



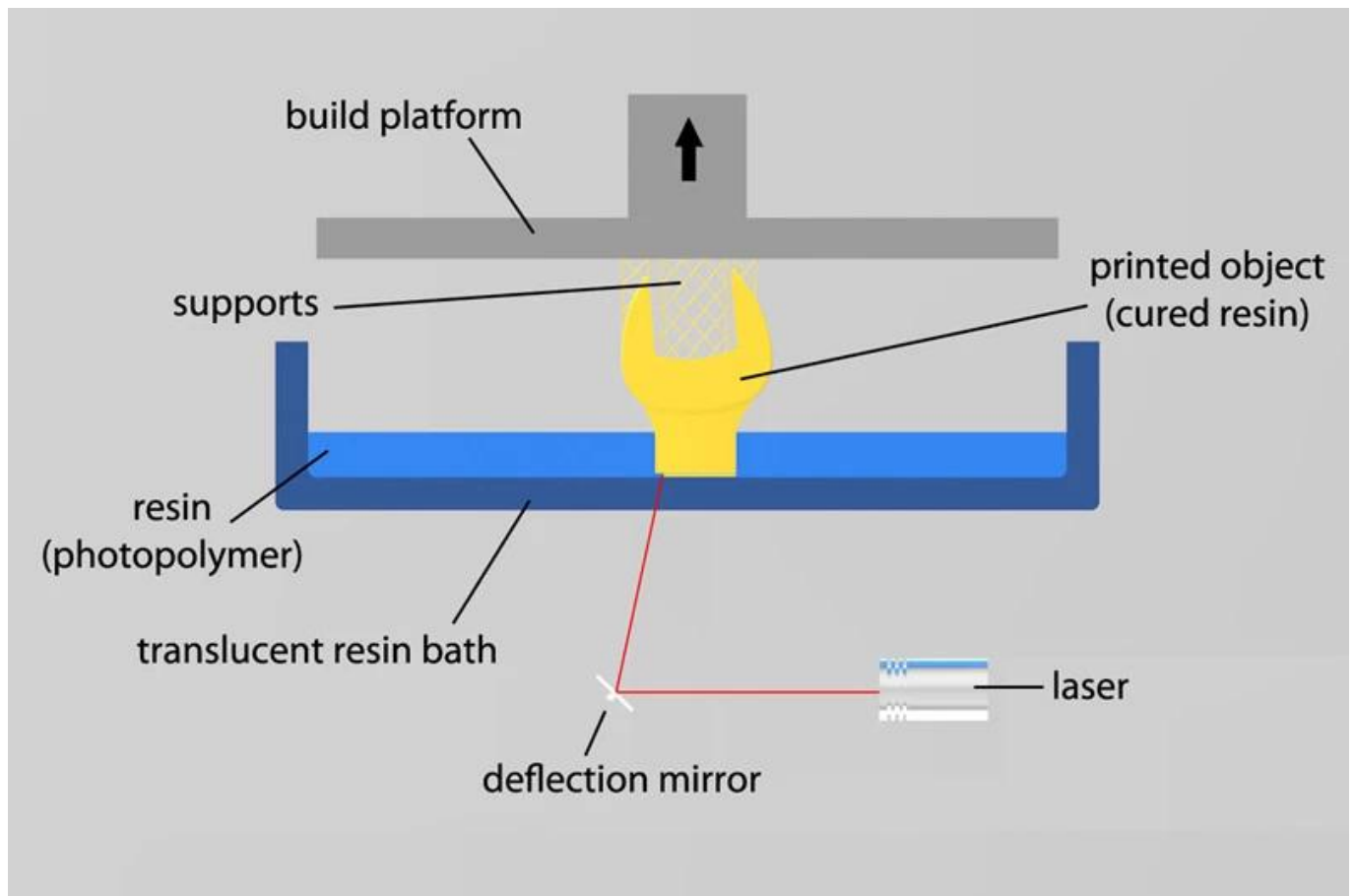
Description du produit:

SLA (stéréolithographie) est un processus de fabrication additif qui fonctionne en focalisant un laser UV sur une TVA de résine photopolymère. Avec l'aide de la fabrication assistée par ordinateur ou de la conception assistée par ordinateur (CAM / CAD), le laser UV est utilisé pour dessiner une conception ou une forme préprogrammée à la surface de la TVA photopolymère. Les photopolymères sont sensibles à la lumière ultraviolette. La résine est donc photochimiquement solidifiée et forme une seule couche de l'objet 3D souhaité. Ce processus est répété pour chaque couche de la conception jusqu'à la fin de l'objet 3D.

Carmanhaas pourrait offrir aux clients que le système optique comprend principalement un scanner de galvanomètre rapide et une lentille de balayage F-theta, un extension de faisceau, un miroir, etc.

[Chine UV F-theta Lens Grossales usine](#)





Paramètres techniques:

Tête de scanner galvo 355nm

[355 Scanner Galvo en vente](#)

| 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 |

Lentilles de 355nm F-thêta

| 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 |

Expandeur de faisceau de 355nm

| 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 |

355nmMiroir

| PartieLa description | Diamereter (mm) | Épaisseur (mm) | enrobage |
|----------------------|-----------------|----------------|----------------------|
| 355Miroir | 30 | 3 | Hr @ 355nm, 45 ° AOI |
| 355Miroir | 20 | 5 | Hr @ 355nm, 45 °Aoi |
| 355Miroir | 30 | 5 | Hr @ 355nm, 45 °Aoi |



PHYSICAL CHARACTERISTICS (LIQUID STATE)

| | |
|-------------|------------------------------|
| Appearance: | White liquid |
| Density: | 1.10 g/cm ³ @25°C |
| Viscosity: | 450 CPS @25°C |
| Dp: | ≥0.16 mm |
| Ec: | 8.5 mJ/cm ² |

MOLDING PERFORMANCE A

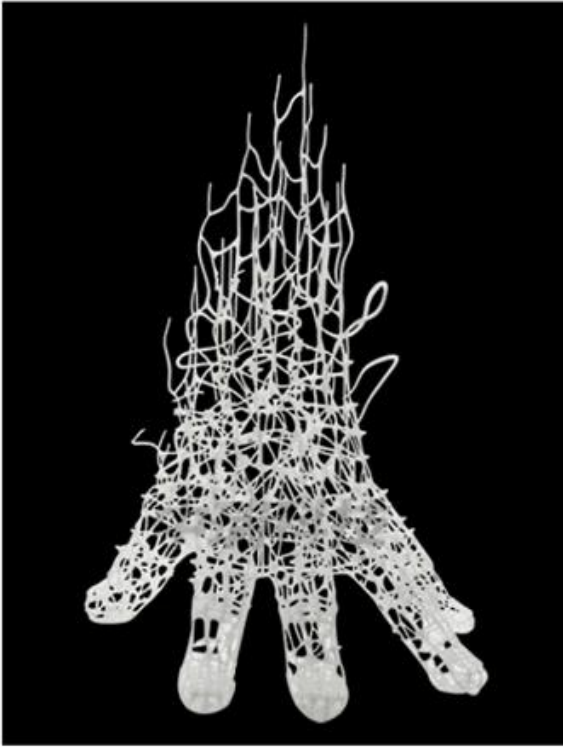
MOLDING PERFORMANCE
 @355nm point laser
 @330mW power
 @5.0m/s scanning
 @No UV post-cure

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

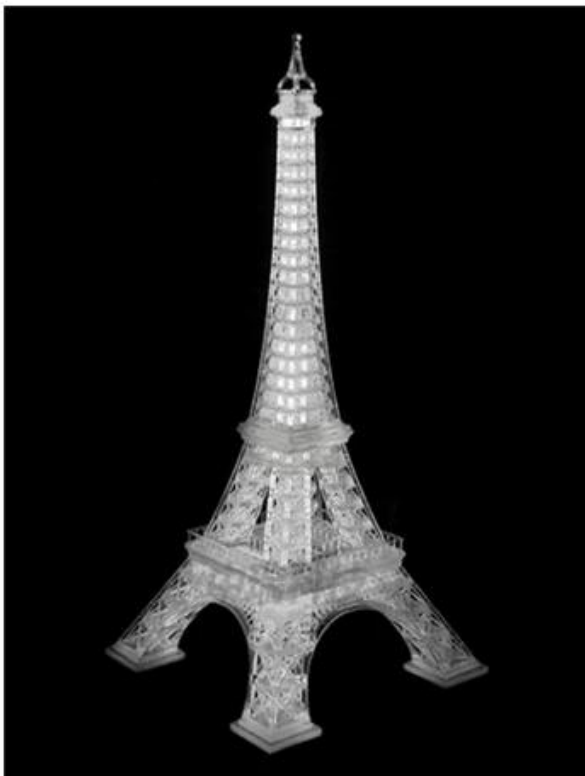
MOLDING PERFORMANCE B

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



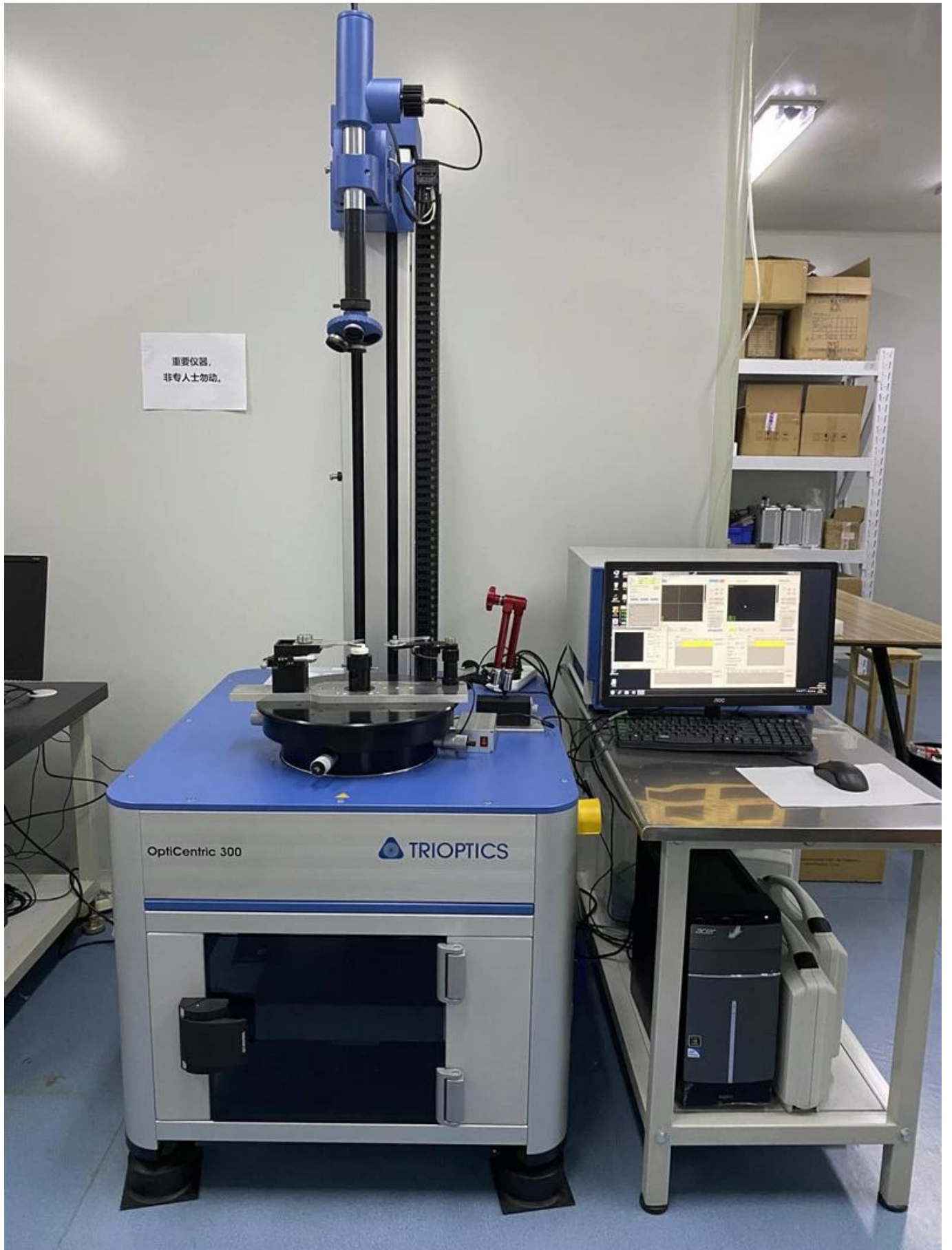




Factory





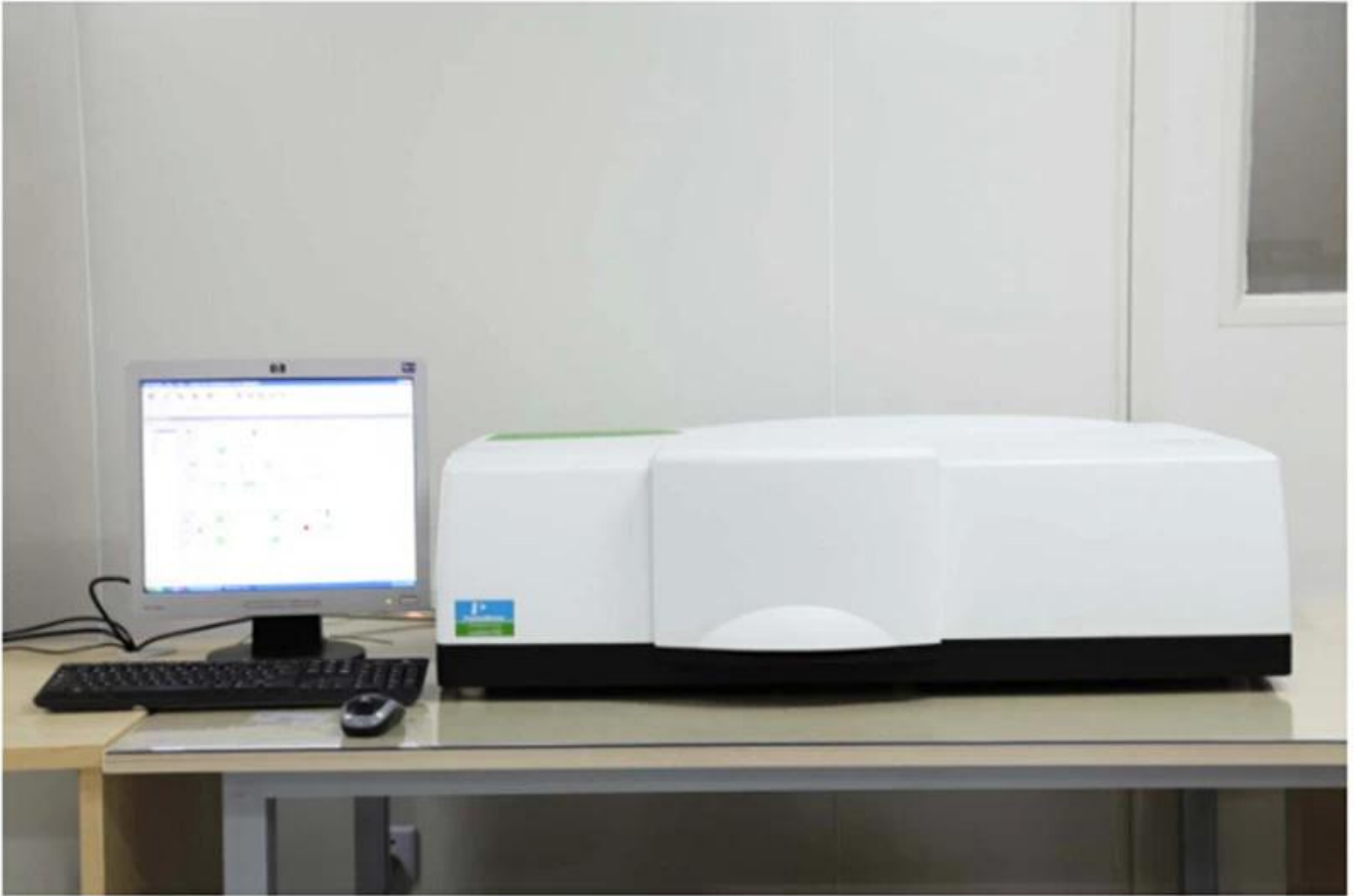


重要仪器,
非专业人士勿动。

OptiCentric 300

TRIOPTICS





PerkinElmer Lambda 950---Testing Transmission and Reflectivity







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 : **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**

U. Bayraktar
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 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>)

ISO 9001

ISO 9001



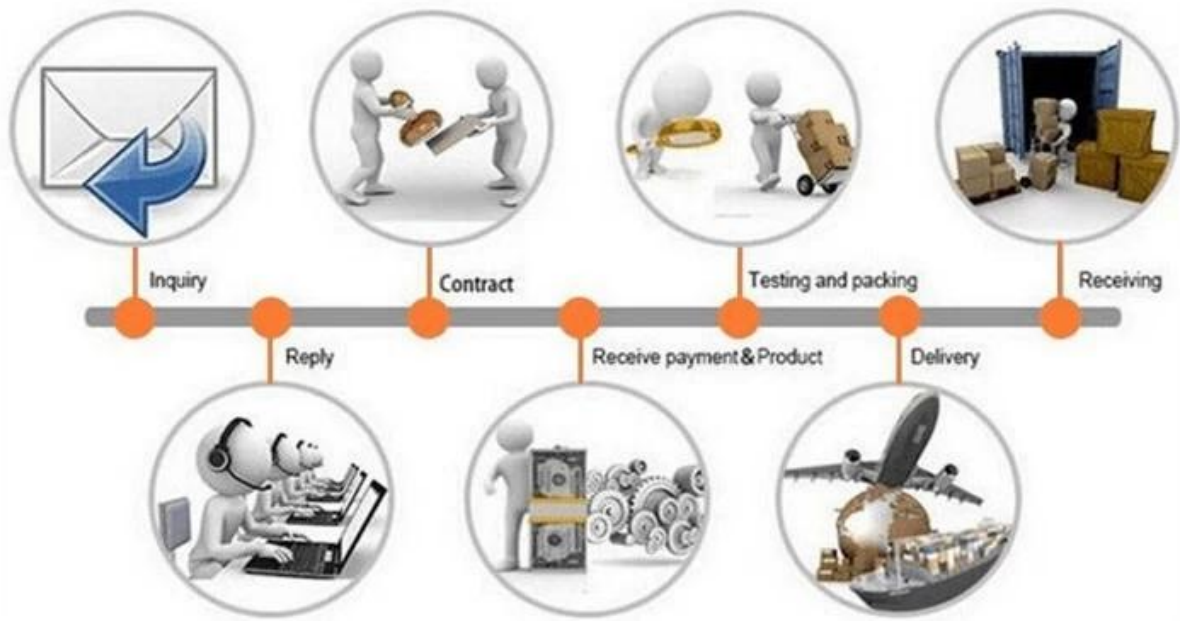
Beijing Zhongliantianrun Certification Center

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>)



Packing List



Politique de retour:

Devrait être requis:

Étape 1) Contactez-nous avec ce site Web par courrier électronique.

L'étape 2) fournit le plus de détails possible sur le problème que vous rencontrez.

Étape 3) L'autorisation de renvoyer l'article sera émise.

Étape 4) Remettez l'article pour le remplacement ou le remboursement convenus.

Logistique:

(1) Pour la livraison de commandes d'optique au laser, peut être facultative avec DHL, UPS, FedEx, TNT, EMS, ETS

(2) pour Lasermachineordrelivraison, peut être optionnel avec termes de Ancien emploi Fob, cnf, cif Par Air ou par Mer basé aux Acheteur transitaires ou les notres.



FAQ

Q1. Atrez-vous un fabricant?

A1: Oui, nous sommes fabricants professionnels et expérimentés avec nos propres moules et lignes de production.

Q2. Comment la qualité des produits?

A2: Nos techniciens et équipes de QC testent les produits un par un à l'aide de la ligne de vieillissement, des appareils et des instruments professionnels pour assurer la qualité de tous les produits.

Q3. Comment le prix?

A3: Nous sommes un fabricant et nous proposons toujours à nos clients les prix les plus compétitifs.

Q4. Comment passer une commande?

A4: Contact avec le service en ligne ou envoyé un courrier électronique à nous directement, nous vous répondrons avec le prix du produit, les spécifications, l'emballage, etc. bientôt. Merci.

Q5. May j'envoie du matériel pour tester les performances de marquage?

A5: Oui! Vous êtes invité à envoyer du matériel pour tester notre qualité et notre service supérieur.

Q6. can je visite votre usine?

A6: Oui, bienvenue pour visiter notre usine à votre moment opportun.

Q7. Comment-je faire des commandes OEM ou ODM?

A7: Nous avons un traitement d'impression différent pour différents orders OEM / ODMers. S'il vous plaît contactez-nous avec un service en ligne ou envoyez-nous un e-mail directement.

Q8. Comment devrais-je payer mes commandes?

A8: Vous pouvez payer par T / T serait disponible pour la banque qualifiée et le MOQ requis pour chaque

commande.