

TEST REPORT

REPORT NO.:CTNT230411006R



Product Name (製品): Laser engraving machine

Model No. (型番) : K1 Ultra

Applicant(申請者): Shenzhen Yike Technology Co., Ltd.

Test Procedure(テストカテゴリ): Entrustment Test

Shenzhen Zhongwei Testing Technology Co., Ltd.





TEST REPORT JIS C 62368-1 Audio/video, information and communication technology equipment – Part 1: Safety requirements	
試験報告書番号: Report Number..... :	CTNT230411006R
発行日 Date of issue..... :	May 23,2023
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申請者: Applicant's name	Shenzhen Yike Technology Co., Ltd.
Address..... :	No.422 building1 MingLiang Tech Park No.178 ZhuGuang north road NanShan ShenZhen
Manufacturer's name..... :	Shenzhen AtomStack Technologies Co., Ltd.
Address..... :	17th Floor, Building 3A, Phase II, Intelligent Park, No. 76, Baohe Avenue, Baolong Street, Longgang Dist., Shenzhen, 518172, China
Test specification: 測定基準: Standard	JIS C 62368-1: 2021
テストカテゴリ: Test procedure	Entrustment Test
Non-standard test method	N/A
Test Report Form No. :	IEC62368_1E
Test Report Form(s) Originator :	UL(US)
Master TRF	Dated 2022-04-14
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Remark: ---	
Test item description..... :	Laser engraving machine
Trade Mark(s)	N/A
Model/Type reference	K1 Ultra
Ratings	(Optional)ADAPTER Input: 100V-240V~ 50/60Hz 3.0A; Output: 24V  7.5A 180W Appliance Input: 12-24V  5-12A, 80-300W
Test item particulars:	
Product group	<input checked="" type="checkbox"/> end product <input type="checkbox"/> built-in component
Classification of use by	<input type="checkbox"/> Ordinary person <input type="checkbox"/> Children likely present <input checked="" type="checkbox"/> Instructed person <input type="checkbox"/> Skilled person
Supply connection	<input type="checkbox"/> AC mains <input type="checkbox"/> DC mains <input checked="" type="checkbox"/> not mains connected: <input checked="" type="checkbox"/> ES1 <input type="checkbox"/> ES2 <input type="checkbox"/> ES3
Supply tolerance	<input type="checkbox"/> +10%/-10% <input type="checkbox"/> +20%/-15% <input type="checkbox"/> + %/ - % <input checked="" type="checkbox"/> None
Supply connection – type	<input type="checkbox"/> pluggable equipment type A - <input type="checkbox"/> non-detachable supply cord <input type="checkbox"/> appliance coupler <input type="checkbox"/> direct plug-in <input type="checkbox"/> pluggable equipment type B - <input type="checkbox"/> non-detachable supply cord <input type="checkbox"/> appliance coupler <input type="checkbox"/> permanent connection <input type="checkbox"/> mating connector <input checked="" type="checkbox"/> other: Adapter power supply
Considered current rating of protective device	<input type="checkbox"/> A; Location: <input type="checkbox"/> building <input type="checkbox"/> equipment <input checked="" type="checkbox"/> N/A
Equipment mobility.....	<input checked="" type="checkbox"/> movable <input type="checkbox"/> hand-held <input type="checkbox"/> transportable <input type="checkbox"/> direct plug-in <input type="checkbox"/> stationary <input type="checkbox"/> for building-in <input type="checkbox"/> wall/ceiling-mounted <input type="checkbox"/> SRME/rack-mounted <input type="checkbox"/> other:
Overvoltage category (OVC)	<input type="checkbox"/> OVC I <input type="checkbox"/> OVC II <input type="checkbox"/> OVC III <input type="checkbox"/> OVC IV <input checked="" type="checkbox"/> other: Adapter power supply
Class of equipment	<input type="checkbox"/> Class I <input type="checkbox"/> Class II <input checked="" type="checkbox"/> Class III <input type="checkbox"/> Not classified <input type="checkbox"/>
Special installation location	<input checked="" type="checkbox"/> N/A <input type="checkbox"/> restricted access area <input type="checkbox"/> outdoor location <input type="checkbox"/>
Pollution degree (PD)	<input type="checkbox"/> PD 1 <input checked="" type="checkbox"/> PD 2 <input type="checkbox"/> PD 3
Manufacturer's specified T_{ma}.....	25 °C <input type="checkbox"/> Outdoor: minimum °C
IP protection class	<input checked="" type="checkbox"/> IPX0 <input type="checkbox"/> IP ____
Power systems	<input type="checkbox"/> TN <input type="checkbox"/> TT <input type="checkbox"/> IT - V _{L-L} <input checked="" type="checkbox"/> not AC mains

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Altitude during operation (m)	<input checked="" type="checkbox"/> 2000 m or less <input type="checkbox"/> m
Altitude of test laboratory (m)	<input type="checkbox"/> 2000 m or less <input type="checkbox"/> 84 m
Mass of equipment (kg)	N/A kg
Possible test case verdicts:	
- test case does not apply to the test object: N/A	
- test object does meet the requirement: P (Pass)	
- test object does not meet the requirement: F (Fail)	
Testing	
Date of receipt of test item	Apr 12,2023
Date (s) of performance of tests	Apr 12- Apr 19,2023
General remarks:	
<p>"(See Enclosure #)" refers to additional information appended to the report.</p> <p>"(See appended table)" refers to a table appended to the report.</p> <p>Throughout this report a <input type="checkbox"/> comma / <input checked="" type="checkbox"/> point is used as the decimal separator.</p> <p>Other important notes:</p> <ol style="list-style-type: none"> 1. If you have any objection to the inspection results in this report, please submit a written report to the company within 15 days from the date of receipt of the report. 2. Entrusting test only responsible for the incoming samples, and the test results are used by the entrusting party to understand the quality of the samples. 3. This test report is invalid without the "test stamp". 4. This report may not be reproduced in part without permission to avoid ambiguous interpretation. 5. Test items with "*" are unauthorized items 6. The remaining samples under test must be collected within three months of receipt of the inspection report. If the samples are not collected within the time limit, the laboratory will handle them by selves. 	

Copy of marking plate:

The artwork below may be only a draft. The use of certification marks on a product must be

Laser engraving machine
Model: K1 Ultra
Input: 12-24V  5-12A, 80-300W
Manufacture: Shenzhen AtomStack Technologies Co., Ltd.

Made in China

**General product information:**

- The appliance is used only indoor
- The tested product is a class III appliance.

Summary of testing:

Determination of the result includes consideration of measurement uncertainty from the test equipment and methods.

The under test model K1 Ultra and the series models 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 are identical except model name and appearance decoration. The differences do not affect product safety and performance.

Testing procedure and testing location

Laboratory name..... : Shenzhen Zhongwei Testing Technology Co., Ltd.

Testing location/address: : Room 106, 1/F, No. 109, Lijia Road, Henggang Community, Henggang Street, Longgang District, Shenzhen, Guangdong, China

Testing procedure : TL ☒ RMT ☐ SMT ☐ WMT ☐ TMP ☐

Tested By (Test Engineer) : Jackie Chen

Jackie Chen

Reviewed By (Supervisor) : Airan Lu

Airan Lu

Approved By (Chief Engineer) : Flight Lee



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