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← Laser Next 2130

New Laser Next 2130 - The 3D laser cutting machine dedicated to the new door ring concept

Prima Power is a leading specialist in machines and systems for sheet metal working. Our offering in this field is one of the widest and covers all applications: laser processing, punching, shearing, bending and automation. Our product range includes also the ideal solutions dedicated to various automotive applications.

Hot stamped parts are increasingly replacing traditional metal formed parts in

automotive frame design and this trend is confirmed also for the next years.

These components play in fact a fundamental role in keeping overall strength to grant 5-star safety ratings and reducing vehicle weight, and consequently fuel consumption and CO2 emissions.

A recent trend that is gaining momentum is the adoption of a new door ring concept, hot stamped as one part instead of the four parts which are usually required. This minimizes production costs, reduces the weight and increases the performance of this component.

Prima Power has designed a new product focused on this specific application: Laser Next 2130. It maintains the performance and the winning solutions of the 1530 model with an increased working volume, making it the right solution for the cutting of large size hot stamped components and other big automotive parts.

Laser Next 2130 has a considerable working volume of 3050 x 2100 x 612 mm with a high precision and dynamic 5m turntable. Thanks to a well-conceived layout, the system is nonetheless extremely compact and space efficient.

Laser Next can boast the best dynamic performance on the market for a 3D laser machine (208 m/min trajectory speed and 2.1 g acceleration), granted by the use of highly innovative solutions and materials for kinematics and machine structure such as direct motors and transducers for main axes and focusing head, and machine frame in synthetic granite with optimized shape.

Laser Next 2130 can be equipped with 3 kW or 4 kW high brilliance fiber laser, developed and manufactured by Prima Power.



↑ Prima Power high-power laser source with fiber technology



↑ Photo courtesy of ArcelorMittal, Usibor® 1500 & Ductibor® 500 LWB Door ring Reinforcement