

The eX-F60 ensures fast cutting speeds thanks to efficient laser-fiber technology. Auto focus, automatic beam manipulation, reduced nozzle-centering time and collision protection make for uniform control and maximized cutting capacity. The Zoom Cutting Head, with continued simultaneous axial movement, compacted cost standby periods, increased power stability and reduced overheating, makes the model unmatched in the industry. The system can handle high-kilowatt inputs with cutting capacities reaching speeds of up to 2,000 inches per minute. There is no need for lens cleaning, and the machine features collision protection and a small footprint.

Model	3015 eX-F40 / F60
<b>Machine Travels: X x Y x Z in (mm)</b>	122 x 61 x 5.9 (3100 x 1550 x 150)
<b>Workpiece Dimensions: W x D in (mm)</b>	120.1 x 60.0 (3050 x 1525)
<b>Available Resonators:(model number/wattage output)</b>	F40 / 4000 and F60 / 6000
<b>Motion Drive System Design</b>	Helical Rack & Pinion
<b>Processing Lens Focal Distance: in (mm)</b>	Auto Focus Range from 3.75~10.0" (95~250)
<b>No. of control axes</b>	3
<b>Machine Structure</b>	X-Y Helical Rack & Pinion, Z Precision Ball Screw
<b>Travel Drive Method</b>	X-Y-Z Simultaneous 3-axes (Z-axis height control is also possible)
<b>Table Pass Height: in (mm)</b>	34.6 (880)
<b>Processing Access</b>	Power Operated Door
<b>Pallet Changer</b>	Provided
<b>Rapid travel speed [X,Y]: in/min. (m/min.)</b>	5512 (140) combined
<b>Max. processing feedrate: in/min. (m/min.)</b>	1970 (50)
<b>Positioning Precision: in (mm)</b>	0.0019/20 (0.05/500) X, Y axis, 0.0039/4 (0.1/100) Z-axis
<b>Repeatable accuracy [X,Y]: in (mm)</b>	+/-0.00039 (+/-0.01)
<b>Drive Motor Type</b>	Intelligent AC Servo
<b>Max. workpiece weight: lb (kg)</b>	2094 (950)
<b>Installation Dimensions (W x D): in (mm)</b>	503.5 x 202.8 (12,790 x 5,150)
<b>Machine Unit Dimensions (W x D x H): in (mm)</b>	253.9 x 116.3 x 93.7 (6,450 x 2,955 x 2,380)
<b>Machine System Weight: lb (kg)</b>	26,015 (11,800)
<b>Floor Space Req. sq. ft. (m<sup>2</sup>)</b>	710 (65.9)
<b>Type</b>	Self contained PC NC
<b>CPU</b>	64-bit
<b>Display screen</b>	15" TFT color LCD touch screen
<b>Hard disk</b>	20.0 GB
<b>Generator output control</b>	Output Power, Frequency, Duty
<b>Generator operation control</b>	Beam ON/OFF, laser gas change, etc.
<b>Drive system</b>	X,Y,Z simultaneous control
<b>Position detection system</b>	Encoder
<b>Min. command unit: in (mm)</b>	0.0001 (0.001)
<b>Program input system</b>	USB, Computer Link, Ethernet LAN