



BLM GROUP

PRESS RELEASE



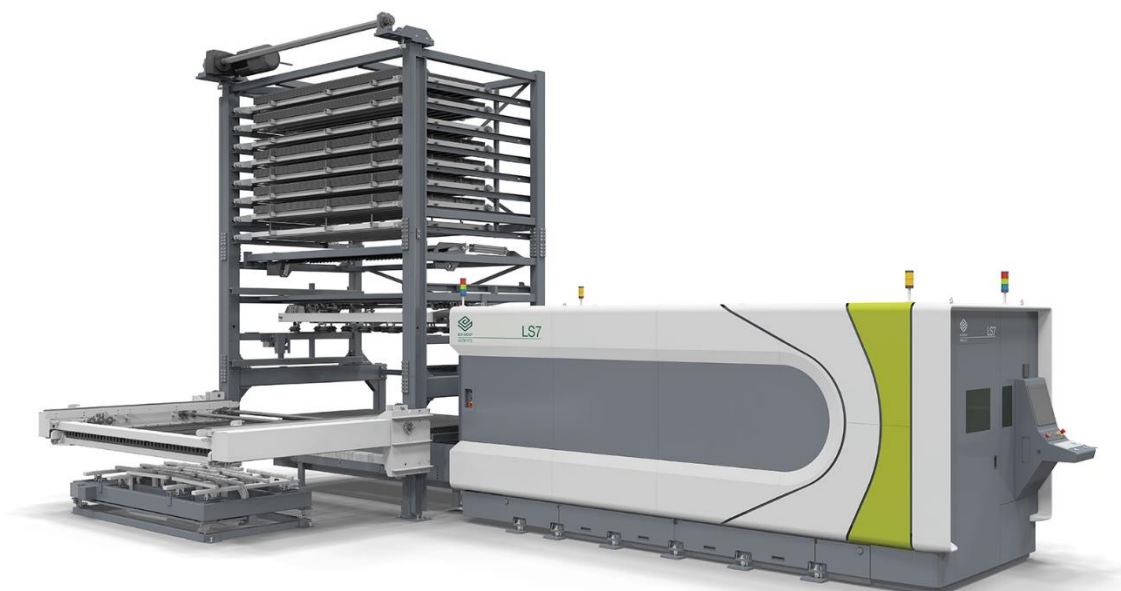
BLM GROUP at Blechexpo

BLM GROUP will be the key participant at Blechexpo 2023, the international trade fair for sheet metal working, scheduled November 7-10 2023 at the Stuttgart exhibition center, Hall 1, Booth 1609. Visitors will have the opportunity to touch the BLM GROUP technological solutions and deepen their understanding of the wide range of software and services we offer.

LS7: Automation and flexibility for sheet metal laser cutting.

LS7 is a laser cutting system designed specifically to meet the needs of intensive and continuous processing of sheet metal. Its greatest merits lie in the high level of automation and production flexibility.

The sensorized cutting head guarantees a qualitatively constant processing even in unmanned productions and signals the necessary cleaning or replacement of the optical protection slide, saving the operator periodic checks and unnecessary replacements.



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The fiber laser source is available in different powers up to 12 kW and can be equipped with a large number of technological options. Its wide configurability gives the freedom to select only what is appropriate for your production context.

LS7 stands out for its performance and ease of use, offering a lightweight structure but also a high mechanical rigidity that allows accelerations of the cutting head up to 20 m/s² (2g) during processing and an always precise execution of the trajectories.

The automatic pallet change system, among the fastest in the industry, reduces waits and increases the actual use time of the plant.

The LS7 at the fair is further equipped with a compact tower for loading, unloading and storing sheet metal that increases the machine productivity and allows unattended production.

VIDEO LS7: <https://www.youtube.com/watch?v=UpL53e7XOvM>

LT7: High-end Lasertube system, absolute reference in tube laser cutting.

LT7 is the result of years of investments in technological research and continuous development of innovative software and hardware solutions.

The machine is equipped with a fiber laser cutting source, available with an automatic loading system of 6.5 m or 8.5 m and unloading system for 4.5 m, 6.5 m or 8.5 m tube lengths.

LT7 can process workpieces from 12 mm to 152 mm in diameter, up to 23 kg/m in weight, maintaining excellent performance throughout the working range.

From the smallest to the largest diameter, all adjustments are automatic and even open profiles such as "L", "U" sections and strips are considered part of standard machining and treated fully automatically.



The fiber laser source allows wide maneuverability on different thicknesses and materials, ranging from 12 mm of mild steel to 4 mm of brass. 3D machining completes the picture of an extremely flexible system capable of spanning the most varied applications.

Productivity, quality, precision, flexibility, automation and ease of use. For each of these themes LT7 presents advanced solutions that are second to none.



The machine exhibited at the fair is equipped with the innovative automatic insertion unit of threaded inserts from M4 to M12, which simplifies production and eliminates the handling and storage of semi-finished products.

VIDEO LT7: <https://www.youtube.com/watch?v=i8rQyxrVwjY>

The part Right First Time with the All-Electric E-TURN tube bending machine.

E-TURN is the highly versatile tube bending machine suitable for every need, capable of bending with fixed and variable radius in the right and left direction in process and in multi-radius. Up to eight attachments can be mounted simultaneously and the variable beam can be placed at any level.

E-TURN was created to meet the growing market need for complex and multiform tubular components in noble materials and in medium-small batches. It is particularly suitable for complex parts and without straight parts between bends.

The high-quality standards obtained with E-TURN are the result of the control of the reactions of the material in process and the completely electrical management of the working parameters. In addition, B_Tools allows E-TURN to compensate for elongation and springback of the tube during bending, to obtain the first part right for each new production.

E-TURN is proposed in different sizes for tubes up to 52 mm in diameter and is used in the furniture, automotive, motorcycle, aeronautical and plant engineering sectors, but due to its flexibility and speed it can be used in all the industrial sectors.





The machine exhibited at the fair is ideal for unmanned production, combining the E-TURN tube bending machine with the automatic loading system for bundle tubes and the robot for unloading bent tubes.

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

SOFTWARE

BLMelements: A complete software suite for managing your processing technologies.

In parallel to laser cutting systems, BLM GROUP offers a suite of native software programs that make the most of the power of the equipment thus providing 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, powerful and also available in an office version, it allows the operator to create any shape or geometry with a few simple clicks.

ArTube is the BLM GROUP CAD/CAM software for programming Lasertube systems allowing operators to draw, manipulate and design single parts or complex tubular assemblies of any section. Artube is the most complete CAD/CAM making it dynamic and adaptable to the customer's specific needs.

ArtCut is the CAM 3D laser cutting cells software for programming new parts offline and starting production quickly and easily. With its immediate and user-friendly 3D graphics, ArtCut simplifies the programming of any three-dimensional workpiece and automatically solves any collisions. The cutting program simulation is remarkably true to reality.

PartViewer runs a graphical simulation of cutting programs for Lasertube systems and estimates execution times and costs.

ProTube is production MES, a single interface for easy and transparent management of part programs for the 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. It applies artificial intelligence strategies and data interconnection with the customer's corporate ERP. Protube is the key enabler for the evolution of smart Industry 4.0 applications.

FOR MORE INFORMATION: https://www.youtube.com/watch?v=2Swu_7MjeOA

SERVICES

Always customer-oriented with dedicated solutions

BLM GROUP offers 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:

Software and remote assistance contracts for quickly resolving any unexpected problems and providing support in the event of new production needs. Remote assistance also uses augmented reality tools, like Active Eye, to quickly transmit the necessary instructions to the operator.



FOR MORE INFORMATION: <https://www.youtube.com/watch?v=PNH-LxIAciM>

BLManalytics can be used to monitor the production data of the machines in real-time to see useful information on the general trend of system use, highlighting potential critical areas and possible scope for improvement. This will allow quick, targeted and effective strategic decisions, ensuring maximum efficiency and reducing maintenance costs and downtime.

Maintenance plans allow the customer to choose the maintenance plan that best suits their production rate, plan operations so that they 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 the machining of tubes, sheet metal and any three-dimensional metal profile, enhanced by dedicated software solutions and a portfolio 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. The companies that are part of the group are:"

- BLM S.p.A., based in Cantù (CO), Italy, is specialized 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 saw 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), specializes in the production of "combo" laser-cutting systems for cutting tubes and sheet metal and systems for laser-processing large-sized tubes.

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