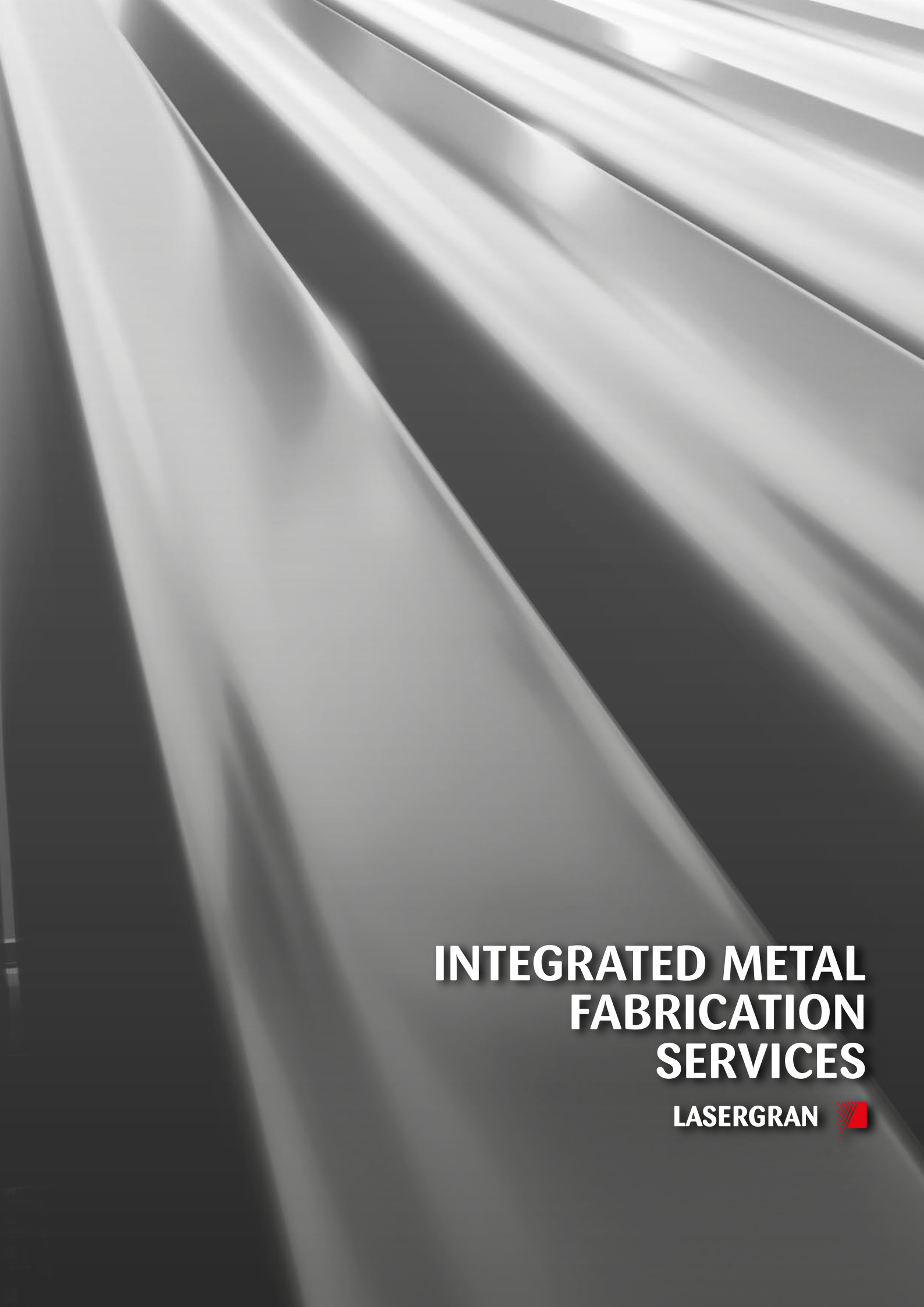


INTEGRATED METAL FABRICATION SERVICES

LASERGRAN

LASERGRAN

Lasergran is a leading company in the metallurgy sector, operating at a national level. We have a professional track record of 50 years of experience and work with the most advanced technological and computer resources on the market, combined with covered facilities of more than 28,000 m^2.

Unlike other companies, at Lasergran we offer all metallurgical services in a centralized manner at our facilities, without subcontracting and with permanent stock, which enables significant savings in delivery times and production costs.

We currently operate from four locations: headquarters in Santa Fe (Granada), branch for the central region in Alcalá de Henares (Madrid), branch for the eastern area region in Quart de Poblet (Valencia), and branch for the northeast region in Santa Perpètua de Mogoda (Barcelona).

QUOTATION

Quotation in record time

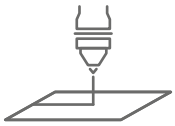
DESIGN

2D/3D Design and technical advice

STOCK

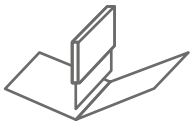
Permanent stock of 400+ materials

CUTTING



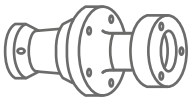
Laser, oxy-fuel, plasma and water cutting

BENDING



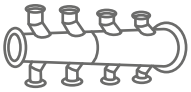
Precision bending up to 8 m

MACHINING



All types of machining

SEMI-FINISHED

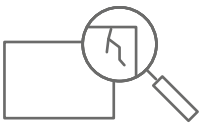


Complete manufacturing and assembly

FINISHES

Coatings and surface finishes

QUALITY



Quality control and guarantee

TRANSPORT

24h urgent transport

We offer all metallurgical services in a centralized manner at our facilities, without subcontracting and with permanent stock

INTEGRATED METAL FABRICATION SERVICES

LASERGRAN

Services for the manufacturing of parts, semi-finished products, and final products

· Laser cutting for sheet metal, up to 12,000 x 3,000 mm.
· Laser cutting for tube.
· High-definition plasma cutting (3D).
· High-definition plasma tube cutting.
· Oxy-fuel cutting.
· Waterjet cutting.
· Precision bending.
· Robotic bending.
· Panel bender bending.
· Punching.
· Shear cutting.
· Sheet metal curving.
· CNC lathe machining.
· CNC machining center.
· Machining operations with conventional machinery.
· Arc, Mig and Tig welding.
· Robotic welding.
· Placement of electrowelded inserts.
· Placement of riveted inserts.
· Placement of pressed inserts.

Surface finishing services

· Laser engraving.
· Oven-baked powder coating.
· Liquid paint in spray booth.
· Fine shot blasting for stainless steel.
· Coarse shot blasting for carbon steel.
· Deburring, sanding and satin finishing work on automatic machine.
· Tin plating.
· Nickel plating.
· Zinc plating*.
· Anodizing*.
· Hot-dip galvanizing*.
· Heat treatments*.

* The only services that Lasergran outsources.

VALUES

· SECTOR LEADING COMPANY
· 50 YEARS OF EXPERIENCE
· 28,000 M² OF FACILITIES
· WE OPERATE 24/7
· AGILITY AND TRANSPARENCY
· PERSONALIZED ATTENTION
· SPECIALIZED TECHNICIANS
· DESIGN SOLUTIONS
· PERMANENT STOCK
· LATEST TECHNOLOGY
· QUALITY GUARANTEE
· ON-TIME DELIVERY

DESIGN AND TECHNICAL ADVICE

We form a great technical and human team capable of providing solutions for all your needs. We advise dozens of clients daily regarding the choice of materials and appropriate techniques for the completion of their projects.

Every day we have more satisfied clients, thanks to the effort of graphic designers, industrial designers, draftspersons, and mechanical project engineers.

QUOTATION

As soon as we receive a proposal by email, our technical department prepares a quotation as quickly as possible.

PERSONALIZED ATTENTION

A specialized technician is assigned to you so that you can always be in contact with the same person and enjoy personalized attention.

STOCK

The choice of materials constitutes a very important step. We have a permanent stock with more than 400 material references.

DESIGN

We use specific drawing development and processing techniques, as well as the design of parts, assemblies, or complete machines in 2D and 3D with SolidWorks.

TECHNICAL DEVELOPMENT

QUALITY

We are always committed to offering the highest quality in our services. We meticulously supervise each step of the production process to guarantee our clients' satisfaction.

AGILITY

Our highly optimized workflow ensures maximum efficiency at every stage of production, from quick quotation to final product delivery.

INNOVATION

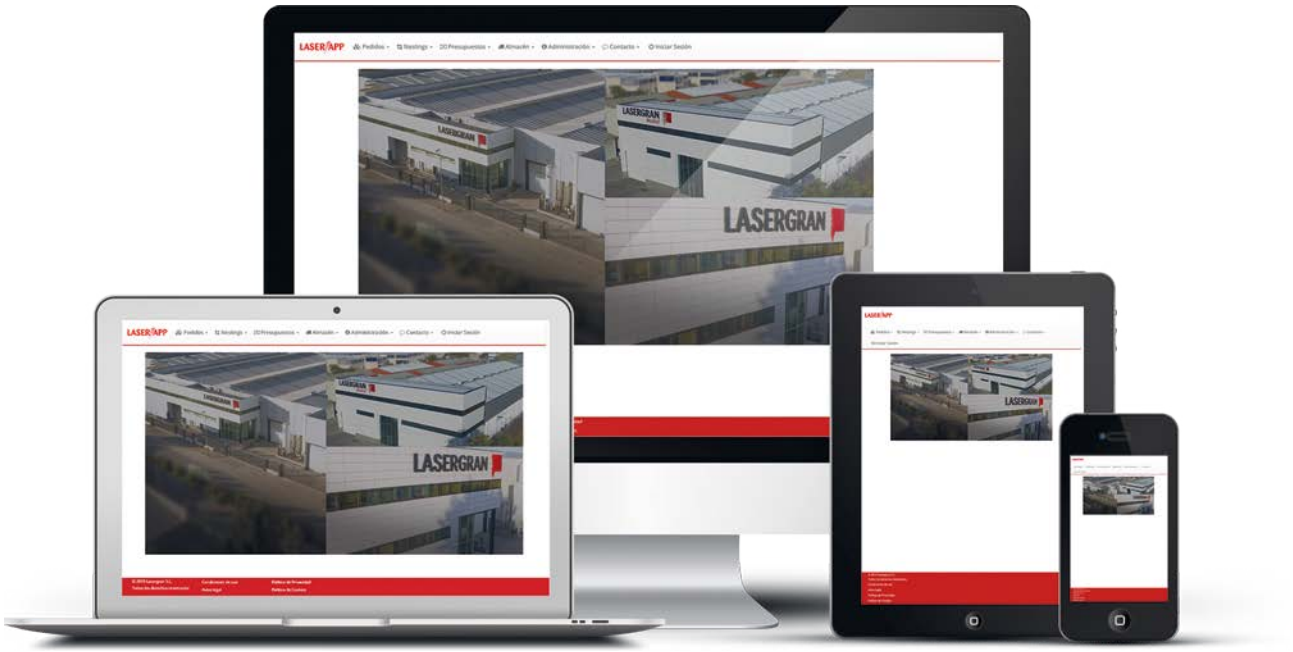
We invest in innovation and the most advanced technology on the market, enabling us to operate with maximum efficiency and provide the best possible service.

MONITOR

With our LASERAPP, you can monitor every step of the manufacturing process in real time.

LASER APP
REMOTE ORDER TRACKING

Always committed to providing the highest quality and transparency in our services, we have developed an application (created by our IT department) that allows you to remotely check the status of your orders from anywhere. You can see in real time which manufacturing stage your order is currently in. Once completed, you can download a copy of the delivery note, the invoice, and the corresponding sheet metal certificates. You will also be able to view the courier company and the shipment tracking number.



MANAGE YOUR ORDERS FROM ANYWHERE

LASER APP FEATURES

LOG IN

To access the application and view your order details, we will need to register you first. You will then log in using an assigned password, which you can change later.

ORDERS

View real-time information about your current order and track its status. See which tasks are completed, which are in progress, and which are still pending. A visual process history displays icons that indicate each production phase through color coding.

GREEN: completed | **BLUE**: in process | **YELLOW**: preparing | **RED**: not started

Once the order is completed, you will be able to:

Laser cutting, water cutting, plasma cutting, tube cutting, picking, bending, machining, painting, welding, galvanizing, shot blasting, punching and other work.

Once the order is finished, you can:

· Download a copy of the delivery note.
· Download a copy of the invoice.
· Download a copy of the corresponding sheet metal certificate.
· Find out the transport agency and shipment tracking number.

CONTACT

Through the application, and from each order, you can get in touch with the responsible technician by filling out a form. You will receive a response as soon as possible.

EXCLUSIVE APP FOR LASERGRAN CUSTOMERS

LASER CUTTING
SHEET METAL AND TUBE

HIGH SPEED AND PROFITABILITY

We are committed to and invest in the acquisition and renewal of the best machinery available on the market, always accessing the best technological advances available to date.

These advances are mainly reflected in improved cutting speed (much higher for some thicknesses) in higher cutting quality for thick materials, and in the ability to cut other materials (copper, brass and titanium).

The possibility of machining tubes with such an effective and precise tool as laser cutting has revalued and popularized the manufacturing of parts from tubes and commercial profiles.

Machining tubes and profiles with old and/or traditional techniques (sawing, drilling, milling) has now been practically ruled out. Laser cutting allows for very reduced manufacturing costs and almost unlimited machining possibilities.

12 LASER CUTTING CENTERS

· 2 24,000 W fiber machines with 3000 x 1500 mm work area (latest generation).
· 1 12,000 W fiber machine with 4000 x 2000 mm work area (latest generation).
· 4 12,000 W fiber machines with 3000 x 1500 mm work area (latest generation).
· 1 10,000 W fiber machine, 2 cutting heads and 12,000 x 3,000 mm work area (large format).
· 1 10,000 W fiber machine with 3,000 x 1,500 mm work area (latest generation).
· 1 8,000 W fiber machine with 4,000 x 2,000 mm work area.
· 1 4,000 W fiber machine for tube with maximum diameter 254 mm and 9,200 mm length (large format) with beveling head and motorized tools for drilling, threading and countersinking.
· 1 6,000 W fiber machine for tube with maximum diameter 150 mm and 6,300 mm length with motorized tools for drilling, threading and countersinking.

LASER CUTTING FEATURES

CUTTING CAPACITIES

· Carbon steel cutting up to 50 mm.
· Stainless steel cutting up to 50 mm.
· Aluminum cutting up to 40 mm.

BRIGHT EDGES

This cutting process enhances considerably the appearance on the edges of the thicker stainless steel parts (smoother and brighter).

ARTIFICIAL VISION

With this intelligent camera system, we can re-machine already-cut parts with complete precision.

COOLING DURING CUTTING

Ideal for avoiding deformations and improving the final quality of the cut, especially in thick parts with holes.

ADDITIONAL FEATURES

· Laser tube cutting guarantees quality and safety in processes.
· Possibility of making intersections, joints, articulations, precise cuts, etc.
· Capacity to machine round, square, rectangular tubes, beams, angle profiles, and other profiles.
· Cost-effective even for small quantities.

PLASMA CUTTING AND OXY-FUEL CUTTING

SHEET METAL AND TUBE

We offer you a powerful machine for oxy-fuel cutting (torch cutting) and high-definition plasma cutting, equipped with:

· **Kjellberg Hifocus 440 i**, the best plasma generator on the market.
· Lathe for machining medium to large-sized tubes and beams.
· Beveling head.

The new plasma cutting technologies provide:

· External and internal cuts similar to laser quality, even with hole diameters smaller than the material thickness.
· Suitable for cutting carbon steel, stainless steel, and aluminum up to thicknesses of 50 mm.

PLASMA AND OXY-FUEL CUTTING FEATURES

PLASMA CUTTING CAPACITY

Carbon Steel
High-quality Hifocus up to 50 mm.

Stainless Steel
High-quality Hifocus up to 50 mm.

Aluminum
Good quality up to 40 mm. Maximum 60 mm.

Tube Cutting
Thicknesses up to 50 mm.
Diameter 600 x 16,000 mm length.

OXY-FUEL CUTTING CAPACITY

For greater thicknesses up to 200 mm.

WATERJET CUTTING
FLOW MACH 500

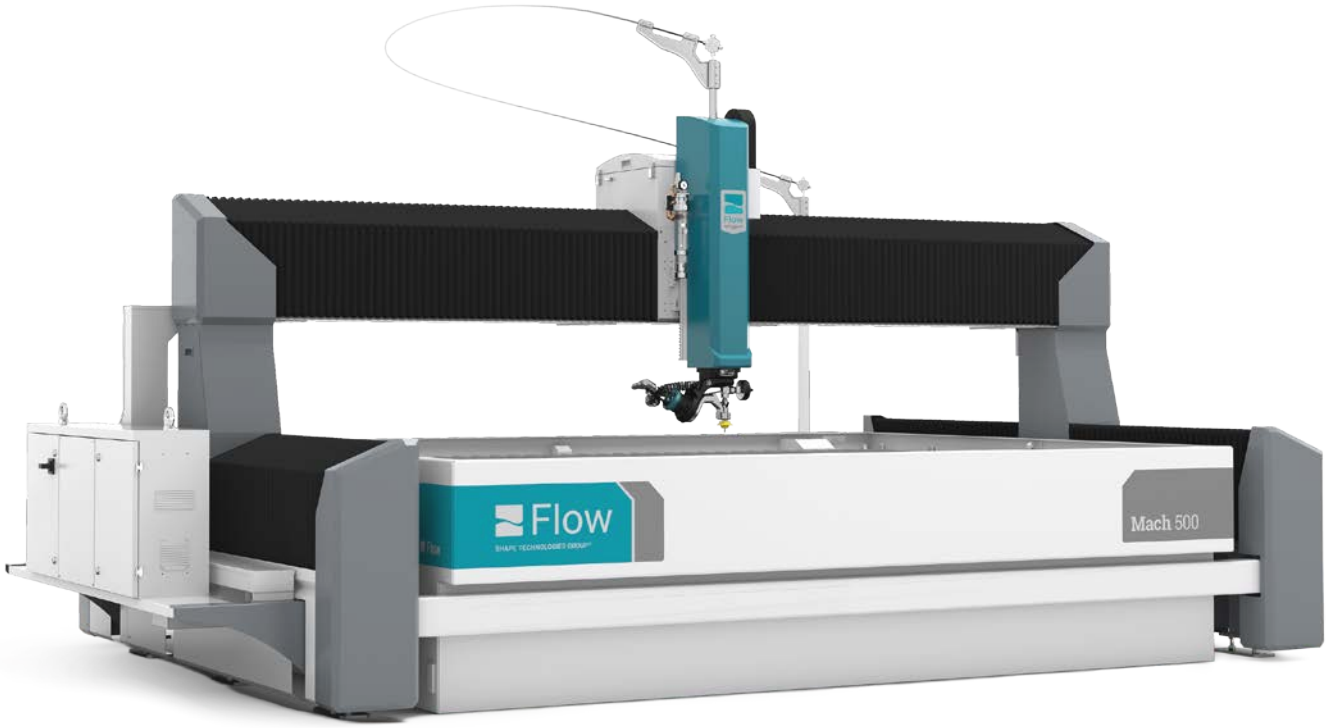
We continue investing in technology to provide the best possible service to our customers.

We have a high-pressure waterjet cutting machine:

Model **Flow Mach 500 4020**.

- Equipped with a Dynamic Waterjet (DWJ) cutting head and a 6,500 bar high-pressure pump to offer greater productivity and quality.
- Sheet cutting dimensions up to 2,000 x 4,000 mm and thicknesses up to 250 mm.
- Unprecedented quality and level of detail, meaning that depending on the application, it may not require a subsequent finishing process.

The waterjet cutting technique is especially interesting for materials that may be affected by heat. Furthermore, it is not limited to metal sheets; new materials can be incorporated such as: plastic, glass, wood, marble, carbon fiber and fiberglass, composite materials, etc.



Flow Mach 500 4020 machine

WATERJET CUTTING FEATURES

Dimensions
Up to 2,000 x 4,000 mm.

Thickness
Up to 250 mm.

Material variety
· Metal.
· Plastic.
· Glass.
· Wood.
· Marble.
· Carbon fiber and fiberglass.
· Composite materials.

PRECISION BENDING
UP TO 8 M

All processes for manufacturing a quality part are important, but when we focus on the bending process, we realize that in addition to having the best bending machines on the market, it is essential to have the best operators.

OUR FLEET: 21 BENDING MACHINES

· 1 Machine of 8 m and 600 Tm.

· 4 Machines of 4 m and 250 Tm.

· 1 Machine of 4 m and 200 Tm.

· 1 Machine of 4 m and 150 Tm.

· 1 Machine of 3 m and 200 Tm.

· 9 Machines of 3 m and 150 Tm.

· 1 Machine of 3 m and 100 Tm.

· 1 High-speed machine of 1 m.

· 1 Bending cell.

· 1 Salvagnini Panel Bender.

Salvagnini P4L-3125 Panel Bender

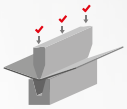
BENDING TECHNOLOGY

> Automatic thickness measurement

Bending calculations are corrected during the process depending on irregularities in material thickness.

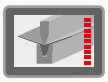
> Integrated process control

Automatically measures sheet springback and corrects the angle in real time.



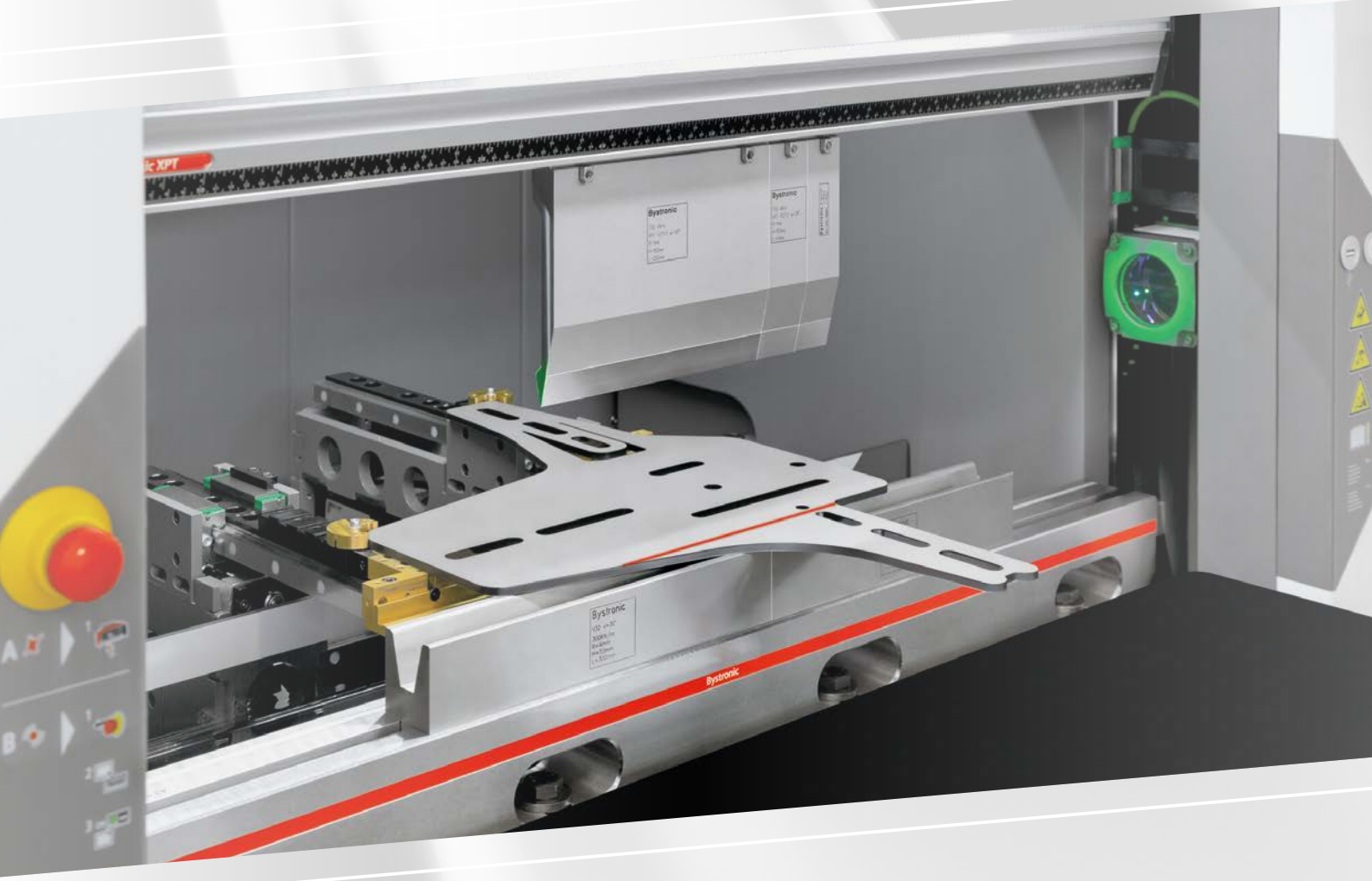
> Dynamic hydraulic crowning

A critical system that ensures long parts maintain consistent bending along their entire length, preventing under-bending in the center.



> Automatic pressing precision control

The pressing pressure regulation is dynamic during bending. If the shape of the part requires different bending forces, the machine will act automatically.



PARTS MACHINING

At Lasergran, we are committed to finding technical solutions, both in machining processes and in management processes for the industrial sector, in accordance with new technologies and materials. In this way, we can effectively undertake the work entrusted by our clients in the shortest possible time.

We have 50 years of experience in manufacturing processes through machining, which establishes us in the sector, making us a benchmark for companies in the area, with the premises of good workmanship, quality of the finished part, delivery deadlines, and a clear vocation for customer service.

MACHINING SERVICES

RESOURCES

We have modern machining centers, CNC lathes and milling machines, as well as a complete set of conventional machinery to carry out any order.

INDUSTRIES WE SERVE

We manufacture precision parts for clients across diverse sectors, including capital equipment manufacturers, food processing, steel production, and many others.

QUALITY

We offer maximum quality in our products, punctuality in delivery deadlines, and a considerable reduction in production costs.

MANUFACTURING OF SEMI-FINISHED AND FINISHED PRODUCTS

We manufacture everything from a single part to the most sophisticated machinery

Thanks to our loyalty program, our customers can benefit, among other things, from the possibility of manufacturing and assembly of semi-finished and finished products.

The extensive range of services we offer at Lasergran and our constant commitment to providing the highest quality increasingly encourages our clients to entrust us with projects in all their phases, from parts manufacturing to the final assembly of the product, including:

· Laser cutting.
· Plasma and oxy-fuel cutting.
· Waterjet cutting.
· Bending.
· Machining.
· Surface finishes.

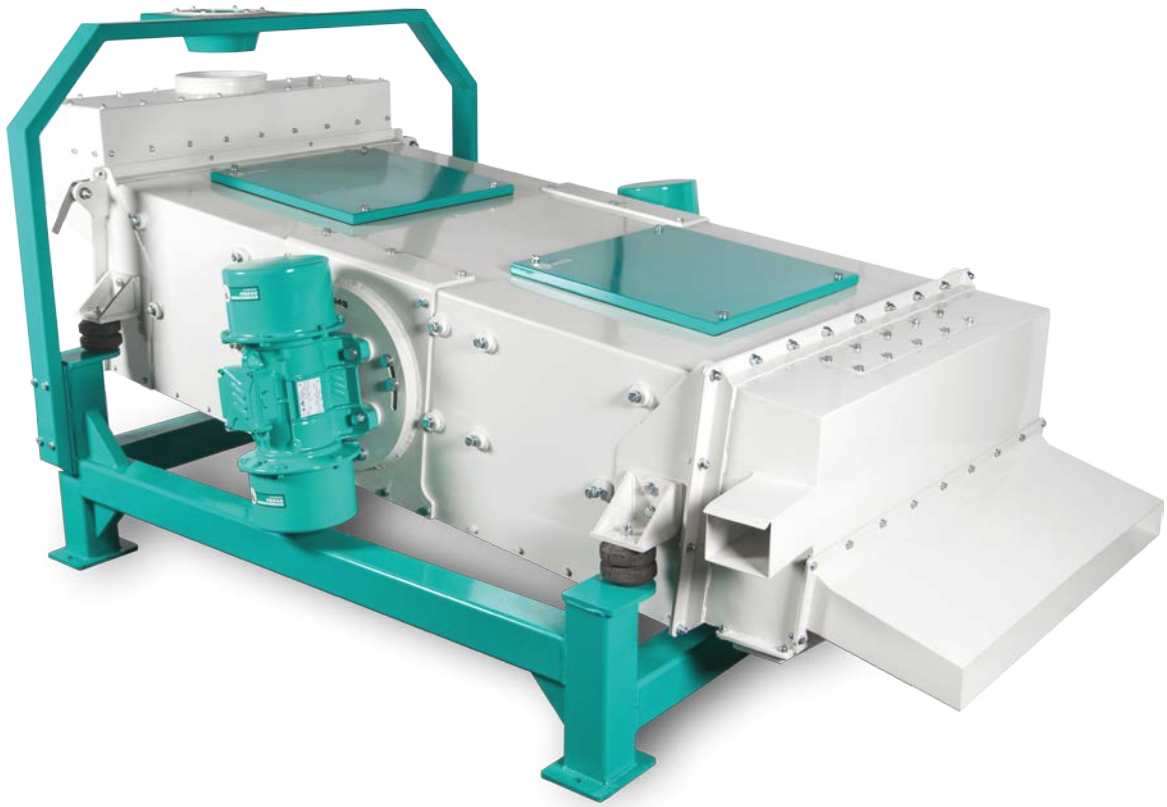
Within the final assembly, we can add assembly work, including the fitting of commercial components such as:

· Bearings.
· Transmission and power elements (motors, gearmotors).
· Pneumatic and hydraulic components.
· Electrical and electronic equipment.

Semi-finished parts manufacturing

PROCESSES

· Structural Steel Certification UNE-EN 1090-1.
· Placement of electrowelded and riveted inserts.
· Welding with electrode, MIG, TIG, resistance spot welding, and oxyacetylene welding.
· Welding with pulsed arc machines.
· Punching and continuous drawing work.
· Different roller bending machines for thin and thick sheet metal.
· Fitter mechanics to perform final assemblies.
· Specialists in pneumatics, hydraulics, electricity and electronics.



Every job is performed using our own
personnel and equipment at our facilities,
never subcontracted to third parties

SURFACE FINISHES

We have a plant for painting parts with oven-baked powder coating. This plant is equipped with:

· 4-stage treatment tunnel, 30 m in length, for:

  · Washing and degreasing with alkaline base and surfactants.

  · Rinses with osmotized and demineralized water.

  · Nanotechnology-based conversion process, free of heavy metals, which generates conversion layers based on zirconium oxides and silanes, improving corrosion resistance and guaranteeing paint adhesion to the part.

· Drying tunnel, 17 m in length.

· Painting booth with rapid color change.

· Curing oven, 27 m in length.

SURFACE FINISHING SERVICES

- Oven-baked powder coating.
- Liquid paint in spray booth.
- Fine shot blasting for stainless steel.
- Coarse shot blasting for carbon steel.
- Deburring, sanding and satin finishing work on automatic machine.
- Tin plating.
- Nickel plating.
- Zinc plating.
- Anodizing.
- Hot-dip galvanizing.
- Heat treatments.

We provide an extensive selection of surface finishes, material coatings, and corrosion protection technologies

QUALITY ASSURANCE

Lasergran pursues a proactive, ongoing strategy built on systems, processes, and actions designed to meet specific customer requirements. This includes continuous process improvement and a proprietary quality management system based on the UNE-EN ISO 9001 standard.

Our dedicated Quality Department ensures compliance with company policies, adapts standards to our specific product applications, and establishes criteria for proper supervision and control throughout the manufacturing process.

We provide a quality guarantee and adhere to the most rigorous requirements

OUR CERTIFICATIONS

Quality management systems UNE-EN ISO 9001

Lasergran has implemented a quality management system as a strategic decision to improve its overall performance and provide a solid foundation for sustainable development initiatives. The benefits that this effective system offers us are:

· Improve customer satisfaction.
· Improve process integration.
· Maintain a culture of continuous improvement.
· Minimize rejections and incidents in production.
· Greater operational efficiency.

Environmental Management System UNE-EN ISO 14001

Lasergran considers environmental commitment essential to meet the needs of the present without compromising the ability of future generations. Therefore, our objective is sustainable development through the implementation of our environmental management system based on the requirements of UNE-EN ISO 14001.

Occupational Health and Safety Management System ISO 45001

The application of the ISO 45001 standard helps us identify, prioritize and manage occupational health and safety as part of our normal business practices. The standard enables us to establish, maintain and improve this management system.

Execution of Steel Structures UNE-EN 1090-1

Lasergran is certified for the CE Marking of structural steel components according to execution classes EXC1, EXC2, EXC3 and EXC4, depending on the use of the structure, the type of stresses it supports, and the materials from which it is manufactured.

Lasergran meets the requirements defined in the UNE-EN 1090-2 standard for execution class EXC4, verifying the thermal cutting process capability by evaluating cut surface quality (perpendicularity, roughness and hardness.

Welding of Railway Vehicles and Components UNE-EN 15085-2

Lasergran holds certification for welding of metallic materials for the manufacture, modification and testing of railway vehicles and welded components (including spare parts), applicable to all welded assemblies, subassemblies or parts according to classification level CL 1, execution class CP B2 and inspection class CT2 to demonstrate the required quality.

Quality Requirements for Fusion Welding of Metallic Materials UNE-EN ISO 3834-2

Lasergran complies with the quality requirements for fusion welding of metallic materials and guarantees quality throughout its process, as well as in welded products, through certification under the UNE-EN ISO 3834-2 standard.

QUALISTEELCOAT

Lasergran holds the prestigious Qualisteelcoat quality mark to guarantee high-efficiency organic powder coating systems, designed to achieve excellent corrosion protection and durability.

Lasergran has demonstrated compliance with the most demanding Qualisteelcoat specification requirements for powder coatings in corrosion and durability categories C4H on steel surfaces and C5H on continuously galvanized steel surfaces.

To comply with the periodic controls required by the Qualisteelcoat quality mark, we have our own laboratory where we perform neutral salt spray tests (ISO 9227), direct impact resistance (ISO 6272-1), cross-cut test (ISO 2409), dry film thickness (ISO 2808), specular gloss (ISO 2813), colorimetry (ISO 11664-4) and thermography.

EXPRESS DELIVERY

At Lasergran, we partner with leading transportation companies that provide daily pickup, 24-hour delivery, and highly competitive contracted rates.

We also maintain a large fleet of our own trucks and independent carriers who connect our facilities with cities across the country every day, delivering goods directly to our customers with no transshipment. This service ensures your orders arrive on time and in perfect condition.

24h SHIPPING
Always faster
Want it now? Get it now

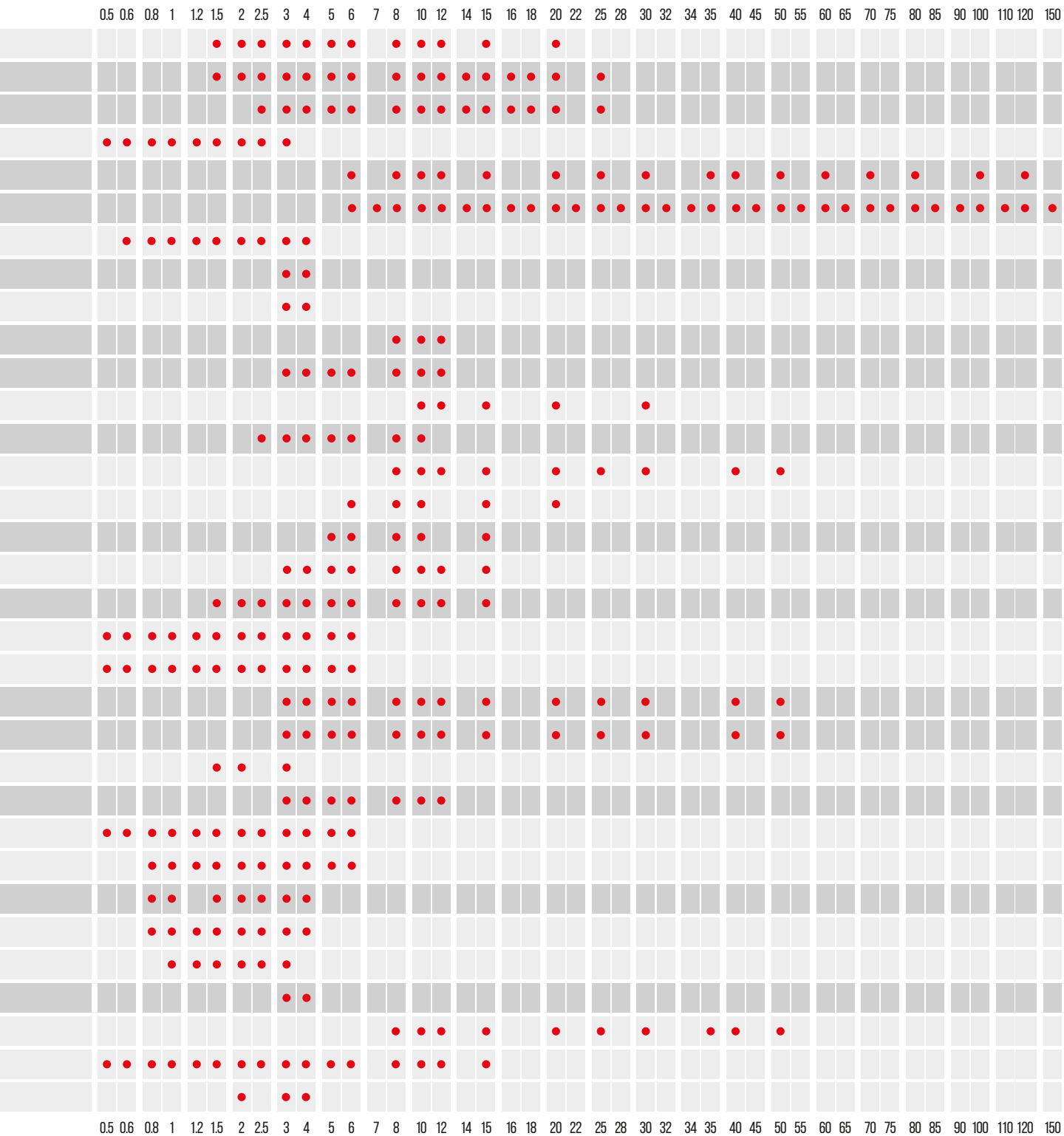
Own fleet – 24h delivery

PERMANENT STOCK

We have an extensive stock of more than 10,000 tons of sheet metal, classified into more than 400 references, located in an automated warehouse that is permanently at your disposal.

Type of Metal	Designation	Grade
Steel for manufacturing of parts High quality laminated sheets, best material for laser cutting. Coming from coils (pickled, black, cold rolled and galvanized sheets). **Coiled Steel sheets - available stock** Width: 1,000, 1,250, 1,500 and 2,000 mm, lengths up to 12,000 mm. **Industrial Steel plates (large dimensions), available specially for shot blasting and painting** Best choice for plasma and oxy-fuel cutting. **Industrial Steel plates - available stock** Width: 2,000 and 2,500 mm, lengths up to 13,500 mm.	Pickled sheet	S275JR
	Black rolled sheet	S275JR
		S355J2+N/S355MC
	Cold rolled sheet	DC01
	Hot rolled sheet	S275JR
		S355J2+N
	Galvanized sheet	DX51+Z140/Z275
	Hot rolled floor sheet – drop marks	S235JR
	Hot rolled floor sheet – stretch marks	S235JR
Special Steel plates	High elastic limit plate	S420MC
		S700MC
	High elastic limit plate (wider)	S700MC
	Abrasion resistant plate	400/450 HB
	Abrasion resistant plate (wider)	400/450 HB
		500 HB
	Wear-resistant boron steel sheet EN 10131	EN 10131
	F-114/C45 sheet	F-114/C45
	Anti-corrosion sheet Corten	S355J2W
Stainless Steel	Cold rolled stainless steel sheet	AISI 304
		AISI 316
	Hot rolled stainless steel sheet	AISI 304
		AISI 316
	Ferritic stainless steel sheet (gloss or matte finish)	AISI 430
	Heat resistant stainless steel sheet (hot or cold rolled)	AISI 310
	1-sided mirror polished stainless steel sheet	AISI 304
		AISI 316
	Cold rolled stainless steel sheet + 1-sided PVC	AISI 304
	1-sided satin finish stainless steel sheet	AISI 304
		AISI 316
	Teardrop stainless steel sheet	AISI 304
Aluminium	Aluminium sheet	5083
		5754
		Checkerboard

Thickness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