



THE PERFECT COMBINATION OF PERFORMANCE AND SAFETY IN LASER CUTTING

Process standard sheets economically and precisely

Groß-Umstadt, Germany, 2025.07.14

With the FIBERBLADE GU, Messer Cutting Systems presents a powerful and high-precision 2D laser cutting machine specifically designed for processing standard sheet metal formats. It combines modern laser technology with high process reliability, stability, and efficiency – and is aimed at companies that value a durable, economical, and safe cutting solution. With its robust design, flexible application options, and user-friendly operation, the FIBERBLADE GU represents a future-proof solution for the market.

"The FIBERBLADE GU combines what metalworking companies need: precision, cost-effectiveness, and maximum safety. It is the answer to the increasing demands in laser cutting," explains Abraham Balendran, Product Manager at Messer Cutting Systems.

Highest cutting performance – with full control

With four selectable laser power levels (6, 12, 20, and 30 kW) and four sizes (3015, 4020, 6025, 8025), the FIBERBLADE GU can be flexibly adapted to a wide variety of production scenarios. The machine effortlessly processes mild steel, stainless steel, and aluminum – even with thicker materials. The various models cover cutting areas from 3,000 x 1,500 mm to 8,000 x 2,500 mm. Proven components such as the Precitec ProCutter 2.0 ensure precision and reliability.

"Whether simple cuts or complex contours – the FIBERBLADE GU delivers reproducible results of excellent quality, all at high speed," emphasizes Balendran. "This not only increases our customers' productivity but also their competitiveness."

The system achieves its excellent cutting results not least thanks to its low-vibration base. The FIBERBLADE GU's solid hollow-bed table construction ensures optimal stability and thus the most



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precise cutting surfaces. The one-piece aluminum bridge construction is characterized by high rigidity and low weight. This enables highly dynamic machining, which significantly increases throughput. The system operates with high acceleration and positioning speed – even for demanding cutting tasks. The parallel shuttle table also ensures smooth material changes, thus significantly reducing production time.

Ergonomic, user-friendly and safe

During the development of the FIBERBLADE GU, another focus was on intuitive operation and superior ergonomics: The large touchscreen ensures easy system control. The 21.5-inch screen for the four process and room monitoring cameras provides an optimal view of the work area and thus a perfect overview of the cutting process. The tested laser-safe enclosure reliably protects employees from laser radiation.

"The operating concept is deliberately designed to be user-friendly. Even complex cutting tasks can be performed quickly and safely – with a perfect overview of the entire process," explains Balendran. Thanks to its full compatibility with the OmniWin software, the FIBERBLADE GU can be seamlessly integrated into existing production processes and offers a flexible solution for modern metalworking companies.

Durable and easy to maintain

The FIBERBLADE GU also impresses with its ease of maintenance and high availability in continuous operation. Large inspection openings and ergonomic access to the slag pans facilitate maintenance work. Automatic lubrication of the sliding surfaces, sectional smoke and dust extraction, and the parallel shuttle table contribute to efficiency and durability.

The FIBERBLADE GU stands for powerful cutting with maximum safety. Its sophisticated design not only enables precise and economical cuts but also ensures completely safe operation – even at high laser powers and in demanding applications. "Minimal cutting costs with maximum laser quality – that is our goal with the FIBERBLADE GU," summarizes Abraham Balendran. "It is exactly the right choice for anyone who wants to reliably integrate 2D laser cutting technology into their processes."

RELEASE PRESS



Benefits at a glance:

- 21.5" monitoring screen for perfect process control
- 21.5" control touchscreen for intuitive operation
- Easy cleaning thanks to ergonomic access to the slag trays
- High laser safety thanks to tested laser safety enclosure
- Maintenance-friendly construction with large maintenance shafts
- Automatic lubrication for lasting precision
- High laser power up to 30 KW for thick materials
- Stable hollow bed table construction and aluminum bridge for precision
- Sectional double fume and dust extraction for clean working conditions
- High acceleration and positioning speeds for maximum productivity



Image 1: The FIBERBLADE GU ensures maximum performance and safety in laser cutting.

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Image 2: The FIBERBLADE GU combines state-of-the-art laser technology with a user-friendly interface.

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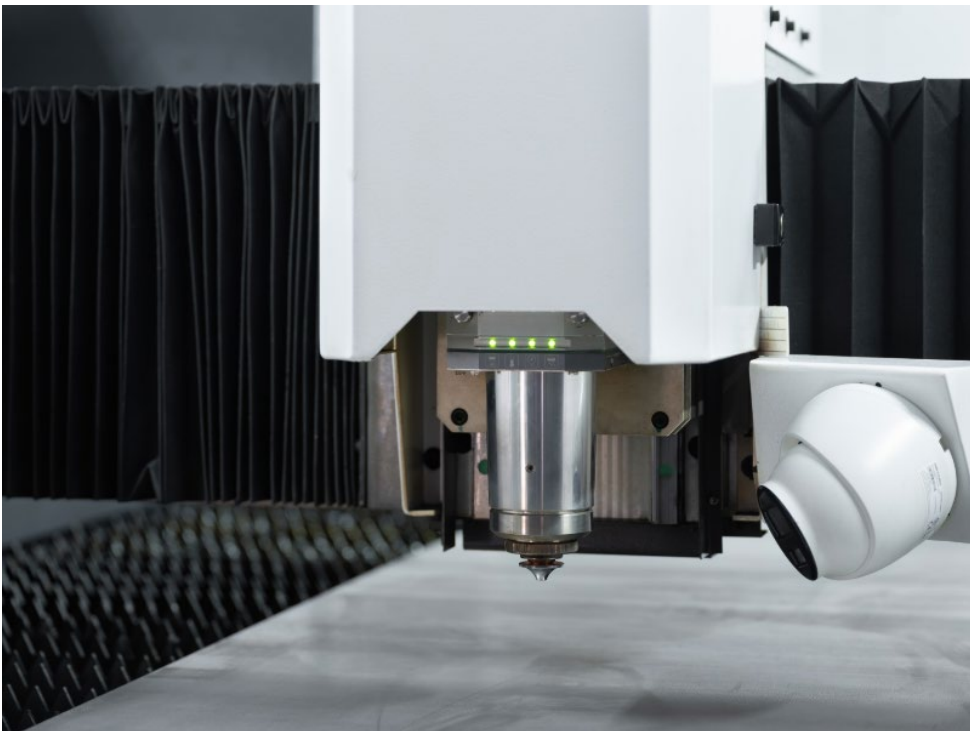


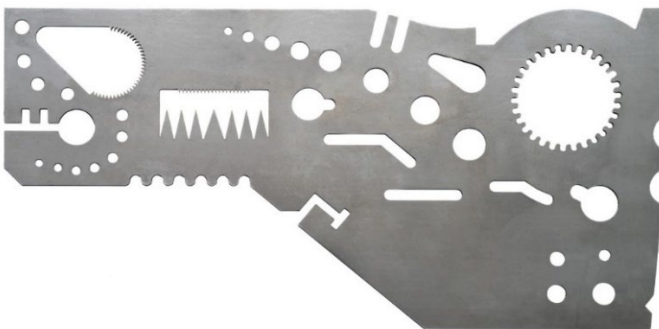
Image 3: Proven components such as the Precitec ProCutter 2.0 cutting head ensure precise and reliable cutting results.

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Image 4: The parallel change-over table ensures a smooth material change and thus significantly shortens the production time.



EXPERIENCE


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Image 5: The FIBERBLADE GU always delivers perfect results – for delicate contour cuts in thin sheets, such as stainless steel with nitrogen cutting gas in 1 mm thickness (top) or 8 mm (bottom) and also...

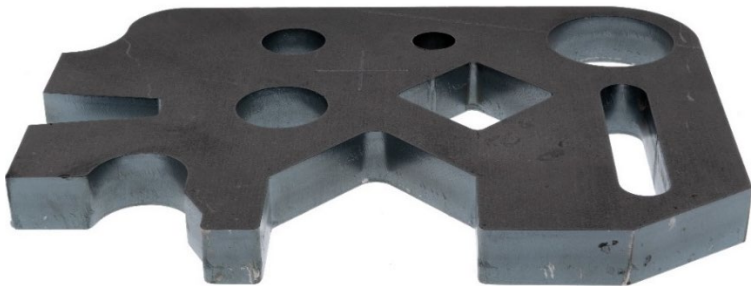


Image 6: ...for simple cuts in thick materials, such as 20 mm thick mild steel (cutting gas oxygen).

Pics: Messer Cutting Systems

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WHAT WE STAND FOR

CREATING SOLUTIONS BEYOND MACHINES

Messer Cutting Systems is a global provider of cutting-edge technology for the metalworking industry. With almost 1.000 employees worldwide in over 50 countries, we are in constant dialogue with our customers to create sustainable, user-oriented innovations.

Our portfolio encompasses the areas of PRODUCT, DIGITAL, SERVICES, AUTOMATION, and KNOW-HOW. We live up to our claim of "Creating Solutions Beyond Machines" not only with state-of-the-art cutting systems and solutions for oxyfuel technology.

Suitable services and training, our own software applications, and the integration of solutions from our technology partners, e.g., in the field of automation, complete the machine to create future-oriented, complete solutions.

Our expertise, combined with our customer-focused approach and actions, makes us the partner of choice worldwide for innovative, complete solutions for cutting systems. For more than 125 years.