



Technical Construction File
(EC declaration test report)
File (report) No: CTNT2411220100102R

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, A5 V2, A10 V2, A20 V2, A30 V2, A40 V2

Applicant

Shenzhen Yike Technology Co., Ltd.

No.422 building1 MingLiang Tech Park No.178 ZhuGuang north road NanShan ShenZhen

Manufacturer

Shenzhen AtomStack Technologies Co., Ltd.

17th Floor, Building 3A, Phase II, Intelligent Park, No. 76, Baohe Avenue, Baolong Street, Longgang Dist., Shenzhen, 518172, China

Prepared by

Shenzhen Zhongwei Testing Technology Co., Ltd

Room 1A106, 1/F., No.109, Lijia Road, Henggang, Henggang Street, Longgang District, Shenzhen, Guangdong, China

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Prepared by

Oliver Long

Approved by



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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 assessmting of conformity about essential health and safety requirements.
- EN 60204-1 for checking of electrical equipment.
- EN ISO 12100 for checking the machinery safety.

Note: The products in this report are consistent with the products in the original report (report No. :CTNT230411002R), only the product model is replaced, and the production technology and process are unchanged.