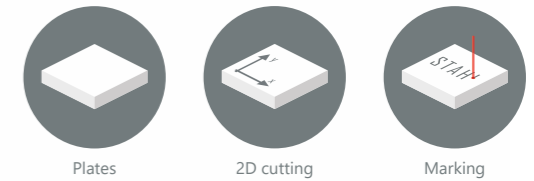


MSF Cut

Reliable 2D performer for laser cutting

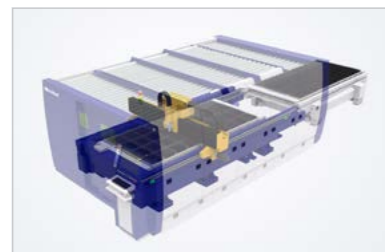


When it comes to precise and process-safe completion of 2D cutting tasks, the **MSF Cut** is the right choice. Because the laser for standard 2D tasks is a reliable performer and with its strengths focuses on precision, cost-effectiveness and efficiency. The new series for fast and precise sheet metal processing is available in three formats with working areas of 3,000 x 1,500 mm, 4,000 x 2,000 mm and 6,000 x 2,000 mm. Laser sources with a power of up to 8 kW are available.

High-quality brand components combined with MicroStep's proven smart control and software ensure high reliability and lasting reproducibility of the precise cutting results. Thanks to the attractive pricing with comparatively low investment and operating costs, a fast return on investment is given.



High-quality 2D laser cutting, process-safe & efficient



The MSF Cut is an efficient fiber laser cutting system that combines reliability, precision and economy. The modern 2D cutting system is available in different configurations:

- Three selectable formats with working areas of 3,000 x 1,500 mm, 4,000 x 2,000 mm and 6,000 x 2,000 mm also enable the processing of large-format sheets
- Laser sources ranging from 1 to 8 kW allow fast and efficient laser cutting of thin and medium material thicknesses

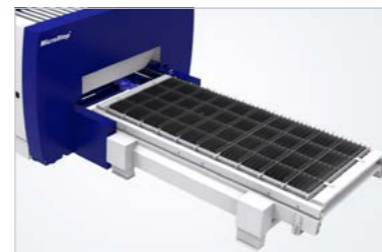
High-quality components from renowned brand manufacturers



High-quality brand components combined with MicroStep's proven smart control and software ensure high reliability and lasting process reliability of the cutting results. Here is a short excerpt:

- Laser source: IPG YLS/YLR (Germany) incl. cooler or nLight CFX (USA)
- Cutting head: THERMACUT EX-TRABEAM® ECO (Germany)
- Servo drives: Panasonic (Japan)
- Gearbox: Stöber (Germany)
- Racks: ATLANTA (Germany)
- Linear guides: BOSCH Rexroth (Germany)

Automatic shuttle table with sectional extraction



The fiber laser cutting system is equipped with an automatic, motor-driven shuttle table as standard. The shuttle table system consists of two movable cutting tables. These tables each change their position between the cutting area (working area) and the loading and unloading area (parking area). The table with sectional control of the suction zones ensures high efficiency during suction and helps saving energy costs.

Outstanding cutting quality - whatever the cutting job



The MSF Cut achieves outstanding cutting quality – regardless of the materials and component geometries to be cut. Due to special sensor technology integrated in the cutting head, high quality is achieved process reliably even in multi-shift operation.

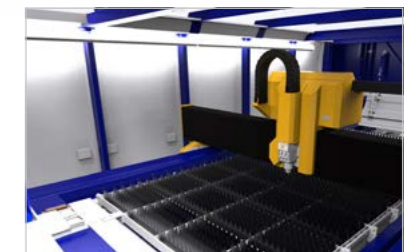
The fiber laser series enables 2D processing of mild steel, stainless steel, aluminum, brass and copper, among other materials. Depending on the laser source and material, thicknesses of up to 25 mm can be processed efficiently.

More automation, more efficiency



Additional automation solutions are available for the MSF Cut laser cutting system for even higher efficiency. MSF Cut can be used with all sheet handling systems offered by MicroStep: a combination of the fiber laser with the as standard integrated automatic shuttle table with MSLoad & MSTower & MSSort is possible. These are custom-fit solutions for loading and unloading as well as storage of sheets or sorting of cut parts. A combination of highly efficient production helps to get the absolute maximum out of any line.

Efficient processing with a high degree of automation



Several smart tools help to achieve consistently precise and efficient 2D cuts. Not only does the shuttle table system enable automated loading and unloading, but even more functions for optimal straight cuts are automated. Among others, the optimization of the cutting tool movement, the automatic removal of the protective foil covering the sheet in the cutting area or the automatic calibration of the material distance sensor in the cutting head. The operation is standard on the 24" touch screen with MicroStep's advanced control system iMSNC®.