

Product Name :
Laser Cutting Machine

Product Code :
ELABHTOOLSUK490001



Description :

Laser Cutting Machine

Technical Specification :

Fiber Laser Cutting Machine is a "high speed" 2D cutting machine for cutting flat sheets (black sheet - aluminum - stainless).

It works on the principle of "Flying Optics". This means; The cutting table on which the sheet is placed remains fixed, the cutting head moves in the X and Y directions and performs the cutting process.

Thanks to this method, very high acceleration values are achieved and with the help of the direct encoder measuring system and precision racks, part cuttings are carried out with maximum precision.

Moving axes work via maintenance-free, dynamic and high-performance AC servo motors.

X/Y/Z axis travel (mm) : 3100/1550/125

Max. Plate dimension (mm) : 3000x1500

Rapid feed X/Y axis (m/min): 85

Axis acceleration (m/s²) :10

Position accuracy (mm): ± 0.05

Repeatability (mm) : ± 0.05

Foot print of the complete system /WxDxH/ (mm): 9000x7500x2300

Wave length (???????): 1.07-1.08

CW beam power, max. (W):525

CW beam power, min. (W):50

Pulse peak power (W): 500

Power stability (%): ± 2

Pulse frequency, Max. (Hz): 2000

Power consumption, Max. (KW): 1.6

Cutting capacity (mm)/mild steel/stainless steel/Aluminum/brass/Coper: 4/2/2/2/1

With all Standard equipment's, five different set tools and accessories.

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