



*Innovation in Automation*

## 501 Laser Marking



### Efficiency and flexibility for marking with Cencorp 501 LM

#### **Flexible laser marking solution**

Cencorp 501 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.

#### **The best choice for low cost automated marking**

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

#### **Providing flexibility and efficiency**

Cencorp has a long experience in laser processes and the 501 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.

## Danutek KFT

Angol utca 38  
1149 Budapest  
Hungary

Tel. +36 1 273 0457

Fax. +36 1 273 0458

## Altus Group Ltd

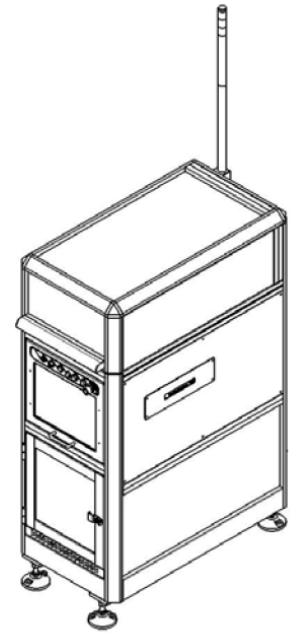
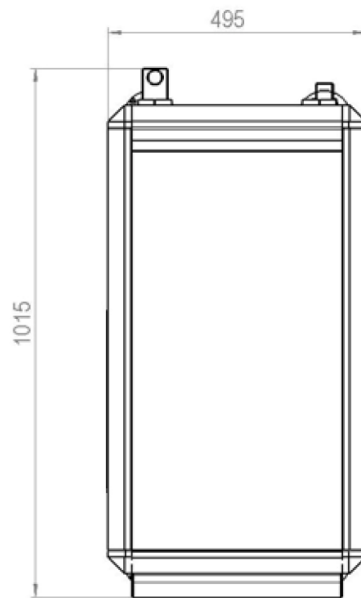
Block 5, Unit 1 Muirhead  
Mitchelston Industrial Estate  
Kirkcaldy, Fife  
KY1 3PB  
UK

Tel. +44 (0) 1592 655 400

Fax. +44 (0) 1592 655 401

[www.altusgroup.biz](http://www.altusgroup.biz)

# Technical Data of 501 Laser Marking



### Machine Dimensions

Width: 495mm (19.5")  
Depth: 1450mm  
Height: 1550mm (55.3") without beacon  
2200mm (80.9") with beacon  
Weight: 135kg (300 lbs)

### Board Handling

Min. PCB size: 70 x 110mm  
Max. PCB size: 300 x 400mm  
Adjustable conveyor width  
PCB thickness: 0.6 - 4.0mm  
PCB transfer time: < 3 s  
Transfer protocol: SMEMA  
Transfer height: 900 ± 30mm  
Bottom clearance: 10mm  
Top clearance: 70mm  
Edge clearance: 3mm

### Electrical Service Requirements

Voltage EU: 230, VAC10%  
Frequency EU: 50 Hz  
Branch circuit size: 10A  
Average power consumption: 500VA

### Pneumatic Service Requirements

Pressure: 5-7 bar (73-100 PSI) ± 10%  
clean, dry air  
Approx. air consumption: 20 l/min

### Environmental Requirements

Operating temperature: 10 ... 40°C  
(50 ... 200°F)  
Operating humidity (r.h.): 30% ... 85%

### Machine Control

PLC: OMRON

### Base Standards

Light tower

### Graphical User Interface

PC with a keyboard and display

### Laser Unit Technical Spec.

Standard:

Active media: CO<sub>2</sub>  
Wavelength: 10600 nm  
Average power: 30W  
Scanner area: 110mm x 110mm  
X-Y axis: 300mm x 300mm

Optionally other configurations are available, consult the nearest Cencorp representative

### Laser Unit Software

Software for marking of vector and raster graphics

- Creation of Bar Codes and Data Matrix
- True type fonts
- Extend true type fonts (CJK)
- Sequenced marking
- Possible to combine vect. And raster graphics
- Import formats: PLT, DXF, BMP, JPEG, GIF, LDC linked files
- Line width setup with beam deflection
- Arc text
- Date format selection with automatic update function
- Program selection via RS232
- Data input

### Options

Camera for quality control  
Connection to customer database

**E-mail:** [sales@danutek.com](mailto:sales@danutek.com)

**Spares:** [spares@danutek.com](mailto:spares@danutek.com)

[www.danutek.com](http://www.danutek.com)