

TUBE AND PIPE: ESSENTIAL TOOLS AND SOLUTIONS

LOOK BEYOND THE BEND TO THE MANY BENEFITS AND ADVANTAGES OF HIGH-SPEED FUNCTIONS AND PRECISION EQUIPMENT TO INCREASE YOUR SHOP'S OUTPUT.

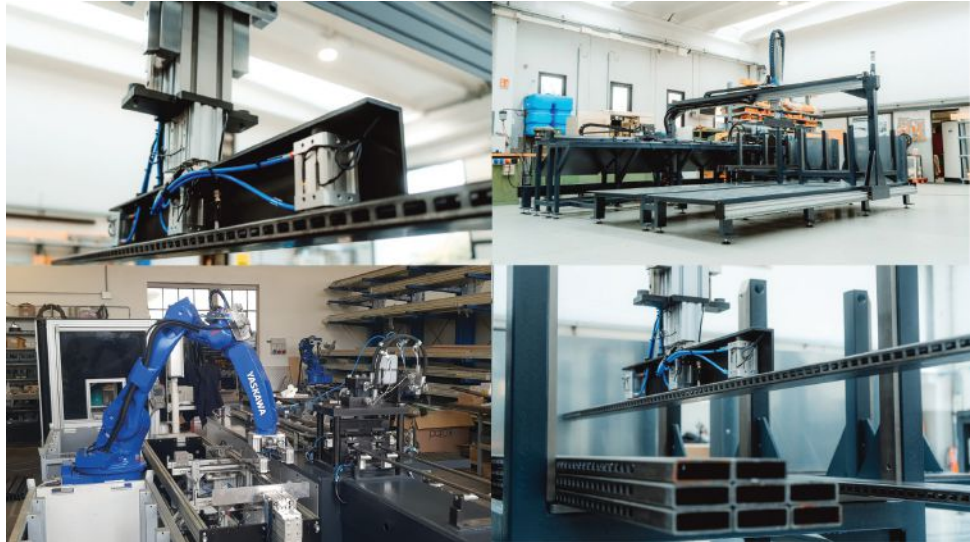
Advances in tools and equipment used in tube and pipe processing offer gains in efficiency, precision, and cost control, especially for small- to medium-sized shops.

ITALIAN PRECISION POWERS HIGH-VOLUME TUBE PROCESSING

Since 1964, **BSP Tube Punching**, based in Milan, Italy, has built a strong international reputation as a leading manufacturer of tube and pipe processing machinery. Rooted in Italian engineering excellence and industry experience, BSP combines robust mechanical design with intelligent automation to meet the demands of modern, high-throughput production environments. Its solutions are widely used in greenhouse and solar fabrication — industries that rely heavily on precision-punched tubular structures — along with structural and architectural fabrication, automotive and transportation manufacturing, industrial equipment production, and general metal fabrication, where accuracy, repeatability, and productivity are non-negotiable.

Among BSP's most powerful machines is the P80-2T punching system, a flagship solution designed for high-volume tube processing. The machine features two independent working stations, allowing manufacturers to punch the same tube profile simultaneously or process different profiles and hole configurations in parallel. This dual-station architecture significantly increases throughput while maintaining exceptional precision.

The BSP model P80-2T is engineered for seamless integration into computerized production systems aligned with Industry 4.0 and evolving Industry 5.0 manufacturing models.



BSP Tube Punching solutions are exclusively distributed in North America by Trilogy Machinery.

Its dedicated hardware and software infrastructure enables native connectivity with ERP and MES platforms, supporting real-time data exchange across the production workflow. Production orders, operating parameters, and performance data flow automatically between systems, enabling monitoring, traceability, and continuous optimization.

When paired with an automated loading system or robot, the P80-2T delivers a fully automatic solution that enhances efficiency, flexibility, and long-term production performance.

Exclusively distributed in North America by **Trilogy Machinery** (Belcamp, MD), which supports manufacturers implementing BSP tube punching solutions by providing application expertise, system configuration, and ongoing technical support.

www.trilogymachinery.com

TUBE LASER WITH 3D CUTTING HEAD

BLM Group USA (Novi, MI) has expanded its tube laser offering with the introduction of the LT6, a lightweight, entry-level model offering full 3D cutting capabilities. Based

on success of its popular LT7 tube laser, BLM GROUP recognized the value of offering similar high-performance features in a more compact machine with a smaller footprint and at a lower entry cost. It is an ideal solution for industries such as furniture and aerospace working with lighter tube sections that can benefit from the precision of 3D cutting. This new tube laser can cut tubes from 0.5"-to-6" diameter that are up to 12 lb./ft. in weight. The LT6 tube laser provides customers with the flexibility to cut seamless miters and joints.

The machine also includes an automated thread insert feature, ideal for fabricators working with tube walls too thin for traditional tapping. This integrated process results in finished parts that are ready for painting, with no additional steps required. The addition of the BLM GROUP exclusive Active Tilt provides faster cutting and marking speeds by rapidly moving the laser head instead of the tube during processing, resulting in greater productivity and higher tolerances.

The machine can manage loading and processing tube bundles using its automated bundle loader, while also offering the flexibility