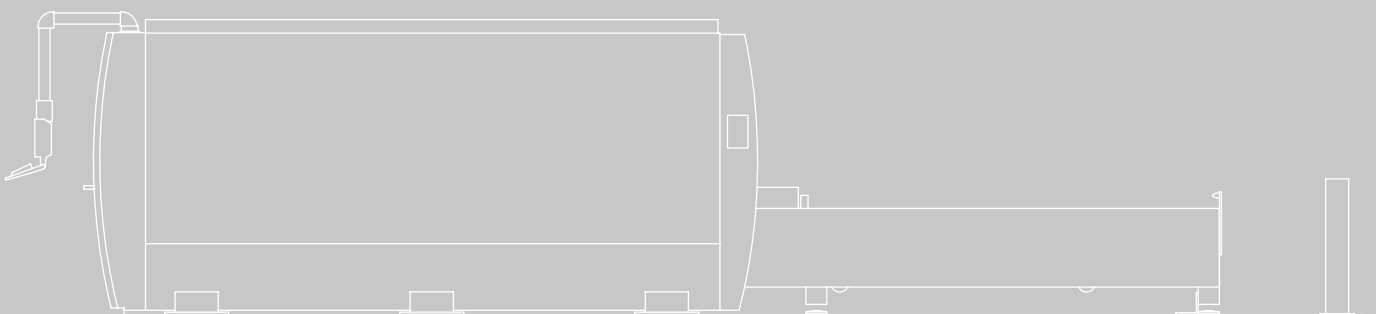


Bystronic

efficiency in laser cutting

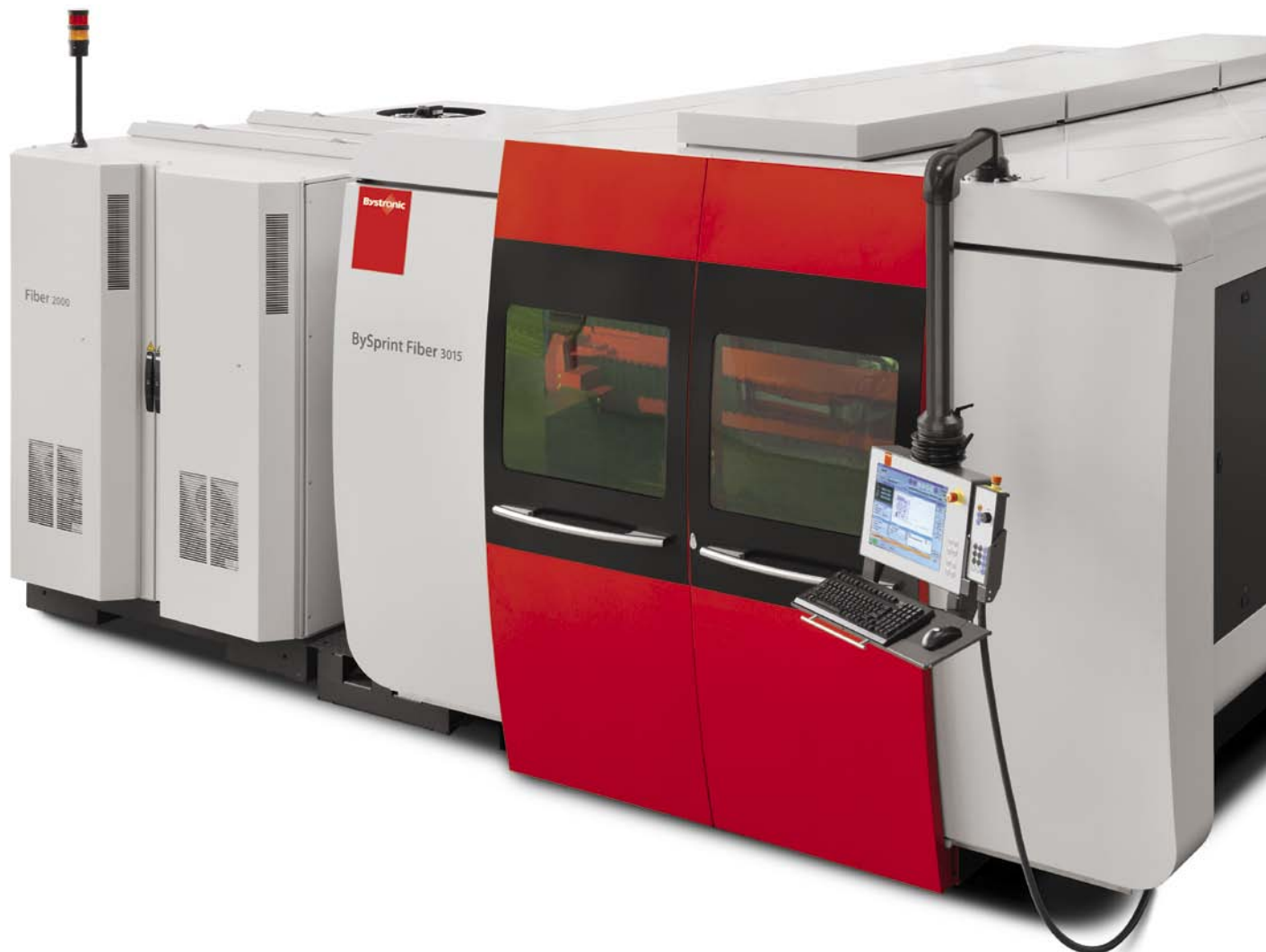
BySprint Fiber

Speedy laser cutting system with high-tech fiber laser for the economical processing of thin metal sheets



BySprint Fiber – speedy, undemanding, profitable, and economical

The BySprint Fiber laser cutting system is the speedy sprinter in the Bystronic portfolio. It ensures unprecedented parts output in the thin metal sheet range and the greatest parts precision. The user also profits from the greatest energy efficiency thanks to the undemanding high-tech fiber laser combined with mature machine technology. Anyone who wants to cut parts not just unusually economically but also in ecologically friendly fashion will find the BySprint Fiber to be the optimal machine system.





Important components

The perfect coordination of individual components that are proven and attuned to one another forms the base for a first-class machine system. "Everything from a single source" is the successful Bystronic principle, which is also brought to bear in the BySprint Fiber laser cutting system.



Fiber 2000 laser source

The two-kilowatt Fiber 2000 fiber laser impresses with its extremely low operating costs. The operating costs are low thanks to the undemanding fiber laser technology and the high efficiency of the laser source.



Cutting head

The cutting head of the BySprint Fiber was developed especially for fiber laser applications. It supports the cutting technologies used optimally. The nozzle is cleaned automatically.



Operator terminal

On the touch screen of the operator terminal, only the functions that are required at a given moment are made available. Thus the menu guidance is easy and user-friendly. The terminal and the user interface are designed strictly according to ergonomic standards.



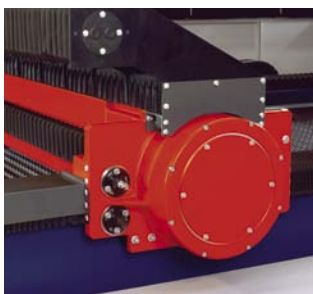
ByVision high-performance control

Bystronic's ByVision high-performance control sets standards with respect to simplicity and speed. Even large cutting plans can be transferred to the machine within a few seconds. The hardware components are located in a single, compact box, which can be exchanged during maintenance work in the shortest possible time.



Bysoft CAD/CAM software

Bysoft is the CAD/CAM software package developed by Bystronic for cutting and bending. Optimally attuned to Bystronic systems, this software ensures the fullest possible implementation of the cutting and bending technologies used. Bysoft is user-friendly and practically oriented and it supports work preparation ideally with quick programming. The user's work becomes easy thanks to customized functions and a system structure that extends across all software modules.



Drive

The dynamic drive via direct drive motors also guarantees high RPM and acceleration values even at low speeds. The result is fast and precise positioning. This factor, together with the very high cutting speeds achieved, ensures that the BySprint Fiber can cut more parts than could ever be cut before.

Expansion possibilities

- Handling and automation solutions, especially automatic sheet loading and unloading, automatic parts sorting, automatic sheet storage
- Various grates

Service & Support

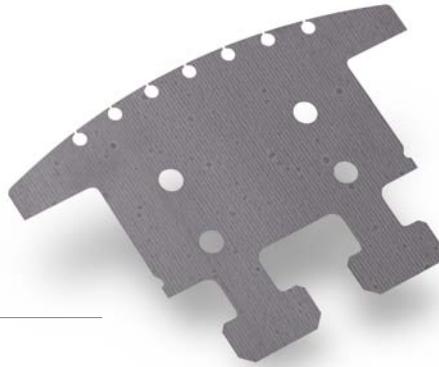
Bystronic's proven technology and extensive expertise produce systems that are extremely reliable. With its global network of specialized service and training experts and comprehensive spare parts inventories in the local markets, Bystronic guarantees that it will support what it sells. In addition to maintenance, spare parts delivery, and repair services, customers are also offered training programs as well as hardware, software, and operational support so that they are in a position to use all the possibilities of the systems for their competitive advantage.

Areas of application

The speedy BySprint Fiber laser cutting system is at home when it comes to the processing of thin metal sheets up to 0.040 inch. There it offers the shortest cutting times and the highest precision. The Fiber 2000 fiber laser source with two kilowatts output power also has enough potential to be able to process sheets up to 0.500 inch.

Electronics industry

Rotor element
0.030 in, transformer plate



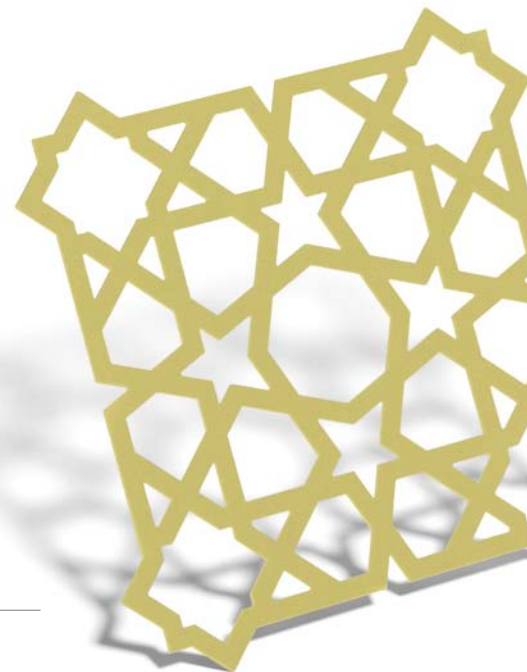
Machine and system construction

Cover for selector buttons, elevator
0.040 in, stainless steel



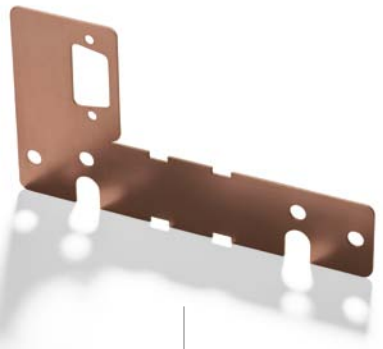
Furniture manufacturing

Decorative element
0.040 in, brass

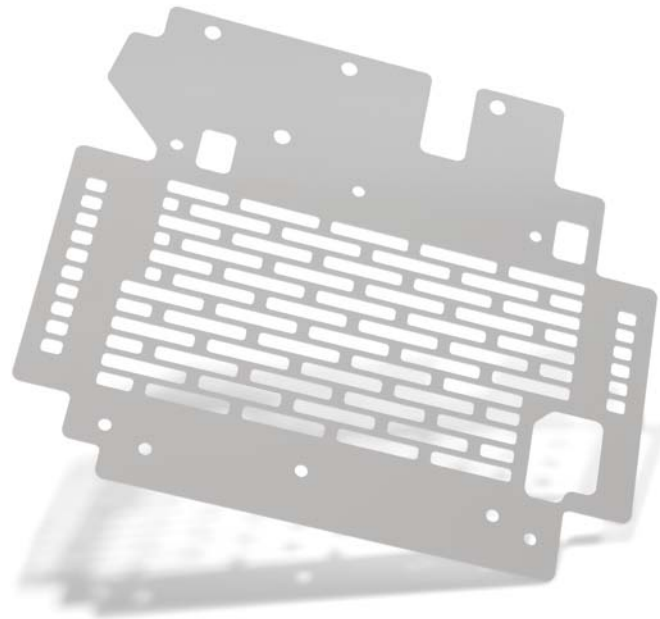




Machine manufacturing
Carrier
0.300 in, mild steel



Electronics industry
Connector plate
0.040 in, copper



Machine and system construction
Control electronics cover
0.060 in, aluminum

Customer benefits

- Unprecedented parts output in the thin metal sheet range thanks to high-tech fiber laser combined with mature machine technology
- Highest energy efficiency and the simplest of beam paths lead to low operating and servicing costs
- Minimum space requirement
- Flexibility in the thin metal sheet range; non-ferrous metals can be processed
- Process reliability: unique protection window sensor for worry-free operation
- Optimal access and highest safety combined with an attractive design
- Extremely high dynamics supported by an ideal drive and CNC concept
- Simplest parts and cutting plan programming
- Automatic application of engravings and part labeling

This brochure may show parts that are not standard equipment, but are available as options. For the better visibility of machine details, some safety covers may have been opened or removed for these pictures. The right to make changes to dimensions, construction, and equipment is reserved. For technical data, see separate data sheet.

Bystronic is a worldwide active supplier of application-oriented systems and services for the laser and waterjet cutting processes, as well as bending: economical, high-performance, reliable.

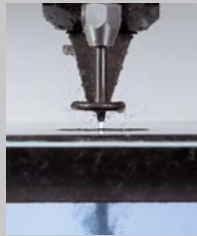
Best choice.



Laser cutting
Laser cutting systems for the innovative processing of a wide variety of materials and geometries



Bending
3-point and air bending machines for high-precision working of sheet metals



Waterjet cutting
Waterjet cutting systems for cutting metals, glass, synthetics, ceramic, and many other materials



Automation
High-performance handling and automation solutions from simple loading systems to fully automated laser production cell with integrated storage system



Software & Control
User-friendly programming and operation with requirement-oriented application programs and interfaces to CAD and ERP systems



Service & Support
Competence and customer proximity with after-sales support available worldwide: local contact persons, prompt delivery of spare parts, and professional training courses

Your contact

bystronic.com