



## BLM GROUP technological solutions presented at Tolexpo 2022

*Paris, May 2022.* The BLM GROUP will be present at Tolexpo in France, Hall 6, booth B71, showcasing a sheet metal laser cutting system and automatic tube bending. The event will be held from May 17<sup>th</sup> to the 20<sup>th</sup> in Paris and will bring together over 2,300 exhibitors.

"Customer satisfaction has always been the primary objective of the BLM GROUP," said Mauricio Gutierrez Matta, Global Business Development Manager of the Sheet Metal Division. "We are ready to welcome customers to Tolexpo, an international showcase where we will be able to present our wide range of products and innovative solutions fully equipped to meet the growing market needs. We are proud to be able to boast 35 years of experience in sheet metal laser cutting bolstered by continuous R&D investments.

We will be showcasing an LS5 fibre sheet metal laser cutting system and an E-TURN automatic tube bender with left and right-hand in-process bending capabilities.

### **LS5, the 12kW sheet metal laser cutting system, is ideal for unmanned operation 24 hours a day, 7 days a week**

LS5 is a high-end, fully automatic, flexible and productive sheet laser cutting system. It is equipped with an IPG fibre laser source of up to 12kW and a Precitec Zoom 2.0 head.

It is available in several configurations (3000 mm x 1500 mm, 4000 mm x 2000 mm and 6000 mm x 2000 mm) with an in-line or transverse pallet changing system.

The LS5 can be equipped with Active Tools, a compiled suite of cutting-edge technical solutions to achieve the best results in less time regardless of the operator's experience: Active Piercing for increased cutting performance on thicker material, Active Cool for improving the workpiece cutting quality using water cooling, Active Camera for helping the operator to make the most of the material by managing the nesting with a simple drag&drop method on the machine interface screen, and Active Nozzle Changing for automatic replacing of the cutting nozzle and monitoring of its wear whenever it is required.

The fully automated tube module can be quickly installed, even after purchasing the sheet module, while automatic sheet loading and unloading systems and magazine towers can be added at any time making this system extremely versatile and capable of adapting to the most diverse production needs.

LS5 VIDEO <https://www.youtube.com/watch?v=YuocgbqYfP8>



### **The first piece is right with the All-Electric E-TURN tube bending machine**

The E-TURN is an all-electric tube bender with the same cycle left-hand and right-hand bending capability and VGP3D graphic visual programming.

The E-TURN is extremely flexible. With the All-Electric technology, adjustments and bending technology parameters are saved in the software to guarantee repeatability and quick production changes, with no need for manual adjustments. Furthermore, B\_Tools calculates the amount of springback and material elongation during tube bending so that the first part of every production change is right from the start.

Thanks to the ability to bend leftwards and rightwards in the same cycle, E-TURN can produce an almost unlimited variety of geometric shapes on the tubes, eliminating the need to weld together several different components or to divide the bending process over several machines. This makes it the ideal solution for designer furniture and industrial engineering along with many other sectors where quality and repeatability of results must be combined with production flexibility.

E-TURN can be fed manually or automatically using a bundle loader, which can be positioned on the right or left side of the machine.

E-TURN VIDEO: <https://www.youtube.com/watch?v=th3F5mW-Z30&t=7s>

### **A complete software suite for managing your process technologies**

In parallel to processing systems, BLM GROUP offers a suite of native software programs that makes the most of the power of the equipment to provide users with excellent work performance and robust process features for programming both on the machine and in the office.

**VGP3D** is the three-dimensional graphic programming software for BLM GROUP tube bending machines and wire benders. Simple, user-friendly and powerful, the VGP3D is also available in an office version and allows the operator to create any shape or geometry with the tube with a few simple clicks.

**Protube** is the BLM GROUP production MES, a single interface for easy and transparent management of part programs for the main BLM GROUP machines. Protube can be used to prepare technologically precise work orders in the office, to efficiently plan production, send production orders to the connected plants and keep track of all operations. By applying artificial intelligence strategies and data interconnection with the customer's ERP, Protube is the key enabler for the evolution of smart Industry 4.0 applications.

MULTI TECHNOLOGY VIDEO [https://www.youtube.com/watch?v=2Swu\\_7MjeOA&t=66s](https://www.youtube.com/watch?v=2Swu_7MjeOA&t=66s)

### **Customer-oriented services with dedicated solutions**

The BLM GROUP can offer a wide range of services designed to accompany the customer throughout the lifecycle of the system to maintain the highest level of efficiency and machine availability.

The many services that the group offers include:

FOR MORE INFORMATION: <https://www.youtube.com/watch?v=FE0d3vkZbqk&t=32s>



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**Various maintenance plan levels.** Customers can choose the maintenance plan that best suits their production rate, plan operations so that you never interrupt production and increase the life of each machine by adopting specific activity schedules: Routine and/or supplementary maintenance and repair of faults and supply of spare parts.

Whatever the production context, the BLM GROUP has a complete range of solutions for machining tubes, sheet metal and any three-dimensional metal section, enhanced by dedicated software solutions and an array of services that provide customers with all-around support.

For more information:

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## BLM GROUP

BLM GROUP is the global partner for the entire tube machining process with a capillary worldwide presence and thousands of applications:

- BLM S.p.A., based in Cantù (CO), Italy, is specialised in the production of CNC tube bending machines, tube forming machines, measuring units and devices for automated integration.
- ADIGE S.p.A., based in Levico Terme (TN), manufactures systems for laser-cutting tubes and machines for disc-cutting tubes, solids and sections. The range is completed by brushing machines, measuring systems, washing systems and collectors.
- ADIGE-SYS S.p.A., based in Levico Terme (TN), specialises in the production of "mixed" laser-cutting systems for cutting tubes and sheet metal, systems for laser-processing large-sized tubes and end cutting and removing lines for tubes and bars.

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