
Prima is Power: Prima Power at the Blechexpo in Stuttgart

Many new technologies and solutions by Prima Power have their world premiere at the Blechexpo, the international trade fair for sheet metal working held in Stuttgart from 7 to 10 November. Prima Power products are presented under the slogan “Prima is Power”: always more productive, flexible and connected, Prima Power laser and sheet metal machines are a boost of power to companies' business and competitiveness.

Visitors of Prima Power booth will gain a first-hand preview of the group's latest innovations. The exhibits cover all technologies and are Industry 4.0 ready, as the entire Prima Power product portfolio.

The top-of -the-range 2D laser cutting machine Laser Genius 1530 with the Combo Tower Laser automation system is showcased for the first time with a 10 kW fiber laser source by IPG Photonics, which further boosts its performance, especially on high thicknesses.

For the first time at an exhibition, Prima Power showcases its LPBB (Laser cutting - Punching - Buffering - Bending) manufacturing line. It features fiber laser cutting, punching and automatic bending enhanced with LSR loading and stacking robot. As world premiere, a new generation laser marker is introduced, integrated into the production line.

The eP-1030, the most versatile servo electric press brake of the eP family is now available with the new version of the bending follower option, allowing the simpler and faster positioning of big and heavy parts.

A Software area is dedicated to live demonstrations and presentations of the full array of products for digital manufacturing.



Laser Genius

The top-of -the-range 2D laser cutting machine Laser Genius 1530 is showcased for the first time with a 10 kW fiber laser source by IPG Photonics, which further boosts its performance, especially on high thicknesses. This product configuration is particularly dedicated to market sectors where thicker sheet metal is commonly used, like agricultural and construction.

Thanks to its laser head with adaptive optics for the automatic management of the focal position, Laser Genius provides best quality and maximum speed without compromises on the whole thickness range for a wide variety of processable materials (mild steel, stainless steel, aluminum, copper, brass). Unique machine architecture based on a synthetic granite frame and carbon fiber cantilever structure and linear drives are some of its other key technical features. Laser Genius is managed by the smart and user friendly Prima Power Open CNC and the HMI framework is the new Prima Power Tulus Laser 2D, a highly logical, modern and user friendly interface, applying existing Tulus platform and its ecosystem to 2D laser cutting machines. At the Blechexpo the machine is equipped with Combo Tower Laser, the flexible storage system with integrated loading and unloading features, developed and manufactured by Prima Power specifically for 2D laser machines.

LPBB line

For the first time at an exhibition, Prima Power showcases its LPBB (Laser cutting - Punching - Buffering - Bending) manufacturing line. It features fiber laser cutting, punching and automatic bending enhanced with LSR loading and stacking robot. As world premiere, a new generation laser marker is introduced, integrated into the production line.

The LPBB line making its debut at the Blechexpo 2017 consists of the new combined punching/laser system Combi Genius 1530, the Express Bender EBe 5-3 panel bender and the LSR loading and stacking robot, creating a high-end automation solution from a blank sheet to a ready produced sheet metal part.



Combi Genius is a very flexible tool for handling a wide product selection. With new automation solutions high productivity is reached by minimizing waiting times and utilizing hidden time operation. Additionally, the new CG1530 has all intelligent Genius series options and features, i.e. iRam and Sheet floating system.

Prima Power EBe5-3 included in the LPBB system is a flexible, automatic and fully-equipped servo-electric bending machine with a maximum bending length of 2750 mm. It is equipped with PCD Picking & Centring Device, BTB Bend Turning Device, a single wagon for standard pallet with new part stacking function and a new lifting door designed to reduce the machine footprint. Among main innovations, Tulus HMI software presents an optimized tool change, a monitoring view function to follow the process flow step by step, as well as a new interpolation function that generates new angle correction parameters to bend parts with thicknesses and bending lengths that do not correspond to the values saved in the database.

eP-1030 press brake

Another product on show on Prima Power stand is the eP-1030, the most versatile servo electric press brake of the eP family. Well known for its excellent combination of tonnage and working capability, visitors of Blechexpo can further appreciate this machine thanks to the new version of the bending follower option, allowing the simpler and faster positioning of big and heavy parts that cannot be handled by a single operator.

The eP-press showcased in Stuttgart also is equipped with a flattening table to increase the productivity and facilitate the operation. Finally, the Wila-style upper and lower hydraulic tool clamping by Prima Power and an IRIS PLUS device for the real time correction of the angle complete this machine and makes it suitable for producing high-quality complex components.

Software

As always at Prima Power stands, software solutions play an important role at Blechexpo,



with an area dedicated to live demonstrations and presentations of the full array of products for digital manufacturing. Prima Power Industry 4.0 Inside solutions improve throughput, enhance production efficiency and increase flexibility in production batches. New releases on the whole range of SW products will be presented in Stuttgart. In particular, the new web console application for machines monitoring and analytics Fleet Manager, now available for 2D and 3D laser machines, features improved usability and more powerful cloud connector. Fleet Manager provides information on timeline, trigger maps, alarms and manual operations, also in real time. Analytics reports on machine performance and production reduce downtime and enable preventive and predictive maintenance.

With Prima Power solutions for digital manufacturing and cloud-based communication, highly productive and flexible machines interact with the factory and with the whole enterprise, and people have the power to remotely monitor, control and predict the production process for the highest efficiency.

Prima Power | Blechexpo | Hall 3 | Stand 3505

[For more information](#)

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Prima Power

Prima Power is a world-class supplier in the high-tech field of laser machines and sheet metal machining. Its product portfolio is one of the most complete in the industry and includes: 2D and 3D laser machines for cutting, welding and drilling, punching machines, combined punching/laser and punching/shearing systems, bending presses, panelling machines, bending centres and Flexible Manufacturing Systems (FMS).



Prima Power is the Prima Industrie Machinery Division, a group with more than 1,600 employees worldwide, manufacturing facilities in Italy, Finland, USA and China and a sales and service network in over 80 countries.