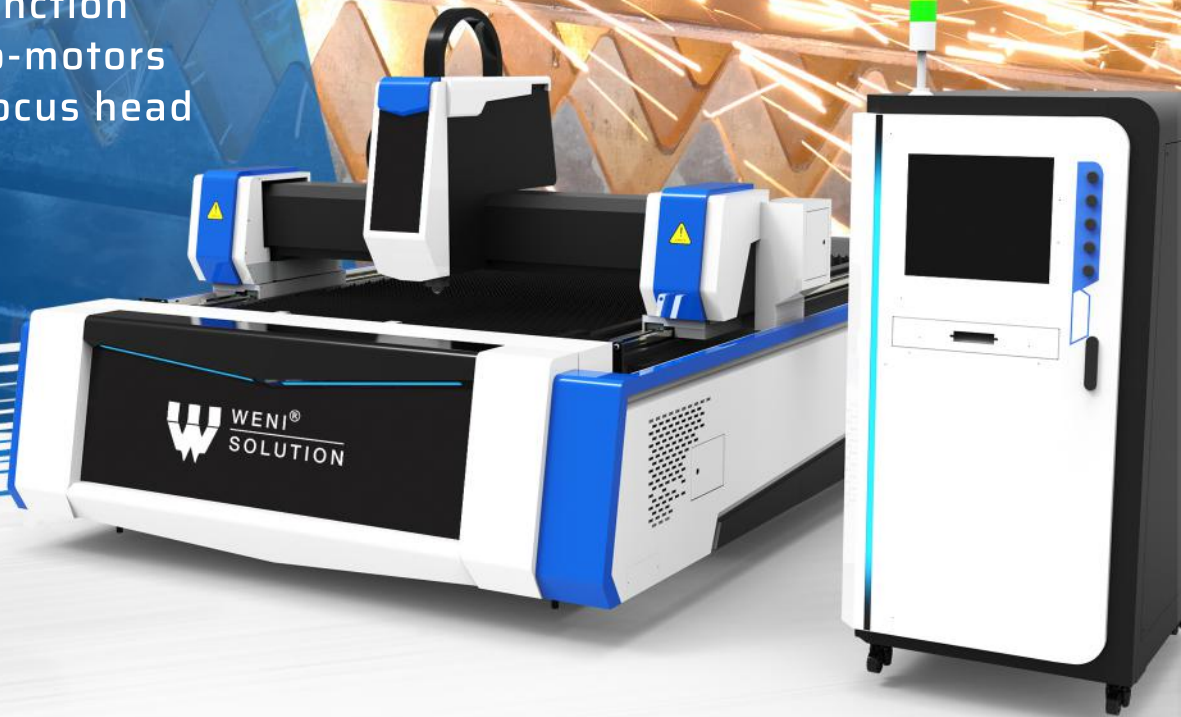


- Up to 5 years warranty
- Laser power 1kW
- CypCut Laser Software
- Pro Nestingu function
- Schneider servo-motors
- Raytools Autofocus head



Fiber Laser Cutters **PRO** Model **WS-F**

RELIABILITY • EFFICIENCY • PRECISION

Open table **laser cutters** in **PRO** version. It is characterized by high speed and the best parameters. The freestanding control cabinet is not exposed to damage and disturbances related to the work of the device

Available power options

Raycus / IPG - from 1kW

Work field size [mm]

3000x1500 • 4000x2000 • 6000x2000



Model WS-F

High-performance lasers equipped with a stable operating system, which provides best cutting results. The plotter has a **double cooling system**, lubrication system and **dust extraction system**. Models WS-F are **stable, efficient** and **durable** due to construction with significant vibration reduction, which is characterized by **rigidity, stability** and **high shock resistance**. The machine also has automatic height adjustment, which always maintains a constant focal distance from the material to be processed, ensuring that the power is ideally transferred to the cutting line but moreover autofocusing the focal length, which greatly accelerates the production process.

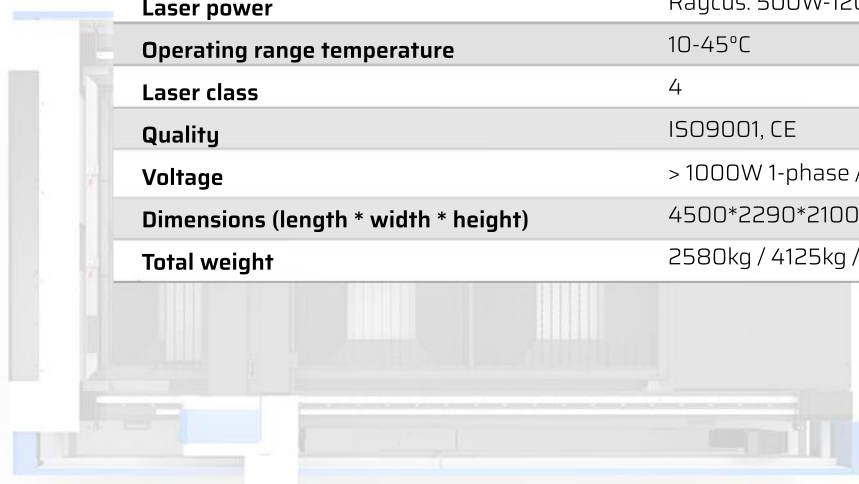
Main features

- The use of a gantry construction with an integrated cast section of the girder increases **rigidity, durability** and **shock resistance**
- High laser **efficiency** and stable operating system make the **best possible cutting effects**
- Device includes perfect cooling system, lubrication system and dust removal system which provides **stable work** and **durability**
- Machine has automatic height adjustment to maintain a **constant focal length** and **stable cutting quality**
- Specialistic CAD/CAM software for **automatic programming** and **nesting function**, which allows you make **best adjustments** distribution of elements on the sheet and maximizing the use of the material
- Access to the CNC system via the Ethernet interface enables communication and **remote monitoring** of the device during the cutting process



Technical Data

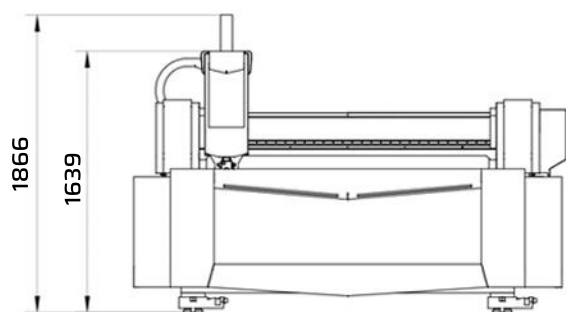
Model WS-F	
Brand	Weni Solution
Working field	3000×1500mm / 4000×2000mm / 6000×2000mm
X- axis range	1500mm / 2000mm / 2000 mm
Y- axis range	3000mm / 4000mm / 6000mm
Z- axis range	200mm
Addressed resolution	0,001mm
X/Y axis positioning accuracy	0.03mm
X/Y axis repeatability	0.02mm
X/Y axis maximum speed	100m/min
Z axis maximum speed	375mm/sec
Maximum acceleration	1.5G
Maximum platform load	900kg
Closed Case	optional / IP54 class
Head type	Raytools
Autofocus	YES
Source type	Raycus / IPG
Servo-motors	Schneider
Drive transmission	WMH Herion
Guides	THK / HIWIN
Electrical installation	Omron
Pneumatics	Airtac
Head screw drive	PMI
Operating system	Windows 7 or higher
Communication	Ethernet TCP/IP
Screen	LCD 17" or bigger
Software	CypCut
Nesting function	YES / PRO NESTING
Transmission gear lubrication system	automatic
Maximum gas pressure in the installation	3000 kPa (30 bar)
Beam type	aluminium / cast <0.373mrad
Voltage stabilizer	YES
Cooling	Dual Cool System / 13L/min
Manual controller	YES / Wi Fi - wireless
Laser power	Raycus: 500W-12000W / IPG: 500W-12000W
Operating range temperature	10-45°C
Laser class	4
Quality	ISO9001, CE
Voltage	> 1000W 1-phase / 220V 50Hz (voltage fluctuations >10%)
Dimensions (length * width * height)	4500*2290*2100 / 5650*2900*2100 / 7951*3570*2000
Total weight	2580kg / 4125kg / 5600kg



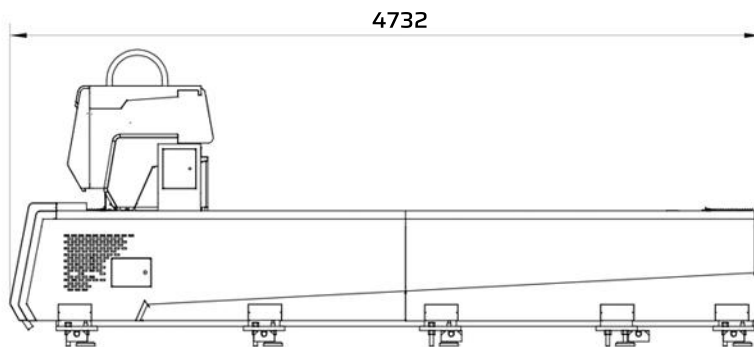
Technical Drawing model WS3015F

The values given are in [mm]

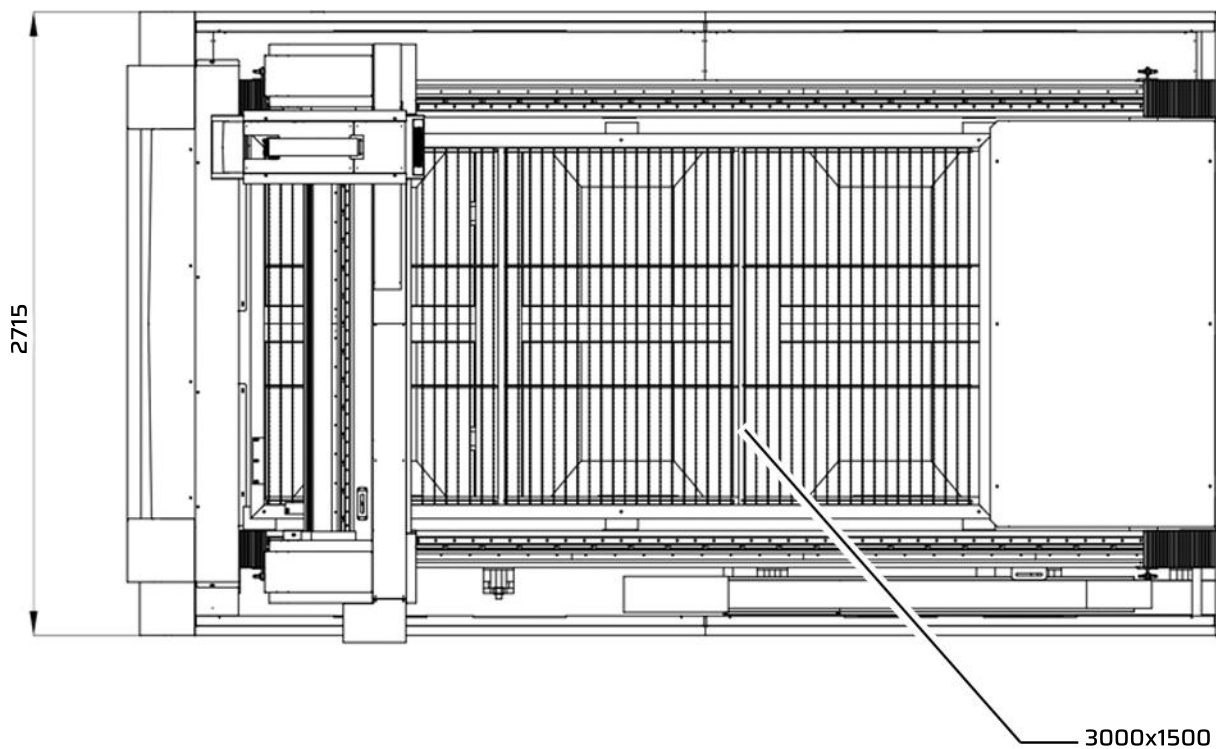
1. Front view



2. Side view



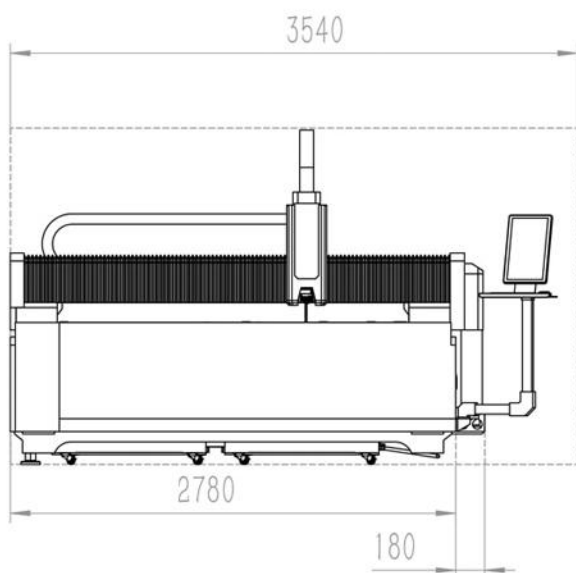
3. Top view



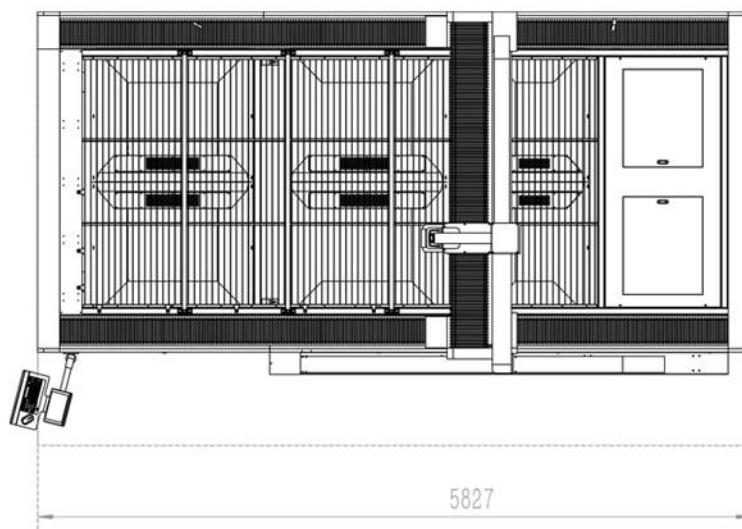
Technical Drawing model WS4020F

The values given are in [mm]

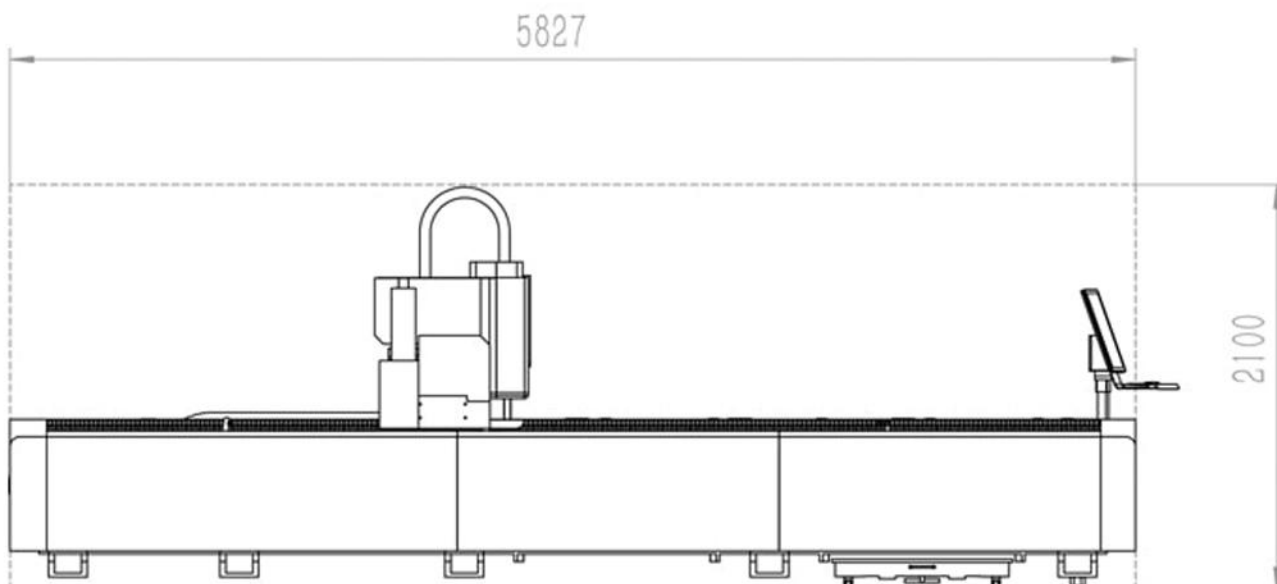
1. Front view



2. Top view



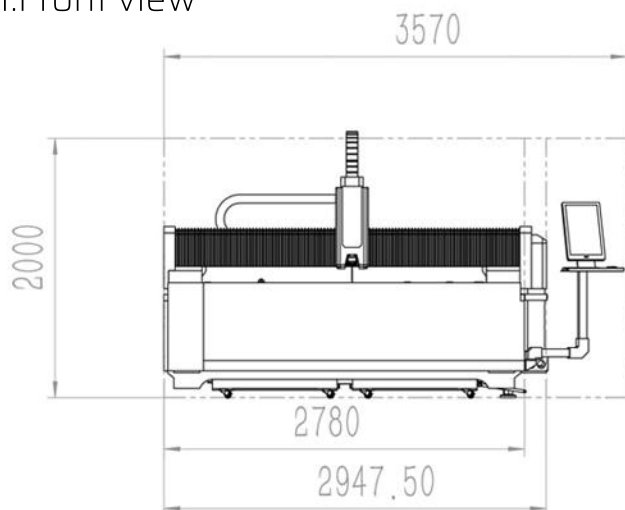
3. Side view



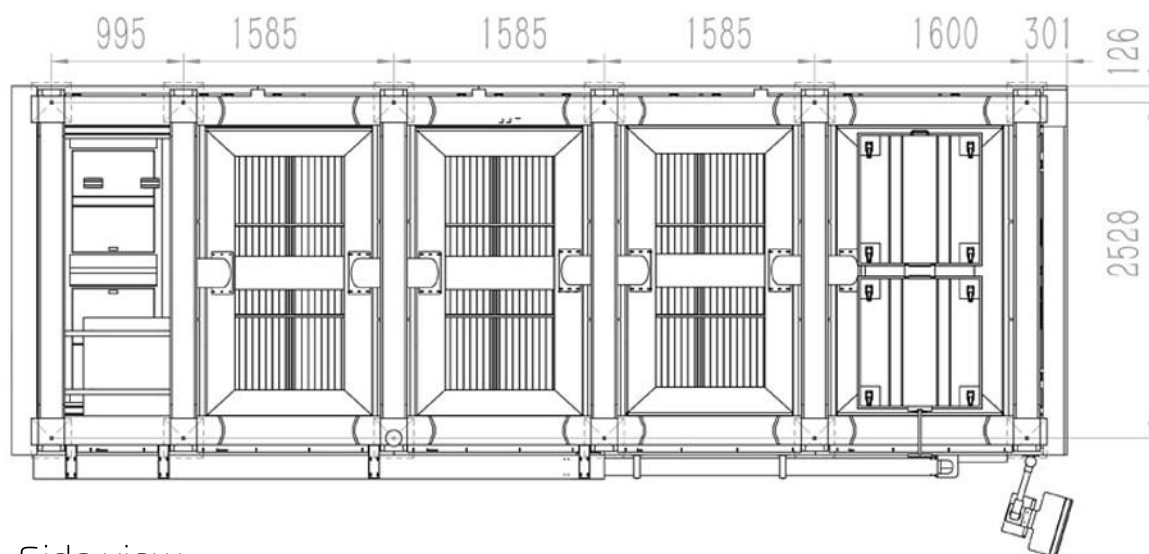
Technical Drawing model WS6020F

The values given are in [mm]

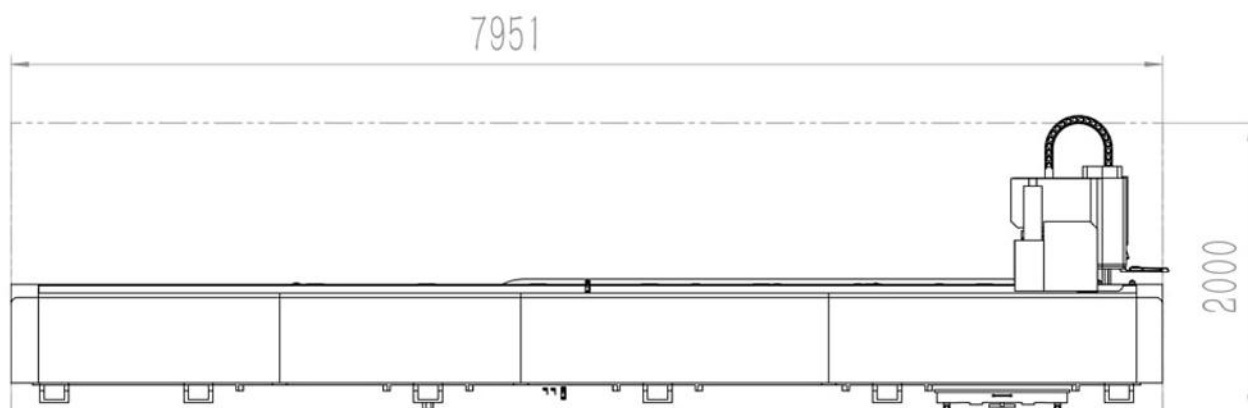
1. Front view



2. Top view



3. Side view



IPG Photonics®



Parameter	Model IPG YRL
Laser Power	0,5kW - 12kW
Working mode	CW/modular
Frequency (Hz)	0 - 50000
Wave length (nm)	1070 ± 10
Fluent power control(%)	10 - 100
Laser Stabilization	± 0,5 %
Laser beam quality (M ²)	< 1.1
Laser beam parameter (mm x mrad)	0.37
Cooling method	Water
Operating temperature (C°)	10 - 40
Moistness(%)	< 65



IPG Laser Generators
YLR Series

IPG Photonics is a leading producer of laser generators in the whole world. Years of experience guarantee the **highest quality and the best parameters** of laser beam. Broad distribution network and maintenance facilities guarantee perfect technical support for our products. Warranty and post-warranty repairs are implemented by the laboratory in our plant. **YLR series laser generators** are available in versions from 500W up to 2000W and YLS series from 2000W -up to 12000W.

Wuhan Raycus®



Parameter	Model Raycus RFL
Laser Power	0,5kW - 12kW
Working mode	CW/modular
Frequency (Hz)	0 - 50000
Wave length (nm)	1080 ± 10
Fluent power control(%)	10 - 100
Laser Stabilization	< 3 %
Laser beam quality (M ²)	< 1.3
Laser beam parameter (mm x mrad)	< 0.50
Cooling method	Water
Operating temperature (C°)	10 - 40
Moistness(%)	< 70



Raycus Laser Generator
RFL Series

Wuhan Raycus Fiber Laser Technologies Co., Ltd. is the leader in production of laser generators in the Asian market. Wuhan Raycus has an international team of specialists conducting development research, which enables to improve and develop laser generators. Service and technical support departments are a big advantage of the company, and all the repairs of equipment are conducted directly at the client's place. **RFL series laser generators** are available in the version from 500W up to 12000W.



AUTO FOCUS

FREE YOUR HANDS, ENJOY AUTOMATIC FOCUS ADJUSTMENT



RAYTOOLS
AG

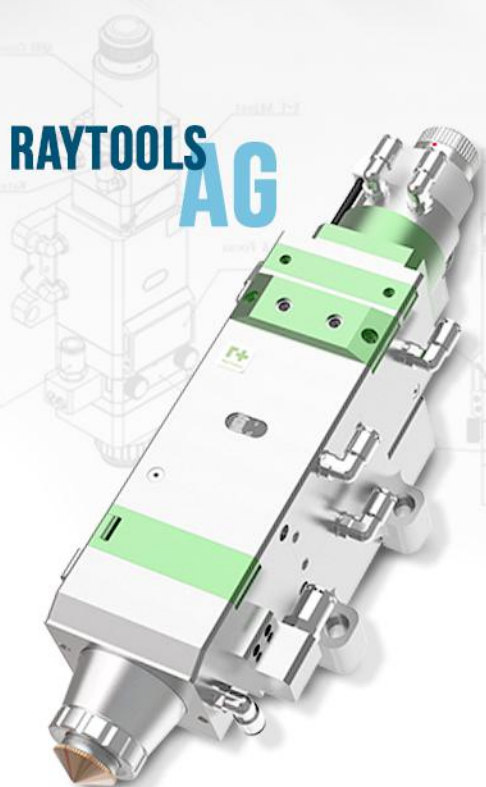
Raytools Laser Heads®

Produced in Switzerland and designed mainly for industrial uses.

Specialistic **plate-tight cover** prevents contamination of the collimative lens, which significantly increases **liveliness** of the lens and that translates into precision and efficiency of the laser beam.

Head is equipped with supplemental upper protective glass for the collimating unit. At the same time, the lower structure of the protective glass was also fully modernized by us. We added additional **dust cover** to maximize security of the lens.

Double protection structure increases the user's simplicity in case of replacing optical elements of the laser head, and the risk of lens contamination is almost zero.



Life Is On



Schneider Electric® Servomotors

The Lexium motor series includes AC LXM servo drives cooperating with BCH2 servomotors.

It's mostly characterized by:

- Reduced start-up time
- Increased profitability
- Improved efficiency

Lexium servo motors and drives are part of Machine Struxure. Latest generation of **MachineStruxure™** is an intuitive solution designed for machine automation with all the necessary functions to improve **productivity** and **increasing Your profits**. An alternative concept for machine manufacturers, which provides benefits throughout the entire life cycle of the machine on many levels.



When others stop...

You have got voltage stabilizer

All **Weni Solution**[®] are equipped with a voltage stabilizer in standard which ensures that the device is protected against any electrical damage. Voltage regulation problems account for more than 90% of failures due to poor power supply in many countries. Our **high-voltage voltage stabilizers** provide protection against voltage drops, overvoltages or power cuts.

Stabilizer has a wide input voltage tolerance and is designed to provide the **highest reliability** in hostile environments where high quality power supply cannot be guaranteed.

You work !

Iron cast device frame

The machine bed structure is welded with an emphasis on **strength** and **durability**. Moreover, later the whole frame is subjected to a high temperature annealing treatment to remove internal stresses from the machine bed, so that the device remains **stable** during use and last **unchanged** for even up to **10 years**.

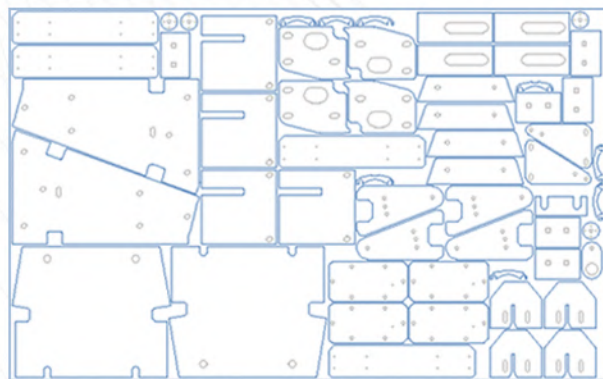


Nesting - Economical technology

Nesting technology (Nested Based Manufacturing or NBM) - significantly **shortens** and **improves** the production process. Especially for curvilinear cuts.

The possibility of positioning whole sheet plates allows to use raw material more efficiently, which means reducing the amount of waste.

Nesting provide optimal usage of the material. In addition cutting simulation function allows you to plan your production accordingly. Test operations before the actual processing will also determine the time and costs needed to complete the task.



Example of the element arrangement on work field

CypCut - Software for fiber lasers

Cyp Cut laser cutting control system is a package of system software designed for flat laser cutting, including laser cutting, common system functions and control of laser processing etc. It is available in two languages - English and Polish.

Most of its functions are used in graphics processing, parameter adjustments, customized cutting process editing, simulation and cutting process control.



Available in 2 languages



CypCut software which is a part of every our device allows operators to:

- Setting up and saving technological parameters for the tasks
- Performing cutting in automatic mode
- Optimizing the displacement of elements
- Preventing the head from passing over the cut-out areas
- Controlling the number of components, details and waste
- Inserting automatic workpiece support bridges in the sheet
- Autonesting - an autonomous mode of stacking elements by filling the sheet
- Saving and editing drawings in *. lxd, *. dxf and other formats.

Financing



CASH

VAT 0% or VAT 23%

We offer a purchase with a VAT rate of 0% (so-called intra-community delivery). Devices are delivered from countries in EU, so an active VAT payer has the right to purchase the above mentioned rate of 0%.

The application of the 23% VAT rate will take place at the domestic delivery, i.e. that the device will be delivered from a warehouse in the country (Poland). If the VAT number is inactive or a domestic delivery is required, a VAT invoice will be issued at a rate of 23%.



SPLITTED PAYMENT

TIME = MONEY

Most of the devices require an order for production or adjusting to the individual needs of the customer, so payment can be made in stages.

The splitting of payments in time doesn't include any additional fees and allows our customers to invest in development the most friendly and flexible way.

To agree on the details, please contact one of our sales representative.



LEASING

MANY POSSIBILITIES

As a trusted partner of the leading banks on the market, We've successfully accomplished many contracts, which only confirms our references.

We cooperate with banks and partners such as: Alior Bank, Pekao Leasing, Getin Bank, EFL, Raiffeisen Bank, X-leasing.

Thanks to constant co-operation, formalities are kept to a minimum, which significantly speeds up the entire procedure and ultimately affects delivery time.



CURRENCIES

MULTICURRENCY

To meet the comfort and convenience of each of our clients, we offer the option of making deposits in the following currencies:

- Polish Zloty **PLN**
- Euro **EUR**
- United States Dolar **USD**
- British Funt **GBP**

For the sake of your financing, we have accounts in the above currencies, which means that there are no frequent currency conversion problems in our transactions.



Service & Technical Support



We provide warranty and post-warranty service for all **Weni Solution** brand devices. Our **experienced** and **highly qualified** team of service technicians will guarantee o You best quality of service possible.

We provide **free telephone assistance** with alarms deactivation and minor breakdowns. We have complex spare parts storage which significantly accelerates service work. We warrant 24H service time reaction (on working days) from the written notification of the accident.

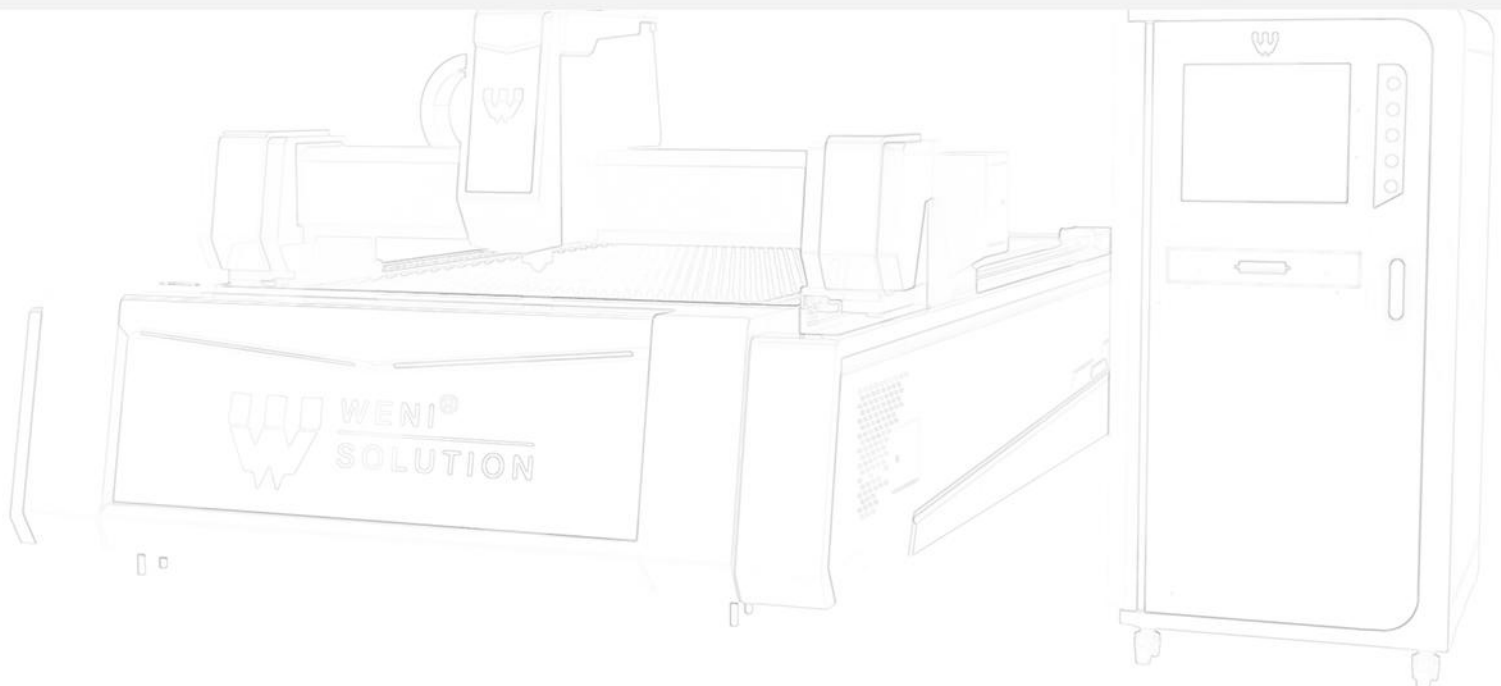
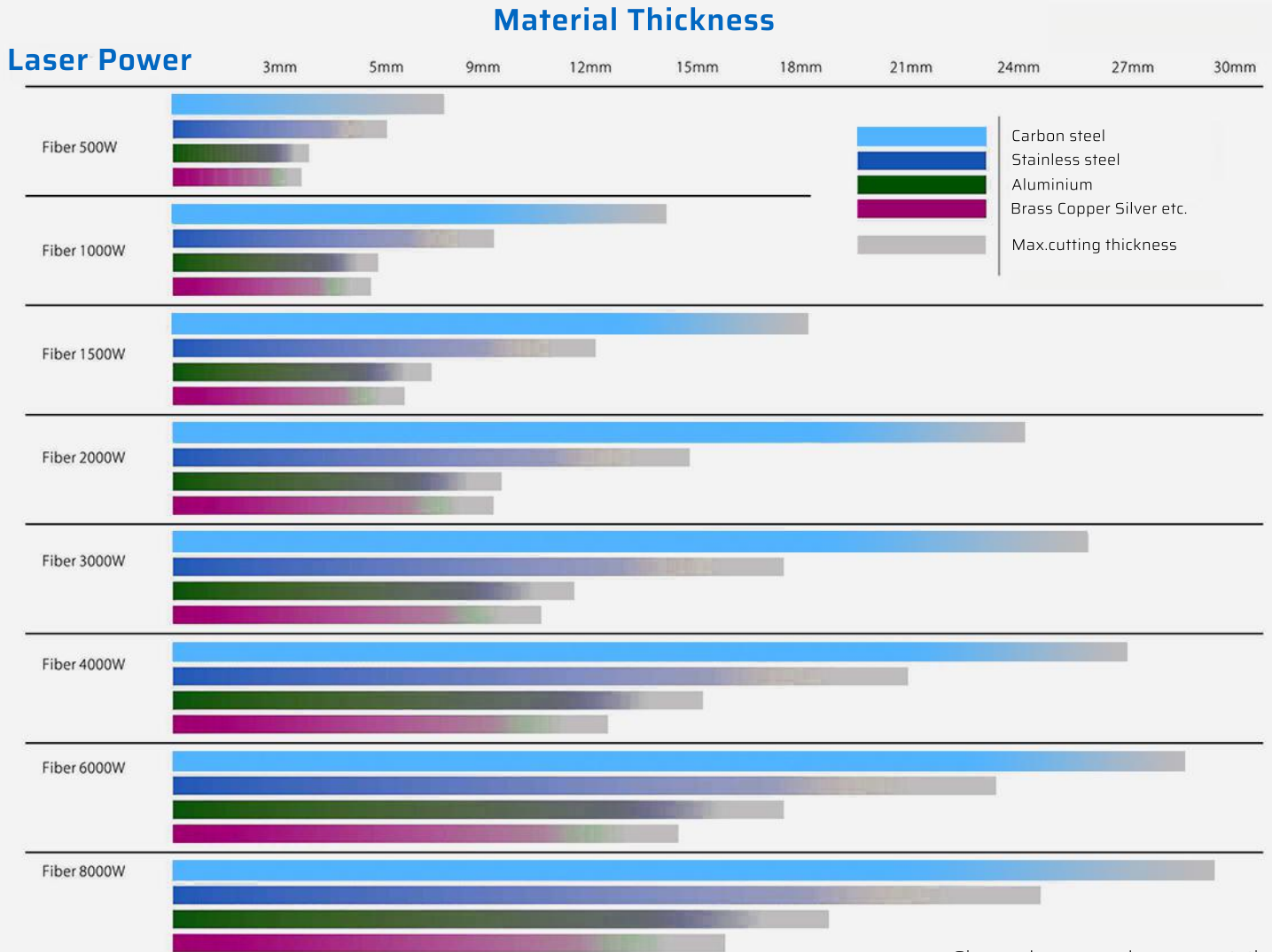
We offer:

- Carrying out periodic inspections of laser cutters
- Warranty and post-warranty repair service
- Conservation and adjusment in our products
- Replacement of internal and external optics
- Optics calibration and mirrors cleaning
- Exchange or regeneration of drive systems
- Setting the cutting parameters
- Measurement of effectiveness in Co2 lasers,
- Repairs and regeneration of cooling system and pneumatics

Our professionals are at your disposal - they serve you with their **knowledge** and **experience**.

Advanced training programme and practise course allows to prepare operators for **quick** and **efficient** work and to avoid many problems resulting from improper handling of the tool. Trainings are carried out at the customer's place, which significantly **reduces costs**.

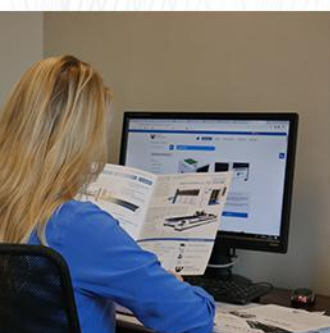
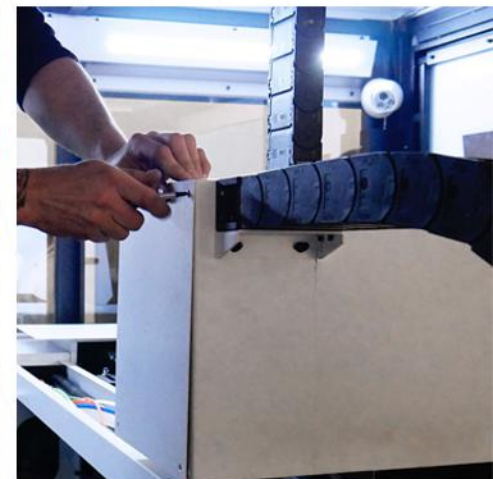
Table of cutting ranges



Cutting parameters - Weni Solution Fiber Lasers

Material Type	Material Thickness	Laser Power						
		500W	1000W	2000W	3000W	4000W	6000W	8000W
Carbon Steel	1mm	8.0 - 13 m/min	15 - 24 m/min	24 - 30 m/min	30 - 42 m/min	40 - 55 m/min	60 - 80 m/min	70 - 90 m/min
	2mm	3.0 - 4.5 m/min	5.0 - 7.5 m/min	5.5 - 8.0 m/min	7.0 - 9.0 m/min	8.0 - 10 m/min	9.0 - 12 m/min	10 - 13 m/min
	3mm	1.8 - 3.0 m/min	2.4 - 4.0 m/min	3.5 - 4.8 m/min	4.0 - 6.5 m/min	4.5 - 6.5 m/min	4.0 - 7.0 m/min	4.0 - 7.0 m/min
	4mm	1.3 - 1.5 m/min	2.0 - 2.4 m/min	2.8 - 3.5 m/min	3.5 - 4.5 m/min	4.0 - 5.0 m/min	4.2 - 5.5 m/min	4.7 - 5.5 m/min
	5mm	0.9 - 1.1 m/min	1.8 - 2.0 m/min	2.5 - 3.0 m/min	3.0 - 3.5 m/min	3.0 - 4.2 m/min	3.5 - 4.2 m/min	3.8 - 4.5 m/min
	6mm	0.6 - 0.9 m/min	1.4 - 1.6 m/min	1.8 - 2.6 m/min	2.5 - 3.2 m/min	3.0 - 3.5 m/min	3.0 - 4.0 m/min	3.3 - 4.2 m/min
	8mm	-	0.8 - 1.2 m/min	1.2 - 1.8 m/min	1.8 - 2.6 m/min	2.0 - 3.0 m/min	2.2 - 3.2 m/min	2.5 - 3.5 m/min
	10mm	-	0.6 - 1.0 m/min	1.1 - 1.3 m/min	1.4 - 2.0 m/min	1.5 - 2.5 m/min	1.8 - 2.5 m/min	2.2 - 2.7 m/min
	12mm	-	0.5 - 0.8 m/min	0.9 - 1.2 m/min	1.2 - 1.6 m/min	1.4 - 2.0 m/min	1.6 - 2.0 m/min	1.8 - 2.1 m/min
	14mm	-	-	0.7 - 0.8 m/min	0.9 - 1.4 m/min	1.0 - 1.6 m/min	1.5 - 1.8 m/min	1.7 - 1.9 m/min
	16mm	-	-	0.6 - 0.7 m/min	0.8 - 1.2 m/min	0.8 - 1.5 m/min	0.8 - 1.5 m/min	0.9 - 1.7 m/min
	18mm	-	-	0.4 - 0.6 m/min	0.7 - 1.0 m/min	0.8 - 1.1 m/min	0.9 - 1.2 m/min	0.9 - 1.2 m/min
	20mm	-	-	-	0.6 - 0.8 m/min	0.7 - 1.0 m/min	0.8 - 1.1 m/min	1.0 - 1.5 m/min
	22mm	-	-	-	0.4 - 0.6 m/min	0.6 - 0.8 m/min	0.7 - 0.9 m/min	0.8 - 1.0 m/min
25mm	-	-	-	-	0.3 - 0.5 m/min	0.4 - 0.6 m/min	0.5 - 0.7 m/min	
Stainless Steel	1mm	8.0 - 13 m/min	118 - 25 m/min	24 - 30 m/min	30 - 42 m/min	40 - 55 m/min	60 - 80 m/min	70 - 90 m/min
	2mm	2.4 - 5.0 m/min	7.0 - 12 m/min	10 - 17 m/min	18 - 21 m/min	20 - 30 m/min	30 - 42 m/min	40 - 55 m/min
	3mm	0.6 - 0.8 m/min	1.8 - 2.5 m/min	4.0 - 6.5 m/min	8.0 - 12 m/min	12 - 18 m/min	18 - 24 m/min	30 - 38 m/min
	4mm	-	1.2 - 1.3 m/min	3.0 - 4.5 m/min	6.0 - 9.0 m/min	8.0 - 12 m/min	10 - 18 m/min	18 - 24 m/min
	5mm	-	0.6 - 0.7 m/min	1.8 - 2.5 m/min	3.0 - 5.0 m/min	4.0 - 6.5 m/min	8.0 - 12 m/min	12 - 17 m/min
	6mm	-	-	1.2 - 2.0 m/min	3.0 - 4.3 m/min	4.0 - 6.5 m/min	6.0 - 9.0 m/min	8.0 - 14 m/min
	8mm	-	-	0.7 - 1.0 m/min	1.5 - 2.0 m/min	1.8 - 3.0 m/min	4.0 - 5.0 m/min	6.0 - 8.0 m/min
	10mm	-	-	-	0.8 - 1.0 m/min	0.8 - 1.5 m/min	1.8 - 2.5 m/min	3.0 - 5.0 m/min
	12mm	-	-	-	0.5 - 0.8 m/min	0.6 - 1.0 m/min	1.2 - 1.8 m/min	1.8 - 3.0 m/min
	16mm	-	-	-	-	0.5 - 0.8 m/min	0.6 - 0.8 m/min	1.2 - 1.8 m/min
	20mm	-	-	-	-	-	0.5 - 0.8 m/min	0.6 - 0.7 m/min
	30mm	-	-	-	-	-	-	0.4 - 0.5 m/min
Aluminium	1mm	4.0 - 5.5 m/min	6.0 - 10 m/min	20 - 25 m/min	25 - 40 m/min	40 - 55 m/min	55 - 65 m/min	80 - 90 m/min
	2mm	0.7 - 1.5 m/min	2.8 - 3.6 m/min	7.0 - 10 m/min	10 - 18 m/min	15 - 20 m/min	25 - 35 m/min	35 - 50 m/min
	3mm	-	0.7 - 1.5 m/min	4.0 - 6.0 m/min	7.0 - 10 m/min	10 - 15 m/min	13 - 18 m/min	21 - 30 m/min
	4mm	-	-	2.0 - 3.0 m/min	4.0 - 5.5 m/min	8.0 - 10 m/min	10 - 12 m/min	13 - 18 m/min
	5mm	-	-	1.2 - 1.8 m/min	3.0 - 4.0 m/min	5.0 - 7.0 m/min	6.0 - 10 m/min	9.0 - 12 m/min
	6mm	-	-	0.7 - 1.0 m/min	1.5 - 2.5 m/min	3.5 - 4.0 m/min	4.0 - 6.0 m/min	4.5 - 8.0 m/min
	8mm	-	-	-	0.7 - 1.0 m/min	1.5 - 2.0 m/min	2.0 - 3.0 m/min	4.0 - 6.0 m/min
	10mm	-	-	-	-	0.8 - 1.0 m/min	1.0 - 2.1 m/min	2.2 - 3.0 m/min
	12mm	-	-	-	-	0.6 - 0.8 m/min	0.8 - 1.4 m/min	1.5 - 2.0 m/min
	16mm	-	-	-	-	-	0.6 - 0.9 m/min	1.0 - 1.6 m/min
	20mm	-	-	-	-	-	-	0.6 - 0.9 m/min
Brass	1mm	4.0 - 5.5 m/min	6.0 - 10 m/min	14 - 16 m/min	25 - 35 m/min	35 - 45 m/min	50 - 60 m/min	70 - 85 m/min
	2mm	0.5 - 1.0 m/min	2.8 - 3.6 m/min	4.5 - 6.5 m/min	10 - 15 m/min	10 - 15 m/min	25 - 30 m/min	30 - 40 m/min
	3mm	-	0.5 - 1.0 m/min	2.5 - 3.5 m/min	5.0 - 8.0 m/min	7.0 - 10 m/min	12 - 18 m/min	15 - 24 m/min
	4mm	-	-	1.5 - 2.0 m/min	3.5 - 5.0 m/min	5.0 - 8.0 m/min	8.0 - 10 m/min	9.0 - 15 m/min
	5mm	-	-	1.4 - 1.6 m/min	2.5 - 3.2 m/min	3.5 - 5.0 m/min	6.0 - 7.0 m/min	7.0 - 9.0 m/min
	6mm	-	-	-	1.2 - 2.0 m/min	1.5 - 2.5 m/min	3.5 - 4.5 m/min	4.5 - 6.5 m/min
	8mm	-	-	-	0.7 - 0.9 m/min	0.8 - 1.5 m/min	1.6 - 2.2 m/min	2.4 - 4.0 m/min
	10mm	-	-	-	-	0.5 - 0.8 m/min	0.8 - 1.4 m/min	1.5 - 2.2 m/min
	12mm	-	-	-	-	-	0.6 - 0.8 m/min	0.8 - 1.5 m/min
	16mm	-	-	-	-	-	-	0.6 - 0.8 m/min

Work of Weni Solution team



WENI[®] SOLUTION

Fiber Lasers • Fiber Markers • Co2 Lasers • Flatbed plotters

ALL MACHINES AND PRODUCTS THAT **WENI SOLUTION** ARE FLAGSHIP MODELS DESIGNED AND PRODUCED BY OUR ENGINEERS BASED ON **MANY YEARS OF EXPERIENCE** AND **OPINIONS OF OUR CUSTOMERS**

CUSTOMERS WHO CHOOSE OUR BRAND RECEIVE A **QUALITY GUARANTEE** AT A REASONABLE PRICE, **FULL SERVICE** AND **TECHNICAL SUPPORT**.

WENI SOLUTION AS ONE OF THE FEW BRANDS IN THE INDUSTRIAL EQUIPMENT MARKET OFFERS EVEN **UP TO 5 YEARS OF WARRANTY** ON EVERY OUR DEVICE

PRECISE MEASUREMENTS OF EACH ELEMENT AND LASER CALIBRATION CARRIED OUT BY OUR TECHNICIANS GUARANTEE THE RELIABILITY OF OUR DEVICES



WE ALSO GUARANTEE AFTER-WARRANTY AND PERMANENT SERVICE
REPLENISHED BACKUP OF **SPARE** AND **OPERATIONAL** PARTS

OUR TECHNICIANS SERVE THEIR **KNOWLEDGE** AND **EXPERIENCE**
PROVIDING TECHNICAL SUPPORT AT THE HIGHEST LEVEL POSSIBLE



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