

Flat Steel & Pipes Laser Cutting

Steel cutting using laser technology is one of the fastest growing technologies in the field of metal processing of flat steel sheets. Combination of beam high-energy concentration and its precise control open vast horizons of application of laser cutting.

Using the laser beam as a cutting tool has the following

ADVANTAGES:

- To significantly reduce the technological operations in the processing of complex shaped sheet metal parts and the speed and accuracy requirements in the manufacturing of small and medium series;
- The short path length of the laser beam makes for the high speed, velocity and precision of laser cutting and the minimum width of incision;
- High purity and accuracy of the cut; the cut surface has a high degree of smoothness, and requires no additional processing;
- Minimum heat-affected zone of the edges of the cut material, compared to any other cutting technique;
- High performance which allows to process a large number of parts in a short time and to maintain a continuous production.



TECHNICAL SPECIFICATIONS:

Main Dimensions:

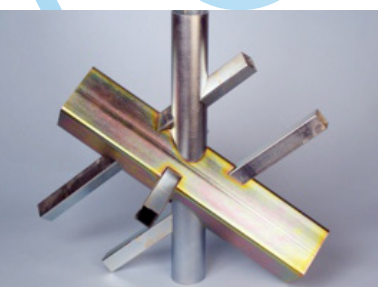
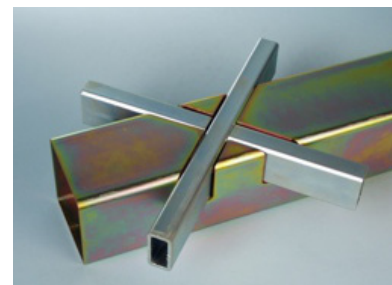
• Work Area Size	2000x6000mm
• Axis travel (x/y/z)	6000mm/2000mm/100mm
• Maximum Sheet Size	2000x6000mm
• Maximum Sheet Weight	3000kg
• Positioning Speed	60 000mm/min (1m/sec)
• Type of Laser Source	IPG 4kW
• Max Cutting Thickness (Black Steel)	20mm
• Max Cutting Thickness (Stainless Steel)	12mm

The Fiber Laser Cutting Machine comes with a cutting module for pipes and hollow profiles.

TECHNICAL CHARACTERISTICS OF PIPES AND PROFILES MODULE:

Main Dimensions:

• Pipe and Profile Working Length	8000mm
• Cutting Zone	6000mm
• Type of Laser Source	IPG 4kW
• Maximum Pipe Cutting Diameter	400mm
• Maximum Box-shaped Hollow Profiles Cutting	250x250mm



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