



## BLM GROUP presents the new LS7 at Lamiera trade show

At Lamiera exhibition, BLM GROUP is presenting the latest version of its LS7 sheet metal laser cutting machine combined with an automatic loading and unloading system. The system has been upgraded to increase its power capacity to a 20-kW laser source, while maintaining its original features: high-quality cutting, ease of use and ultra-fast pallet change.

LS7 allows a wide range of metals, including stainless steel, iron, aluminum or copper, to be processed with high and consistent quality. The laser machine integrates into the production process with all the advantages of fiber lasers: low energy consumption, low maintenance and cutting of highly reflective materials.

### **A system designed for continuous processing**

LS7 has been designed with several solutions to increase the degree of autonomy and performance of the system. LS7 can, in fact, be equipped with:

- Gas mixer: a device that mixes different assist gases to increase speed and cutting quality.
- Automatic 18-position nozzle change: makes nozzle changes automatic and monitors their wear status, optimizing operators' work.
- Active Sense: intelligent process control that automatically adapts cutting parameters to cope with any unevenness in the material.

### **Cutting quality**

The laser cutting head automatically adapts internal optics to material thickness, and head edge sensors monitor working conditions to ensure clean and accurate cutting over time. A wide range of features for unattended production and cutting process optimization are optionally available on LS7.

### **Ease of use**

The LS7 represents an advanced and versatile solution for sheet metal laser cutting, combining high productivity, energy efficiency and ease of use. Its simple and intuitive interface allows even less experienced operators to start production in a few simple clicks and monitor machine operation. Whether cutting in nitrogen, oxygen, gas mixer, or compressed air, it is easy to set up the machine and go into production.



### **Automation: the key to increasing productivity**

The Lamiera Fair will also feature an automatic sheet metal loading and unloading system. A solution designed to simplify the operator's work and increase plant productivity. This type of automation is equipped with an automatic system for sheet metal peeling and thickness control, which ensures the correct detachment of the raw material, and scratch-resistant belts to preserve the quality of the material. The compact system feeds the laser machine with new sheets and picks up the processed sheets automatically. It can be combined with a single tower that can be retrofitted after the initial installation.

Alternatively, the machine can be equipped with a compact tower for material feeding and storage. The compact tower has an innovative feature of free access to the pallet changer. The loading pallet can be lifted to allow the operator to feed the laser machine pallet directly in the event of urgent batches or material out of specification. Both single tower and compact tower systems allow continuous 24-hour, safe processing.

BLM GROUP will exhibit its solutions in Hall 13, booth D07.