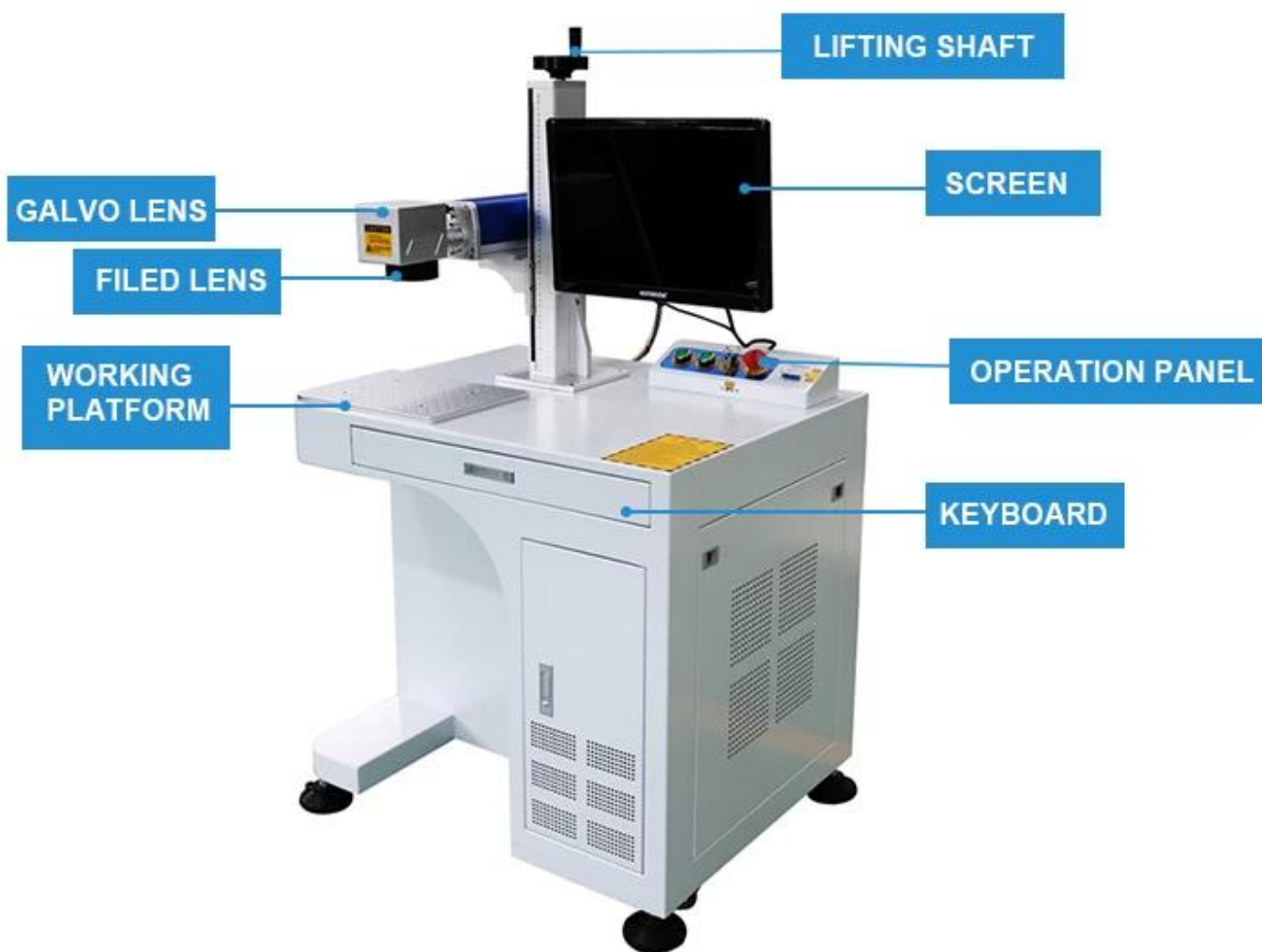


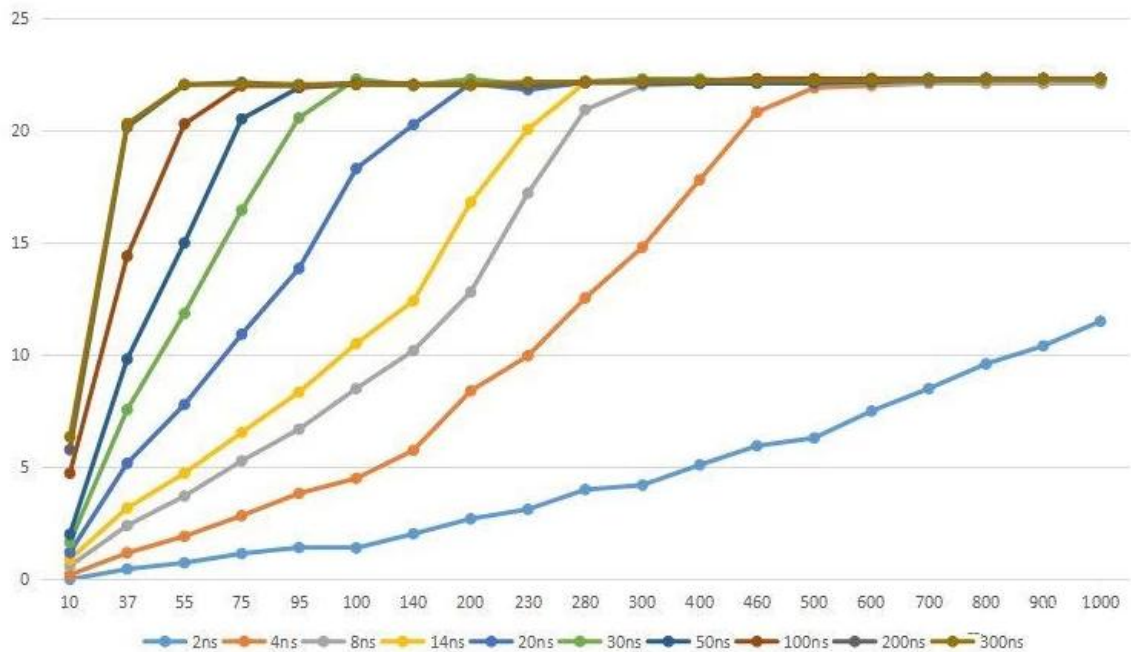
□□□ □□ □□	20W	30W
□□	1064nm	1064nm
□ □□ M2	□ 1.3	□ 1.3
□□□ □□□	20kHz ~ 1000kHz	20kHz ~ 1000kHz
□□ □□	100x100 ~ 300x300mm	100x100 ~ 300x300mm
□□ □□	8000-10000mm / s	8000-10000mm / s
□□ □□	0.2mm	0.2mm
□□ □□	0.01mm	0.01mm
□□ □□	≤0.3mm	≤0.3mm
□ □□	500W	500W
□□ □□□	± 0.002mm	± 0.002mm
□□	220 ± 10 %, 50 / 60Hz	220 ± 10 %, 50 / 60Hz
□□ □□	750mmx600mmx1400mm	750mmx600mmx1400mm
□□ □□□	□□ □□	□□ □□

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Laser Type	Unit	MOPA	
Product Model		YDFLP-20-M1+-S	YDFLP-30-M1+-S
M ²		<1.3	
Delivery Cable Length	m	2	
Nominal Average Output Power	W	>20	>30
Maximum Pulse Energy	mJ	0.5	
Full Power Repetition Range	kHz	40~1000	60~1000
Pulse Repetition Rate Range	kHz	1~1000	
Pulse Duration	ns	6~250	
Longtime Average Power stability	%	<5	
Cooling Method		Air Cooling	
Supply DC Voltage (VDC)	V	24	
Current Consumption	A	<8	<10
Current Supply Consumption	A	>8	>10
Power Consumption@20°C	W	<192	<240
Central Emission Wavelength	nm	1064	
Emission Bandwidth@3dB	nm	<15	
Polarization		Random	
Anti-Reflection Protection		Yes	
Output Beam Diameter	mm	7±0.5	
Output Power Tuning Range	%	0~100	
Operation Temperature	°C	0~40	
Storage Temperature	°C	-10~60	
Weight	KG	NG: 8 G.W:9.75	
Dimension W×D×H	mm	315×220×99	

Linear frequency - power - pulse width curve









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JPT MOPA M1+ 20W/30W





C E R T I F I C A T E

ATTESTATION CERTIFICATE OF MACHINERY AND LOW VOLTAGE DIRECTIVES

Technical file of the company mentioned below has been observed and audit has been completed successfully. 2006/42/EC Machinery Directive and 2014/ 35/EU Low Voltage Directive have been taken as references for these processes

Company Name : **Caman HAAS Laser Technology (Suzhou) Co., Ltd.**

Company Address : No 155, West Road Suhong, Suzhou Industrial Park, Suzhou City, Jiangsu , P.R.China

Related Directives and Annex : **Low Voltage Directive 2014/35/EU
Machinery Directive 2006/42/EC**

Related Standards : **EN ISO 12100:2010; EN 60204-1:2006+A1:2009+AC:2010**

Product Name : **Laser Marking Machine**

Report No and Date : SD-90049717;09.08.2018

Product Brand/Model/Type : LMCH-3W,LMCH-5W,LMCH-10W,LMCH-15W,LMCH-20W,LMCH-25W,
LMCH-30W,LMCH-50W,LMCH-60W,LMCH-70W,LMCH-100W,
LMCH-120W,LMCH-150W,LMCH-200W,LMCH-300W,LMCH-500W

Certificate Number : **M.2018.201.N6073**

Initial Assessment Date : 10.08.2018

Registration Date : 13.08.2018

Reissue Date/No :

Expiry Date : 12.08.2023


UDEM International Certification
Auditing Training Centre Industry
and Trade Inc. Co.

The validity of the certificate can be checked through www.udem.com.tr. The CE mark shown on the right can only be used under the responsibility of the manufacturer with the completion of EC Declaration of Conformity for all the relevant Directives. This certificate remains the property of UDEM International Certification Auditing Training Centre Industry and Trade Inc. Co. to whom it must be returned upon request. The above named firm must keep a copy of this certificate for 15 years from the registration of certificate. This certificate only covers the product(s) stated above and UDEM must be noticed in case of any changes on the product(s)

Address: Mutlukent Mahallesi 2073 Sokak (Eski 93 Sokak) No:10 Çankaya - Ankara - TURKEY

Phone: +90 0312 443 03 90 **Fax:** +90 0312 443 03 76

E-mail: info@udemltd.com.tr www.udem.com.tr





Certificate of Approval

Certificate No. : 10119Q12565ROM

Awarded to

**Carman Haas Laser Technology(SuZhou)
Co., Ltd.**

Organization Code Certificate No. / Unified Social Credit Code:91320594MA1MF4EP56
Add.:No.155, West Road Suhong, Suzhou Industrial Park, Suzhou City, Jiangsu Province, P.R. China. 215000

*Beijing ZhongLian TianRun Certification Center (ZLTR) certify that the
Quality Management System of the above organization has been assessed and found to be
in accordance with the requirements of the standard:
GB/T19001-2016 / ISO9001:2015*

SCOPE OF CERTIFICATION/REGISTRATION

**The Research and Development and Production of Optics Lenses (Except the limits of
national laws and regulations.)**

*This certificate is made valid when used with certification scopes and the requirements of applicable
laws and regulations. These requirements include, but are not limited to, administrative permits,
scopes of qualifications, and CCC requirements.*

Subject to operation conditions in requirements conformity with Quality Management System,

This Certificate is valid for a period of three years only,

Date from: Mar 13th,2019 To: Mar 12th,2022

*The effectiveness of this Certificate shall be Validated by periodic surveillance audit
of ZLTR for maintenance.*

Information of this certificate can be found on the official website of Beijing Zhonglian Tianrun
Certification center (<http://www.zltr.com.cn>)



Beijing Zhongliantianrun Certification Center

Room2603, 22nd Floor, 2nd Unit, Block 1, No.4 Yard, Qiyang Road, Chaoyang District, Beijing, P.R. China 100102

Information of this certificate can be found on the official website of Certification and Accreditation Administration of the People's Republic of China (<http://www.cnca.gov.cn>)

ISO 9001

ISO 9001



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□□ □□□ □□	110x90x78cm
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Q1. □□□□□□□?

A1 : □□□□□, □□□ □□□ □□□ □ □ □□ □□□ □□ □□□□□ □□□□□□□.

Q2. □□□ □□□ □□□□□?

A2 : 我們 提供 QC 的 服務 包括 產品 的 品質 檢查, 我們 也 提供 產品 的 包裝 檢查。

Q3. 我們 提供 什麼 服務?

A3 : 我們 提供 產品 的 品質 檢查 和 包裝 檢查 服務。

Q4. 我們 提供 什麼 服務?

A4 : 我們 提供, 產品 的 品質 檢查, 包裝 檢查, 產品 的 包裝 檢查, 我們 也 提供 包裝 檢查 服務。

Q5. 我們 提供 什麼 服務 和 產品 的 品質 檢查?

A5 : 我們 提供! 我們 提供 產品 的 品質 檢查 和 包裝 檢查 服務。

Q6. 我們 提供 什麼 服務?

A6 : 我們 提供, 我們 提供 產品 的 品質 檢查 和 包裝 檢查 服務。

Q7. OEM 和 ODM 我們 提供 什麼 服務?

A7 : 我們 提供 OEM / ODM 產品 的 品質 檢查 和 包裝 檢查 服務。我們 也 提供 產品 的 品質 檢查 和 包裝 檢查 服務。

Q8. 我們 提供 什麼 服務?

A8 : 我們 提供 T / T 產品 的 品質 檢查 和 包裝 檢查 服務。

我們 提供:

(1) 我們 提供 產品 的 品質 檢查, 我們 提供 DHL, UPS, TNT, EMS 服務

(2) 我們 提供 產品 的 品質 檢查, 我們 提供 EXEX, FOB, CNF, CIF 產品 的 品質 檢查 和 包裝 檢查 服務。