

CY2D C2512

Intro

Introducing the CY2D C2512 Fiber Optic Laser Cutting System with loading surface, a cutting-edge solution that maximizes efficiency and precision in the cutting process. Specifically designed to harness the advantages of fiber laser cutting, this system features the Cy-laser EVO III proprietary cutting head, the most advanced fiber laser cutting technology solution. Its construction philosophy, based on off-the-shelf components and interoperability, offers reliability and adaptability.

Key Features

CY2D C2512: fiber laser cutting system 4'x8' (2500mm x 1200mm) Ideal for prototyping

- Specifically designed to take advantage of fiber laser technology and processes
- Construction philosophy utilizing off-the-shelf components to avoid forced customer retention
- EVO III proprietary cutting head: designed and built by Cy-laser, combines years of process experience to create the most advanced cutting head in the industry
- Available with or without optional shuttle changer
- Compatible with the leading CAD-CAM software on the market
- Machine suitable for prototyping
- The only machine in the range with a cantilever Y axis
- Internal bench with optimized height
- Access door to the cutting area with easy opening.
- Compact footprint, only 322 mt
- Fast installation and user friendly

Applications



Fiber laser cutting can be utilized on a variety of material- cutting processes and applications.

- Aluminum
- Stainless Steel
- Steel
- Iron
- Brass

TECHNICAL DATA

CUTTING AREA

Cutting Area X	inch	100.39
Cutting Area Y	inch	50.39
Cutting Area Z	inch	4.72

NOMINAL SHEET SIZE

Nominal Sheet Size X	inch	98
Nominal Sheet Size Y	inch	49

OVERALL DIMENSION AREA

Length, ca. (L)	inch	265
Width, ca. (W)	inch	87
Height, ca. (H)	inch	80
Maximum workpiece weight	Lb	550
Max workpiece load per square foot	lb/sf	40.89
Table Changeover Speed	inch/sec.	14.17
Table Changeover Time	sec.	7

AVAILABLE WATTAGE

up to 6kW

AXIS KINEMATIC

Maximum positioning speed axis X/Y	inch/min.	2,362
Maximum positioning speed simultaneous axis X/Y	inch/min.	3,346
Massimum Axis Acceleration	G	0.8

ACCURACY & PRECISION

Meccanical Position Accuracy	inch	0.000984
Meccanical Edge Detection Accuracy (over 10 inch travel)	inch	0.001181
Cut Perpendicularity Tolerances	inch	0.000393
Machine Weight (without Exhaust Filter, Chiller, Laser Generator)	Lb	7,600
Required Dust Collector		2C
Color	RAL	7040 / 5015
Voltage Required (**)	V Triphase / HZ	Upon Request - 50 / 60



Software

Thanks to the user-friendly Cy-laser Open Source Software, our cyber-physical systems seamlessly integrate with other machines in the production cycle. Our tele/self-diagnosis software enables remote control and assistance, ensuring convenience and efficiency.



Automation

Cy-laser systems can integrate with different types of automation, from simple loading and unloading to automated warehousing solutions, for unattended production. Our

CYScheduler 4.0 software allows you to manage third-party automation in an integrated way thanks to its open-source philosophy.