

---

## Prima Power announces the launch of the new Laser Next 2141 3D fiber laser machine with a dedicated event with 150 customers

---

- *The new machine is the latest evolution of the Laser Next family and offers best-in-class features and performance, combined with cutting-edge technological solutions, and a very large working envelope*
- *Laser Next 2141 is designed to answer the needs of varied industrial sectors e.g. job shops, press shops, aerospace, agricultural, and automotive, and it is available in different configurations to suit any production*
- *The machine is Industry 4.0 Inside and features innovative solutions for digital manufacturing and cloud-based communication*

*Collegno - April 17, 2018* – Prima Power is proud to announce the launch of its new Laser Next 2141 3D fiber laser machine. The product is designed and developed to satisfy the needs of stamped-metal-parts manufacturers in diversified industrial sectors, such as job shops, press shops, aerospace, agricultural, and automotive. The Laser Next 2141 will provide them an unparalleled flexibility in terms of processes, part sizes, and configurations, combined with state-of-the-art performance, quality, and accuracy.

Prima Power is the Machinery Division of Prima Industrie, a Group with revenues of 450 m€, up 14% from previous year, and over 1700 employees worldwide. The Group experience in 3D laser working machines is unique in the sector and dates back 1978, when the first 5-axis laser robot was developed. Today its 3D laser product range is one of the widest on the market, and represents more than 25% of total revenues.

Laser Next 2141 is the new product in Prima Power's 3D fiber laser machine range and the latest evolution of the Laser Next family. All the winning features of the Laser Next 1530 and



2130 systems, highly specialized for the processing of components for the automotive industry, are made available in this new product, which is designed to be as universal and multipurpose as possible.

The working volume of this machine is the largest on the market (4140 x 2100 x 1020 mm) with a very compact footprint, and it is suitable to virtually all 3D stamped and flat sheet metal part sizes. Its technological features allow it to process both three-dimensional and two-dimensional parts, and to easily switch from cutting to welding applications.

Laser Next 2141 is the perfect balance of speed, accuracy, and reliability. The linear motors on the main axes, the direct drive on the focusing head, and advanced control systems, provide the highest dynamics in its market segment, with single axis speed of 120 m/min and trajectory speed of 208 m/min. This is combined with maximum accuracy ( $P_a$  and  $P_s = 0.03$  mm) in a very large working envelope and with the best Overall Equipment Efficiency (OEE).

Laser Next 2141 is available in different configurations to better suit any production.

The standard version with Fixed Tables exploits the entire working envelope to process large parts and features great accessibility from all sides. With the Split Cabin configuration, the working volume is separated by a removable wall and a sliding roof into two halves, where the parts are alternatively processed or loaded/unloaded in total safety. In this way, machine productivity is increased and, when needed for larger parts, the wall can be removed to restore the entire working envelope. For the fastest part handling operations without machine stops (cover time operation), the Turn-Table configuration is available. This is the ideal solution for large-series production of medium to large-size parts. The Shuttle Tables version allows the fast and automatic movement of parts and fixtures outside the working area from the sides or the front of the machine. This is the solution for allowing large and heavy parts to be handled outside the working area and in case of complex set-up. Combined with the Split Cabin, the Shuttle Tables configuration also allows cover time operations.

With its versatility and performance, Laser Next 2141 opens up new horizons for 3D parts processing. The Laser Next family, launched on the market in 2014, set new standards in large-series production of automotive components in terms of throughput and reliability. These unique features are also made available for small to medium-batch sizes for a wide range of



applications in addition to hot stamped parts. What really sets this product apart is the combination of the highest productivity and efficiency with all-round flexibility.

Laser Next 2141 is equipped with either a 3 or 4 kW Prima Power fiber laser, featuring high reliability, quality pumping diodes, better protection against back-reflections, a patented highly-reactive electronic shutter, and a high integration into the system.

As all Prima Power products, Laser Next 2141 is Industry 4.0 Inside and features innovative solutions for digital manufacturing and cloud-based communication. This productive and flexible machine interacts with the factory and with the whole enterprise, and customers have the power to remotely monitor, control, and predict the production process for the highest efficiency.

Prima Power's 40-year experience in 3D laser processing is really unique. Thanks to a continuous dialogue with customers and partners operating in the most diversified industrial sectors, Prima Power has learned their needs and expectations and has translated them into this new product. Laser Next 2141 will definitely help them improve their production and gain a strong competitive advantage.

---

[For more information](#)

[www.primapower.com](http://www.primapower.com)

[info@primapower.com](mailto:info@primapower.com)

---

#### Prima Power

Prima Power is a world-class supplier in the high-tech field of laser and sheet metal working machinery. 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, press brakes, panel benders, bending centres and Flexible Manufacturing Systems (FMS).

Prima Power is the Prima Industrie Machinery Division, a group with more than 1,700 employees worldwide, manufacturing facilities in Italy, Finland, USA and China and a sales and service network in over 80 countries.