



BLM GROUP technological solutions presented at MACH-TOOL

Poznań, May 2022. BLM GROUP will be exhibiting at MACH-TOOL, the largest exhibition space of ITM INDUSTRY EUROPE, the landmark tradeshow in Poland and meeting point of the innovation sector and their customers to exchange technological solutions and experience live demonstrations.

The exhibition will take place from May 31 to June 3 at the Poznań International Fair in Poznań. BLM GROUP will be located in hall 5, booth 3 and will be showcasing the following systems:

LT7, the undisputed cutting benchmark of high-end Lasertube systems

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

The machine is equipped with a 3 kW IPG laser cutting source, an automatic loading system for tube bundles of up to 6.5 m in length and an unloading system for tubes up to 4.5 m in length.

The LT7 machine can process pieces from 12 to 152 mm in diameter and up to 23 kg/m in weight, ensuring excellent process performance.

From the smallest to the largest diameter, every adjustment is fully automated and even sections with “L”, “U” and other open profiles and flat bars are standard jobs, all processed in a fully automatic mode.

The laser source allows great flexibility of thicknesses and materials, from 12 mm of mild steel to 4 mm of brass. 3D processing completes the framework of an extremely flexible system able to manage the widest array of applications.

The LT7 is an unparalleled, state-of-the-art solution designed to optimize productivity, quality, precision, flexibility, automation, and ease of use.

LT7 VIDEO <https://www.youtube.com/watch?v=qyhOlvnfD5M&t=15s>

The first part is right with the All-Electric E-TURN tube bending machine

The E-TURN is an all-electric tube bender with a 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://youtu.be/huo8crFm8bw>

A complete software suite for managing your process technologies

In parallel to laser cutting 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.

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

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.

FOR MORE INFORMATION: 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:

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=FEOd3vkZbqk&t=32s>

Graduated maintenance plan levels. Customers can choose the maintenance plan that best suits their production rate and plan operations so that you never interrupt production and increase



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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 encompassing-around support.

For more information:

Chiara Vaccari – Communication BLM GROUP

E-mail: pr@blmgroup.it

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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www.blmgroup.com

pr@blmgroup.it