



## BLM GROUP presents LS7 at STOM 2023

BLM GROUP history talks about technology, passion and service. For over 60 years BLM GROUP has produced tube fabrication equipment (laser cutting, bending, endforming, sawing and end machining), combining both experience and innovation, to produce efficient and easy to use machines of the highest "Made in Italy" quality.

BLM GROUP sets itself up as a global partner for the whole tube processing, from laser cutting to cold saw, bending, end-forming, measurement, with a worldwide presence. This wide range of solutions is manufactured in dedicated production sites, with highest expertise and skill levels, established in more than 60 years work and experience in the tube processing and sheet metal laser technology, with thousands of applications all over the world. With more than 800 employees, and in order to have specific expertise and continue to develop them, BLM GROUP has consolidated their know-how into three different business segments, represented - in Italy - by the following companies:

BLM S.p.A. (parent company)

Specialised in the production of CNC-bending machines, end-forming machines, measurement systems and related automation and handling systems.

ADIGE S.p.A.:

Produces laser cutting systems and machines for disc-cutting tubes, solid pieces and sections. The range is completed with brushing units, measuring and washing systems and collectors.

ADIGE-SYS S.p.A.:

Manufactures 'mixed' cutting laser-cutting systems for pipes and sheet metal, plants for laser machining large pipes and lines for cutting and end cutting of tubes and bars.

We are BLM GROUP: <https://youtu.be/EpiQjS1Y2PI>

BLM GROUP presents their newest sheet laser cutting system at the Targi Kielce exhibition, showcasing its wide offering within laser cutting. STOM is the ideal venue to present the latest innovation of BLM GROUP, the new LS7, whose cutting speed and accuracy are key strengths. The system offers high productivity and ease of use and is provisioned with all the feature characteristic of premier systems of its class.

### **LS7: the new sheet laser cutting system by BLM GROUP**

BLM GROUP, the undisputed leader in the tube processing world with a long-standing tradition also in sheet system production, presents with LS7, a new, fully redesigned and optimized system to process sheet metal.

### **Main characteristics of LS7**

The LS7 was designed as an entry-level product in the high-end system segment, i.e. a product with all the features and functionality of a high-end system, but at an attractive price. It has a conventional aluminium mobile gantry structure actuated by a rack and pinion system, which slides



on a very strong metal structure, filled with polymer concrete to ensure high rigidity even with high accelerations up to 2G.

**Cutting area:** The cutting area has been designed to protect the bellows from the glowing sparks thrown in all directions, especially during piercing. Access is only from the short side and the entire machine remains completely enclosed for safety reasons related to the fiber laser source. The cutting process can be viewed by means of a camera, the image of which is visible on the operator console, on an additional external monitor and also remotely.

**Pallet change in 9 seconds:** The pallet change takes place on the long side in only 9 seconds thanks to a smart mechanical solution anticipating the simultaneous exchange of the two tables. Handling is fully electric, without pneumatic or hydraulic actuators.

**Versions:** LS7 is available in both 3.000 x 1.500 and 4.000 x 2.000 versions. Additional options include many loading-unloading automation solutions with one or two towers.

**Plug&Play:** The system is designed for easy transport. Installation takes just one week, including training.

#### **Automation and integration**

Perfect also for unmanned production thanks to the many sheet metal loading, unloading and storage solutions, that can be implemented now or later and the integration potential with the company network in an Industry 4.0 perspective.

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