

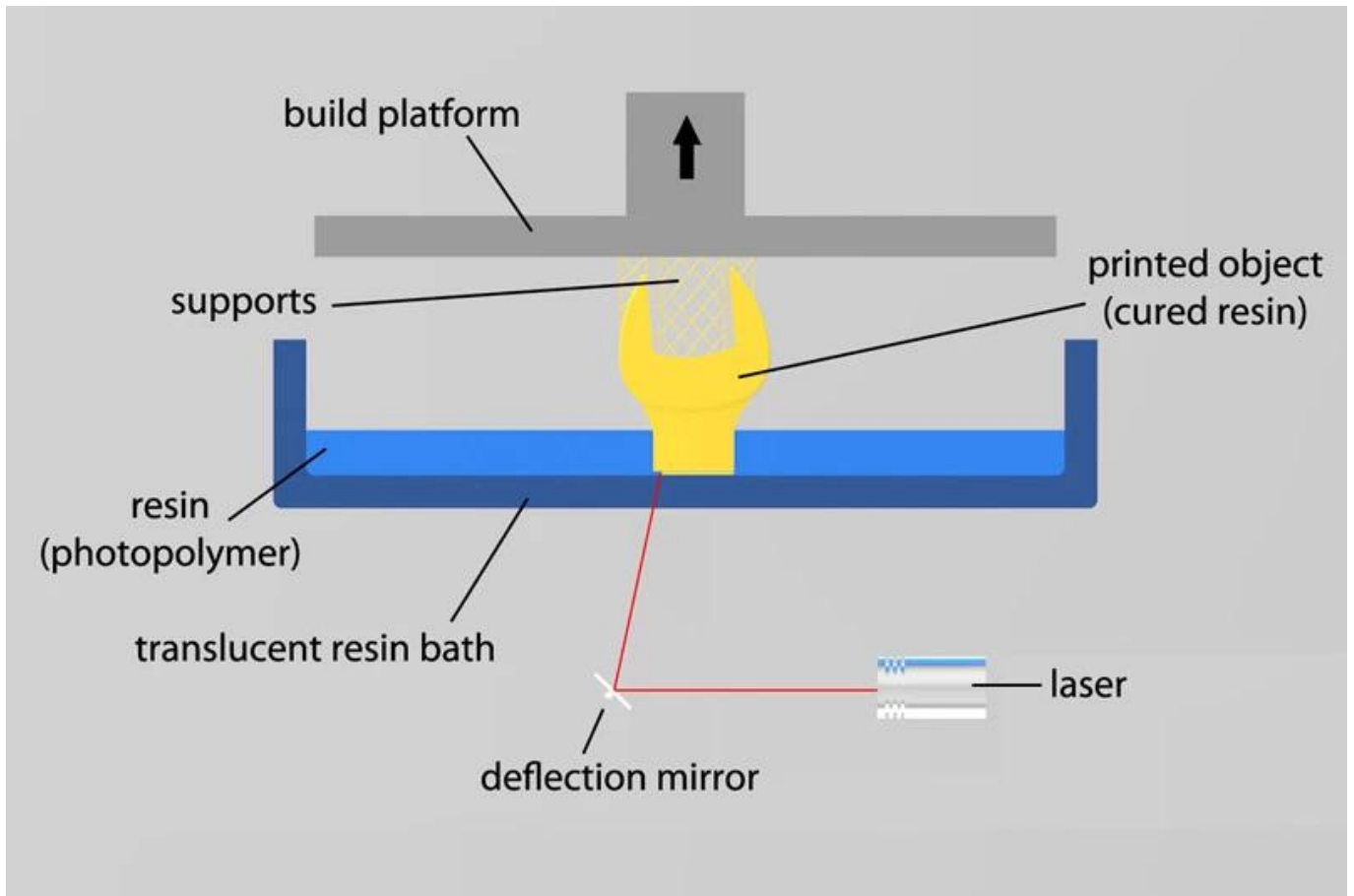


Produktbeschreibung:

SLA (Stereolithographie) ist ein additiver Fertigungsprozess, der durch Fokussieren eines UV-Lasers auf eine Mehrwertsteuer des Photopolymerharzes arbeitet. Mit Hilfe von computergestützten Fertigungs- oder Computer-Hilfsmittel-Designs (CAM / CAD) -Software wird der UV-Laser verwendet, um ein vorprogrammiertes Design oder eine Form an der Oberfläche des Photopolymerteils zu zeichnen. Photopolymere sind empfindlich gegenüber ultraviolettem Licht, so dass das Harz photochemisch verfestigt ist und eine einzelne Schicht des gewünschten 3D-Objekts bildet. Dieser Prozess wird für jede Entwurfsschicht wiederholt, bis das 3D-Objekt abgeschlossen ist. ([China UV-Linse zum Verkauf](#))

Carmanhaas könnte Kunden anbieten, dass der optische System hauptsächlich ein schnelles Galvanometer-Scanner und das F-Theta-Scan-Objektiv, einen Strahl-Expander, den Spiegel usw. umfasst.





Technische Parameter:

355nm Galvo Scannerkopf

| Model | PSH14-H | PSH20-H | PSH30-H |
|--|---|---|---|
| Water cool/sealed scan head | yes | yes | yes |
| Aperture (mm) | 14 | 20 | 30 |
| Effective Scan Angle | ±10° | ±10° | ±10° |
| Tracking Error | 0.19 ms | 0.28ms | 0.45ms |
| Step Response Time(1% of full scale) | ≤ 0.4 ms | ≤ 0.6 ms | ≤ 0.9 ms |
| Typical Speed | | | |
| Positioning / jump | < 15 m/s | < 12 m/s | < 9 m/s |
| Line scanning/raster scanning | < 10 m/s | < 7 m/s | < 4 m/s |
| Typical vector scanning | < 4 m/s | < 3 m/s | < 2 m/s |
| Good Writing quality | 700 cps | 450 cps | 260 cps |
| High writing quality | 550 cps | 320 cps | 180 cps |
| Precision | | | |
| Linearity | 99.9% | 99.9% | 99.9% |
| Resolution | ≤ 1 urad | ≤ 1 urad | ≤ 1 urad |
| Repeatability | ≤ 2 urad | ≤ 2 urad | ≤ 2 urad |
| Temperature Drift | | | |
| Offset Drift | ≤ 3 urad/°C | ≤ 3 urad/°C | ≤ 3 urad/°C |
| Over 8hours Long-Term Offset Drift (After 15min warn-up) | ≤ 30 urad | ≤ 30 urad | ≤ 30 urad |
| Operating Temperature Range | 25°C±10°C | 25°C±10°C | 25°C±10°C |
| Signal Interface | Analog: ±10V Digital: XY2-100 protocol | Analog: ±10V Digital: XY2-100 protocol | Analog: ±10V Digital: XY2-100 protocol |
| Input Power Requirement (DC) | ±15V@ 4A Max RMS | ±15V@ 4A Max RMS | ±15V@ 4A Max RMS |

355nm F-Theta-Objektive

| Part Description | Focal Length (mm) | Scan Field (mm) | Max Entrance Pupil (mm) | Working Distance(mm) | Mounting Thread |
|------------------------|-------------------|-----------------|-------------------------|----------------------|-----------------|
| SL-355-360-580 | 580 | 360x360 | 16 | 660 | M85x1 |
| SL-355-520-750 | 750 | 520x520 | 10 | 824.4 | M85x1 |
| SL-355-610-840-(15CA) | 840 | 610x610 | 15 | 910 | M85x1 |
| SL-355-800-1090-(18CA) | 1090 | 800x800 | 18 | 1193 | M85x1 |

355nm-Strahl-Expander.

| Part Description | Expansion Ratio | Input CA (mm) | Output CA (mm) | Housing Dia(mm) | Housing Length(mm) | Mounting Thread |
|--------------------------------------|-----------------|---------------|----------------|-----------------|--------------------|-----------------|
| BE3-355-D30:84.5-3x-A(M30*1-M43*0.5) | 3X | 10 | 33 | 46 | 84.5 | M30*1-M43*0.5 |
| BE3-355-D33:84.5-5x-A(M30*1-M43*0.5) | 5X | 10 | 33 | 46 | 84.5 | M30*1-M43*0.5 |
| BE3-355-D33:80.3-7x-A(M30*1-M43*0.5) | 7X | 10 | 33 | 46 | 80.3 | M30*1-M43*0.5 |
| BE3-355-D30:90-8x-A(M30*1-M43*0.5) | 8X | 10 | 33 | 46 | 90.0 | M30*1-M43*0.5 |
| BE3-355-D30:72-10x-A(M30*1-M43*0.5) | 10X | 10 | 33 | 46 | 72.0 | M30*1-M43*0.5 |

355nmSpiegel

| Teilbeschreibung | Durchmesser (mm) | Dicke (mm) | Glasuren |
|------------------|------------------|------------|-----------------------|
| 355.Spiegel | 30. | 3 | HR @ 355nm, 45 ° Aoi |
| 355.Spiegel | 20. | 5. | HR @ 355nm, 45 ° Aoi. |
| 355.Spiegel | 30. | 5. | HR @ 355nm, 45 ° Aoi. |

SLA Optical System Lieferant



PHYSICAL CHARACTERISTICS (LIQUID STATE)

Appearance: White liquid
Density: 1.10 g/cm³ @25°C
Viscosity: 450 CPS @25°C
Dp: ≥0.16 mm
Ec: 8.5 mJ/cm²

MOLDING PERFORMANCE A

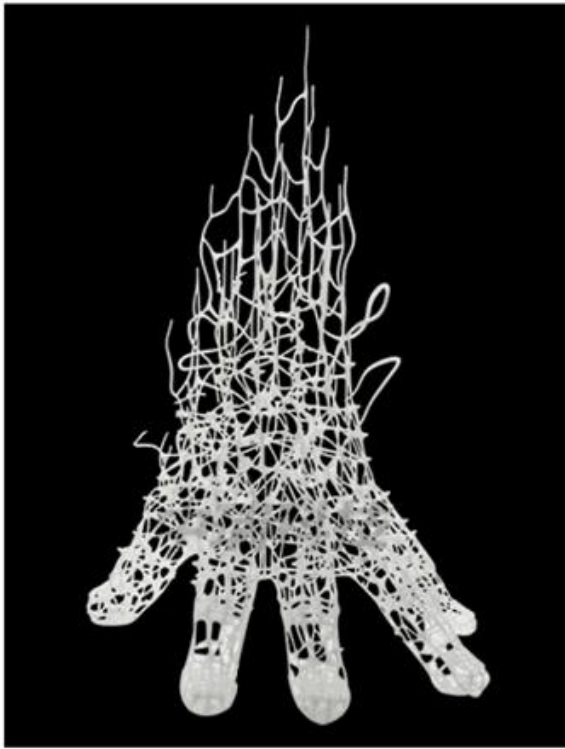
MOLDING PERFORMANCE
@355nm point laser
@330mW power
@5.0m/s scanning
@No UV post-cure

Bending Modulus: 1500~1700 MPa
Bending Strength: 55~60 MPa
Notched Impact Strength: 60~68 J/m
1.2mm Bend Angle: 140~170°

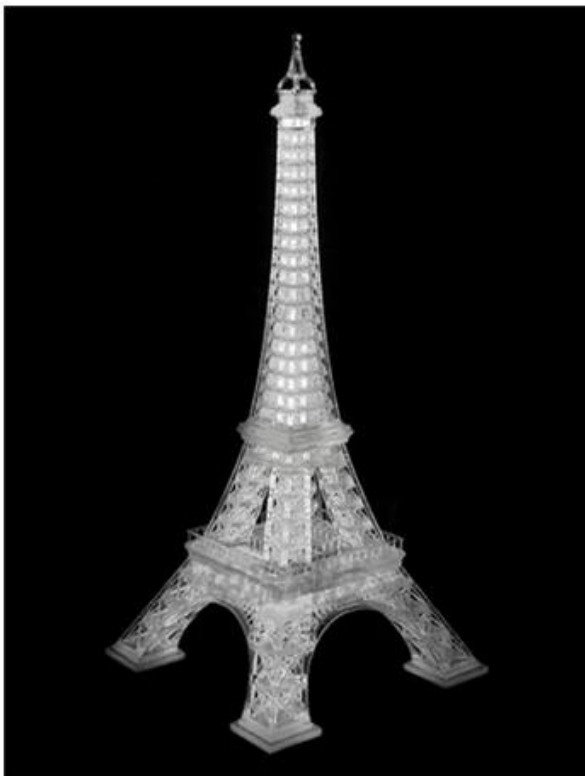
MOLDING PERFORMANCE B

MOLDING PERFORMANCE
@90min UV post-cure

Bending Modulus: 2688~2790 MPa
Bending Strength: 66~73 MPa
Notched Impact Strength: 60~68 J/m
Hardness: 88
Elongation at break: 10~15%
HDT Heat deflection temperature: 52 °C
Tg Glass transition temperature: 62 °C
CTE Coefficient of thermal expansion: 93*E-6



| | |
|--|---|
| PHYSICAL CHARACTERISTICS (LIQUID STATE) | Appearance: White liquid Density: 1.10 g/cm ³ @25°C Viscosity: 400 CPS @25°C Dp: ≥0.16 mm Ec: 7.9 mJ/cm ² |
| | MOLDING PERFORMANCE A MOLDING PERFORMANCE @355nm point laser @330mW power @5.0m/s scanning @No UV post-cure Bending Modulus: 2000~2300 MPa Bending Strength: 75~85 MPa Notched Impact Strength: 35~45 J/m 1.2mm Bend Angle: ≥170~180° |
| MOLDING PERFORMANCE B MOLDING PERFORMANCE @90min UV post-cure | Bending Modulus: 2813~3520 MPa Bending Strength: 83~90 MPa Notched Impact Strength: 42~50 J/m Hardness: 87~92 Elongation at break: 13~20% HDT Heat deflection temperature: 52 °C Tg Glass transition temperature: 62 °C CTE Coefficient of thermal expansion: 93*E-6 |



| | |
|--|---|
| PHYSICAL CHARACTERISTICS (LIQUID STATE) | Appearance: Transparent liquid Pale Purple Density: 1.10 g/cm ³ @25°C Viscosity: 190 CPS @25°C Dp: ≥0.18 mm Ec: 6.9 mJ/cm ² |
| | MOLDING PERFORMANCE A MOLDING PERFORMANCE @355nm point laser @150mW power @5.0m/s scanning @No UV post-cure Appearance: High Transparency Transmittance: 85% (MAX) Bending Modulus: 1500~1700 MPa Bending Strength: 45~55 MPa Notched Impact Strength: 25~35 J/m 1.2mm Bend Angle: 140~170° |
| MOLDING PERFORMANCE B MOLDING PERFORMANCE @90min UV post-cure | Bending Modulus: 1890~2340 MPa Bending Strength: 55~62 MPa Notched Impact Strength: 40~55 J/m Hardness: 79 Elongation at break: 10~15% HDT Heat deflection temperature: 52 °C Tg Glass transition temperature: 62 °C CTE Coefficient of thermal expansion: 93*E-6 |

Real ABS (ABS Like)



| | |
|---|---|
| <p>PHYSICAL CHARACTERISTICS (LIQUID STATE)</p> | <p>Appearance: Bright yellow liquid Density: 1.10 g/cm³ @25°C Viscosity: 400 CPS @25°C Dp: ≥0.16 mm Ec: 7.9 mJ/cm²</p> |
| <p>MOLDING PERFORMANCE A MOLDING PERFORMANCE @355nm point laser @330mW power @5.0m/s scanning @No UV post-cure</p> | <p>Bending Modulus: 2000~2300 MPa Bending Strength: 75~85 MPa Notched Impact Strength: 35~45 J/m 1.2mm Bend Angle: ≥170~180°</p> |
| <p>MOLDING PERFORMANCE B MOLDING PERFORMANCE @90min UV post-cure</p> | <p>Bending Modulus: 2813~3520 MPa Bending Strength: 83~90 MPa Notched Impact Strength: 42~50 J/m Hardness: 87~92 Elongation at break: 13~20% HDT Heat deflection temperature: 52 °C Tg Glass transition temperature: 62 °C CTE Coefficient of thermal expansion: 93*E-6</p> |

Red Wood (Tooling Board Like)



| | |
|---|---|
| <p>PHYSICAL CHARACTERISTICS (LIQUID STATE)</p> | <p>Appearance: Epoxy Tooling Board Like (Pink) liquid Density: 1.10 g/cm³ @25°C Viscosity: 400 CPS @25°C Dp: ≥0.16 mm Ec: 7.9 mJ/cm²</p> |
| <p>MOLDING PERFORMANCE A MOLDING PERFORMANCE @355nm point laser @330mW power @5.0m/s scanning @No UV post-cure</p> | <p>Bending Modulus: 2000~2300 MPa Bending Strength: 75~85 MPa Notched Impact Strength: 35~45 J/m 1.2mm Bend Angle: ≥170~180°</p> |
| <p>MOLDING PERFORMANCE B MOLDING PERFORMANCE @90min UV post-cure</p> | <p>Bending Modulus: 2813~3520 MPa Bending Strength: 83~90 MPa Notched Impact Strength: 42~50 J/m Hardness: 87~92 Elongation at break: 13~20% HDT Heat deflection temperature: 52 °C Tg Glass transition temperature: 62 °C CTE Coefficient of thermal expansion: 93*E-6</p> |



Desktop FDM

Industrial FDM

Desktop SLA

Industrial SLA

Industrial SLS







Factory







重要仪器,
非专业人士勿动。

OptiCentric 300

TRIOPTICS





PerkinElmer Lambda 950---Testing Transmission and Reflectivity







CERTIFICATE

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 : **Camnan 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**

Signature
UDM 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 notified in case of any changes on the product(s)
Address: Mulkikent Mahallesi 2073 Sokak (Eski 93 Sokak) No:10 Çankaya - Ankara - TÜRKİYE
Phone: +90 0312 443 03 90 Fax: +90 0312 443 03 70
E-mail: info@udemtd.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:91320594M1MF4EP56
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



Packing List



Rücknahmegarantie:

Sollte zurücksendet sein:

Schritt 1) Kontaktieren Sie uns mit dieser Website-E-Mail.

Schritt 2) Sorgen Sie so viel Details wie möglich über das Problem, das Sie haben.

Schritt 3) Berechtigung zur Rücksendung des Artikels wird ausgegeben.

Schritt 4) Geben Sie den Artikel für den vereinbarten Ersatz oder die Erstattung zurück.

Logistik:

(1) Für die Anordnung der Laseroptik können Sie mit DHL, UPS, FedEx, TNT, EMS, ETS optional sein

(2) für Laser Maschine Auftrag Lieferung, Dose Sein Optional mit Bedingungen von Abgeordnete FOB, CNF, CIF Von Luft oder von Meer basierend Andas Käufer Spediteure oder unsere.



FAQ

F1. Alle Sie ein Hersteller?

A1: Ja, wir sind professioneller und erfahrener Hersteller mit eigenen Formen und Produktionslinien.

F2. Wie über die Qualität der Produkte?

A2: Unsere Techniker und QC-Teams testen die Produkte nach einem von einer Alterungslinie, professionellen Geräten und Instrumenten, um die Qualität für alle Produkte zu gewährleisten.

F3. Wie über den Preis?

A3: Wir sind Hersteller und bieten unseren Kunden immer die wettbewerbsfähigsten Preise an.

F4. Wiehen Sie eine Bestellung auf?

A4: Kontakt mit dem Online-Service oder per E-Mail direkt an uns gesendet, wir antworten Ihnen bald mit Produktpreis, Spezifikationen, Verpackungen usw.. Dankeschön.

Q5. MAY Ich sende Material, um die Markierungsleistung zu testen?

A5: Ja! Gerne können Sie Material senden, um unsere überlegene Qualität und Ihren Service zu testen.

Q6. can Ich besuche deine Fabrik?

A6: Ja, willkommen, unsere Fabrik zu Ihrer günstigen Zeit zu besuchen.

F7. Wie kann ich OEM- oder ODM-Bestellungen machen?

A7: Wir haben unterschiedliche Druckverarbeitung für verschiedene OEM / ODM-ORD. Bitte kontaktieren Sie uns mit einem Online-Service oder senden Sie uns E-Mail direkt an uns.

Q8. Wie soll ich für meine Bestellungen bezahlen?

A8: Sie können von t / t zahlen, um für qualifizierte Bank und MOQ für jede Bestellung erforderlich zu sein.