Cencorp 300 LM Laser Applications

Compact table top laser marker for your various laser marking applications

Compact laser marking solution

Cencorp 300 LM table top laser marking cell is the solution for your cost-efficient laser marking needs. Compact size makes this perfect option for various laser marking applications for your production. Pulsed fiber laser with high quality laser scan head provides very fast and high-quality markings directly on the product. Cencorp 300LM is very easy to use and it has been designed for marking products up to size of 180mm x 180mm. Laser components and control electronics are all inside compact enclosures, so it does not take too much space on a work desk. With programmable Z-axis (optional) you can even mark on different heights of your product in a single pass.
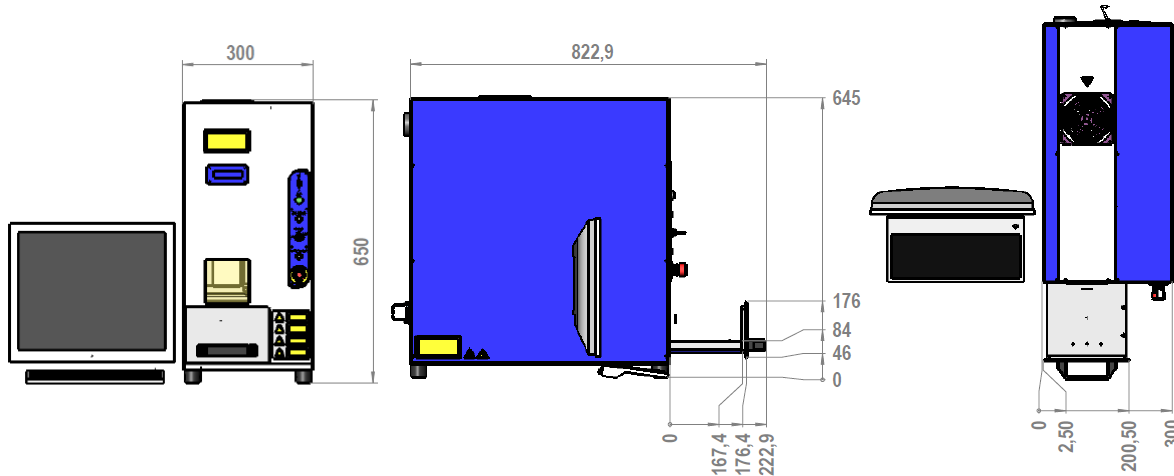
High quality laser components

High quality pulsed fiber laser (several power levels available) is virtually maintenance free and estimated lifetime for the laser source is 100.000+ marking hours. There are several different focal length optics available and our team will choose the best optics for your marking applications.

Providing flexibility and efficiency

Cencorp 300LM is designed mainly for manual process where operator takes care of product loading and unloading on the drawer. Product change is simple by changing product specific fixture and selecting marking program for the product. Cencorp 300LM can also be integrated with other automation cell if you are looking for fully automated laser marking process, ask more details from your local Cencorp contact.

Cell Dimensions
Width: 300mm (11.81")
Depth (drawer closed): 600mm (23,6")
Depth (drawer open): 822.9mm (32,4")
Height: 650mm (25.6")
Weight: 60kg (132 lbs)

Product Handling
Max product size: 185 x 195 x 80 mm
(7.28" x 7.68" x 3.15") (LxWxH)
Manual slide with mechanical interface
for product specific fixtures

Electrical Service Requirements
Voltage: 110-230 VAC
Frequency: 50/60 Hz
Branch circuit size: 10A

Environmental Requirements
Operating temperature: 17... 28 °C (63...
82°F)
Operating humidity (r.h.): 30% ... 85%

Laser safety
Class 1 device

Graphical User Interface
Windows 10 PC
Cencorp graphical user interface with
user level access control

Options
Automated slide for closing and opening
the slide
Programmable Z-axis
Fume extraction unit (external)
Custom options available

Marking software
Software for marking vector and raster
graphics included
Creation of Barcodes and Data Matrix
(solid cells or dots)
True type fonts
Sequenced marking rules
Monochrome marking with bitmap
graphics

Possible to combine vector and raster
graphics
Import formats for vector graphics: plt,
dxf, cmx, emf, svg, ai, job, mcl
Import formats for bitmap graphics:
bmp, jpeg, gif, tiff, tga, png, pcx
Line width setup with beam deflection
Arc text
Date format selection with automatic
update function
Custom/tailored automated marking
options available

Laser unit technical spec.
Active media: Pulsed fiber laser
Wavelength: 1064 nm
Average power: 20W (other options
available)
Scanner marking area: 120mm x 120mm
(4.72" x 4.72"), Option for larger
marking area of 180mm x 180mm (7.08"
x 7.08")
Optionally other configurations are
available, consult the nearest Cencorp
representative