

FAST

WORKING AREA UP TO
19.9 X 6.7 ft
6100 X 2050 mm

POWER UP TO
20 kW



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FAST

Cutlite America presents the **FAST**, our revolutionary new lightning fast fiber laser model, designed and tested to achieve **high-speed movements up to 4.2G when cutting material up to 1" without compromising quality**, even on the most complex shapes. The FAST model features a new gantry design to achieve zero jerk acceleration with no vibration and exceptional cutting speeds. This new model closes out the full range of Cutlite America machines aimed at achieving fast, highly dynamic movements that outperform all other machines currently on the market.

Every design element of this machine has been engineered and built in Prato, Italy. This ensures the highest level of consistent cutting quality, and unparalleled reliability, offering a dramatic competitive advantage that will separate you from your competitors

Base Structure and Gantry Movement

The FAST model features a fully redesigned gantry to minimize the weight while retaining the rigidity required for a stable and repeatable cutting result. The machine's base is built with 100 mm-thick side frames and a lower center of gravity. The result is an extremely low mass ratio of static parts to moving parts, allowing linear motors (the same reliable and well-tested motors used on the PLUS models) to be placed in a horizontal configuration on the shoulders of the base structure. This optimizes the dynamic performance, and to perform zero radial jerk movements without producing vibrations that can cause movement of the material on the cutting table.

SMART Changer (Option)

The automatic nozzle change is an option that allows the machine to automatically change the cutting head nozzle without operator intervention. With up to ten nozzle positions available and both cleaning and calibration functions, this model is ideal for multiple automation options available.

SMART Mix (Option)

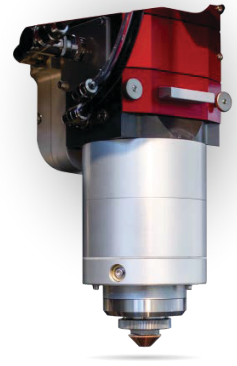
Smart Gas Mix option contains a component that improves the cutting process thanks to hardware technology controlled in real-time by our Smart Manager software. With a few clicks of the mouse, the right amount of oxygen and nitrogen can be supplied, for varying types of material.

Cutting Head

The FAST system uses the EVO 3 cutting head, famous for its reliability when integrated with high-power fiber laser sources. Completely designed and built in Italy, this autofocusing cutting head offers exceptional cutting speeds on both thinner material and thicker materials. The head itself and the focusing lenses can be utilized with **up to 50KW** of laser power, and a pressure of 25 bar. There are three different focal configurations to choose from **150-200-250mm**.

Fiber Laser Source

Cutlite America's extensive experience and research, combined with the use of high-power sources in the FAST model, ensures high acceleration and cutting speeds with unmatched cutting quality is easily achieved on material up to 1" in thickness.



The highly efficient IPG laser source, featuring excellent beam quality and low electric consumption, is housed in an air-conditioned and sealed NEMA 12 cabinet for guaranteed operation even in the harshest of environments. The solid-state reliability of the IPG source virtually eliminates costly maintenance required by competitive laser models.

IPG SOURCE OPTIONS

6kW

8kW

12kW

15kW

20kW

30kW

FAST MODEL

WORKING AREA

3015

10' X 5'

4020

13.3' x 6.7'

6020

19.9' x 6.7'

