



Technical Construction File (EC declaration test report)

File (report) No: CTNT230411002R

Related to

Device Name : Laser engraving machine

Main inspection model: K1 Ultra

Series model: K1, K1 Pro, K1 Pro Max, K2, K2 Pro, K2 Ultra, K2 Pro Max, K3, K3 PRO, K3 Ultra, K3 Pro Max, K4, K4 Pro, K4 Ultra, K4 Pro Max, K5, K5 Pro, K5 Ultra, K5 Pro Max, L2-01, L2-02, L2-03, L2-04, L2-05, WM-LE001, WM-LE002, WM-LE003, WM-LE004, WM-LE005, WM-LE006, WM-LE007, WM-LE008, WM-LE009, WM-LE010, WM-LE011, WM-LE012, WM-LE013

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Content

Part I : General

- 1.1 General description
- 1.2 Quality control system
- 1.3 List of applicable regulations and standards

Part II : Assessment of conformity

- 2.1 Essential health and safety requirements
- 2.2 Risk assessment

Part III : Test report

- 3.1 2006/42/EC
- 3.2 2014/35/EU
- 3.3 EN 12100:2010 test report
- 3.4 EN 60204-1:2018 test report
- 3.5 Safety items test report
- 3.6 Noise test report

Annex I : Technical Information

Annex II: Photo documentation

Part I : General

1.1 Product parameter

(Optional)ADAPTER Input: 100V-240V~ 50/60Hz 3.0A;

Output: 24V 7.5A 180W

Appliance Input: 12-24V 5-12A, 80-300W

1.2 General description

The main purpose of this product is laser engraving, basically, this kind of machine doesn't belong to hazard machine and with low risk when using it. All possible risk have been analysis in the risk assessment report and been prevent by suitable ways.

The main risk of this kind of machine could be:

- The risk of access to the power transmission elements.
- The risk of access to the electrical parts
- The risk of access to the move parts

In order to prevent the main risks mentioned above, the protection guarding systems are provided, and all the detail safety provision are constructed in accordance with the requirement of EN 60204-1, EN ISO 12100

In addition to the safety of the machinery mentioned above, the compliance of LVD directive is also an important part of putting CE mark on the machine. As for the compliance of LVD the inspection and test report carried out according to the European standard of EN 60204-1 was provided too.

In order to ensure the conformity for CE marking for these Large Format Laser Markin, some main European and/or International standards have been used to made assessment of conformity, they are :

- Machinery Directive: 2006/42/EC ANNEX I for assessmending of conformity about essential health and safety requirements.
- EN 60204-1 for checking of electrical equipment.
- EN ISO 12100 for checking the machinery safety.