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Cencorp 700 LM

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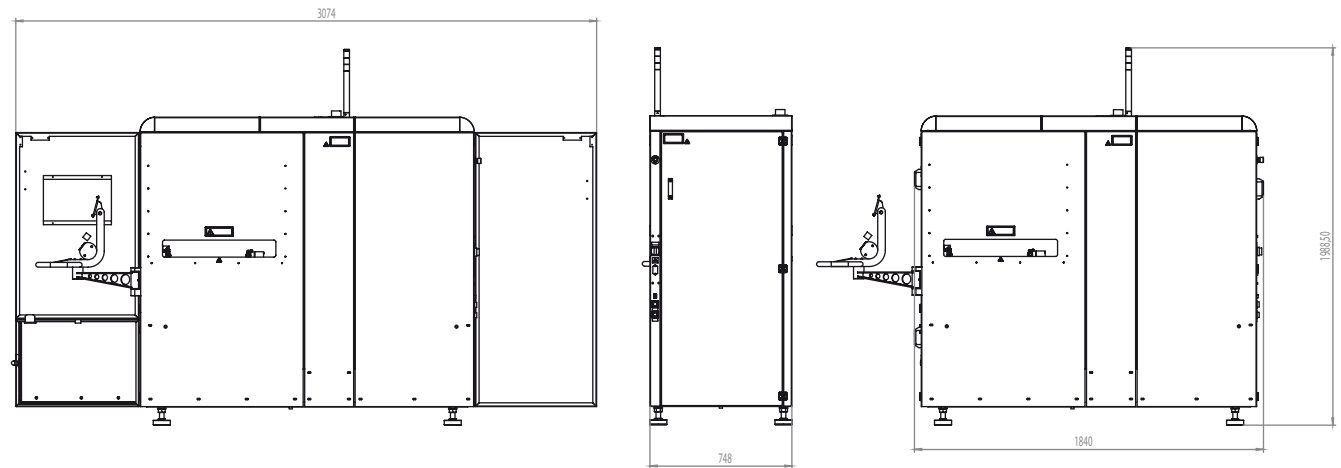Information: info@cencorp.com
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CENCORP 700 LM

Main dimensions:

Efficiency and flexibility for your circuit board marking with Cencorp 700 LM

Flexible laser marking solution

Cencorp 700 LM laser marking cell is the solution for your cost efficient laser marking needs. With different options it can also be tailored to your advanced marking or markings removal requirements. Cencorp 700 LM can also be equipped with a flip conveyor, making 2 side marking easy to handle in a single process.

The best choice for low cost automated marking

When you are looking for a solution which ensures that the marking is not a bottleneck in your production in terms of a Quality, Cycle time, Change-overtime and Maintenance - this machine is your choice!

Providing flexibility and efficiency

Cencorp has a long experience in laser processes and the 700 LM laser marker is the result of extensive product development. The core unit meets the basic marking requirements but it can also be fitted with different options to meet the most advanced requirements. This approach is also a cost-effective and efficient solution for your individual marking needs.

Platform & module strategy

Our standard solutions are based on one platform and module strategy. If required, customer specific modules can be created to meet the marking process requirements. In effect, more process power can be packed in a smaller space.

Machine Dimensions	Pneumatic Service Requirements	Laser unit software
Width: 750mm (29.5")	Pressure: 5-7 bar (73-100 PSI)	Software for marking of vector and raster graphics
Depth: 1841 mm (72,5")	±10%, dry clean air	
Height: 1640mm (64.5") without beacon, 1980mm (78.0") with beacon	Approx. air consumption: 20 l/min	Creation of Bar Codes and Data Matrix (solid cells or dots)
	Environmental Requirements	
Weight: 1000kg (2205 lbs)	Operating temperature: 17... 28 °C (63... 82°F)	True type fonts
Board Handling	Operating humidity (r.h.): 30% … 85%	Sequenced marking
Min PCB size: 50 x 70 mm (LxW)	**Machine Control**	Monochrome marking on bitmap graphics
Max PCB size: 516 x 480 mm (LxW)	PLC: OMRON	Possible to combine vector and raster graphic
Adjustable conveyor width	**Base Standards**	Import formats for vector graphics: plt, dxf, cmx, emf, svg, ai, job, mcl
PCB Thickness: 0.6-4.0 mm	Light tower	
PCB transfer time: < 4 s	**Graphical User Interface**	Import formats for bitmap graphics: bmp, jpeg, gif, tiff, tga, png, pcx
Transfer protocol: SMEMA	PC with a keyboard and display	
Transfer height: 900 ±30 mm	**Options**	Line width setup with beam deflection
Bottom clearance: 10 mm	Internal board flip	Arc text
Top clearance: 70 mm	Programmable Z-axis	Date format selection with automatic update fuction
Edge clearance: 3 mm	Programmable conveyor width adjustment	
Electrical Service Requirements	Camera for fiducial alignment	**Laser unit technical spec.**
Voltage EU (USA): 230 (110) VAC10%	Camera for 2D code quality check	Standard:
Frequency EU (USA): 50 (60) Hz	Fiber laser	Active media: CO2
Branch circuit size: 10A	Connection to customer database	Wavelength: 10600 nm
Average power consumption: 500VA	Internal fume extraction unit	Average power: 30W
	Other options upon request	Scanner area: 105 mm x 105 mm
		X-Y axis: 516 mm x 480 mm
		Programmable Z-axis: 70mm
		Optionally other configurations are available, consult the nearest Cencorp representative.

Specifications subject to periodic review and change without notice