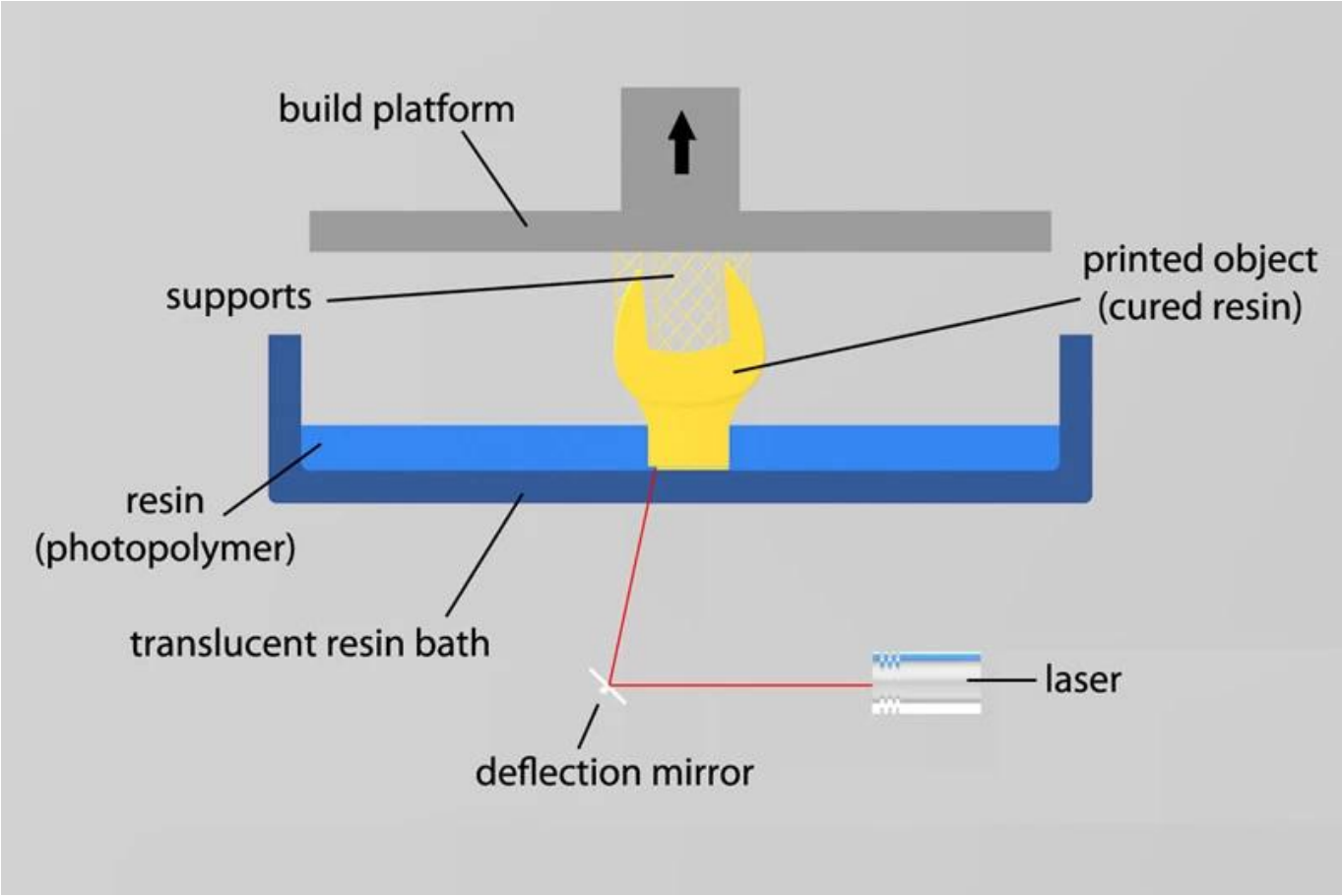
informação do produto

Descrição do produto:

SLA (estereolitografia) é um processo de fabricação aditivo que funciona concentrando um laser UV para um IVA de resina do fotopolímero. (**SLA Optical System fornecedor China**) Com a ajuda do software de projeto de fabricação de fabricação ou computador auxiliado por computador (CAM / CAD), o laser UV é usado para desenhar um projeto ou forma pré-programada para a superfície do IVA do fotopolímero. Os fotopolímeros são sensíveis à luz ultravioleta, de modo que a resina é fotoquimicamente solidificada e forma uma única camada do objeto 3D desejado. Este processo é repetido para cada camada do projeto até que o objeto 3D esteja completo.

Carmanthaas. **3D Galvo Scanner Company China** poderia oferecer ao cliente o sistema óptico inclui principalmente o scanner de galvanômetro rápido e a lente de varredura F-Theta, expansor de feixe, espelho, etc.



Parâmetros técnicos:

Cabeça de scanner de galvo 355nm

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/℃	≤ 3 urad/℃	≤ 3 urad/℃
Qver 8hours Long-Term Offset Drift （After 15min warn-up）	≤ 30 urad	≤ 30 urad	≤ 30 urad
Operating Temperature Range	25℃±10℃	25℃±10℃	25℃±10℃
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

Lentes de 355nm F-Theta

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

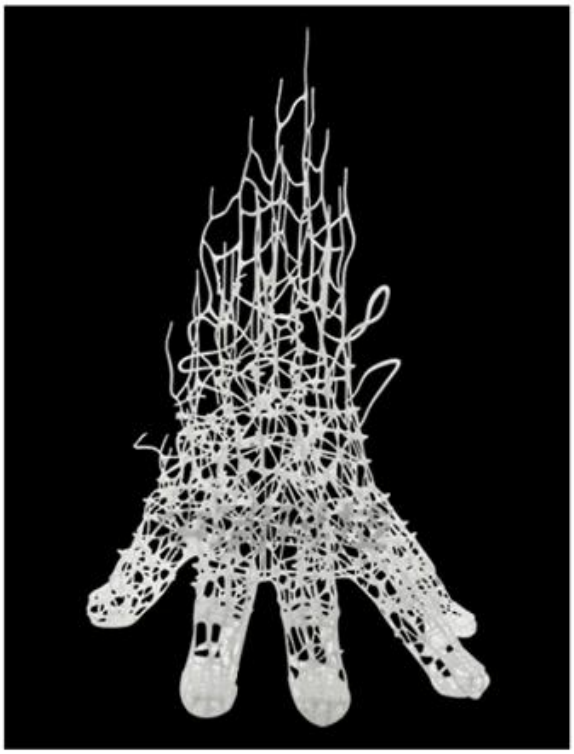
Expansor de feixe 355nm.

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

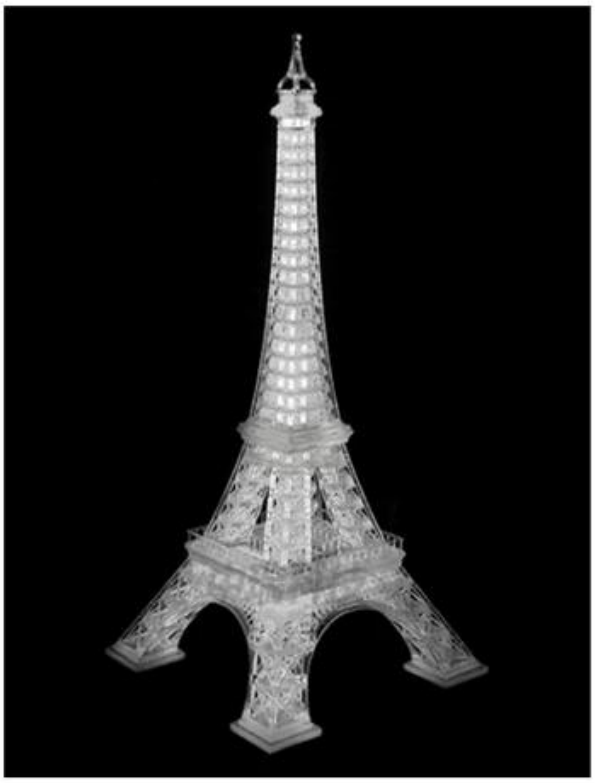
355nm.Espelho

PapelDescrição	Diamoeter (mm)	Espessura (mm)	Revestimento
355.Espelho	30.	3.	HR @ 355NM, 45 ° AOI
355.Espelho	20.	5.	HR @ 355nm, 45 °Aoi.
355.Espelho	30.	5.	HR @ 355nm, 45 °Aoi.

PHYSICAL CHARACTERISTICS (LIQUID STATE)	Appearance:	White liquid
	Density:	1.10 g/cm³ @25℃
	Viscosity:	450 CPS @25℃
	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 ℃
	Tg Glass transition temperature:	62 ℃
	CTE Coefficient of thermal expansion:	93*E-6



PHYSICAL CHARACTERISTICS (LIQUID STATE)	Appearance: White liquid Density: 1.10 g/cm³ @25℃ Viscosity: 400 CPS @25℃ Dp: ≥0.16 mm Ec: 7.9 mJ/cm²
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 ℃ Tg Glass transition temperature: 62 ℃ CTE Coefficient of thermal expansion: 93*E-6



PHYSICAL CHARACTERISTICS (LIQUID STATE)	Appearance: Transparent liquid Pale Purple Density: 1.10 g/cm³ @25℃ Viscosity: 190 CPS @25℃ Dp: ≥0.18 mm Ec: 6.9 mJ/cm²
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 ℃ Tg Glass transition temperature: 62 ℃ CTE Coefficient of thermal expansion: 93*E-6

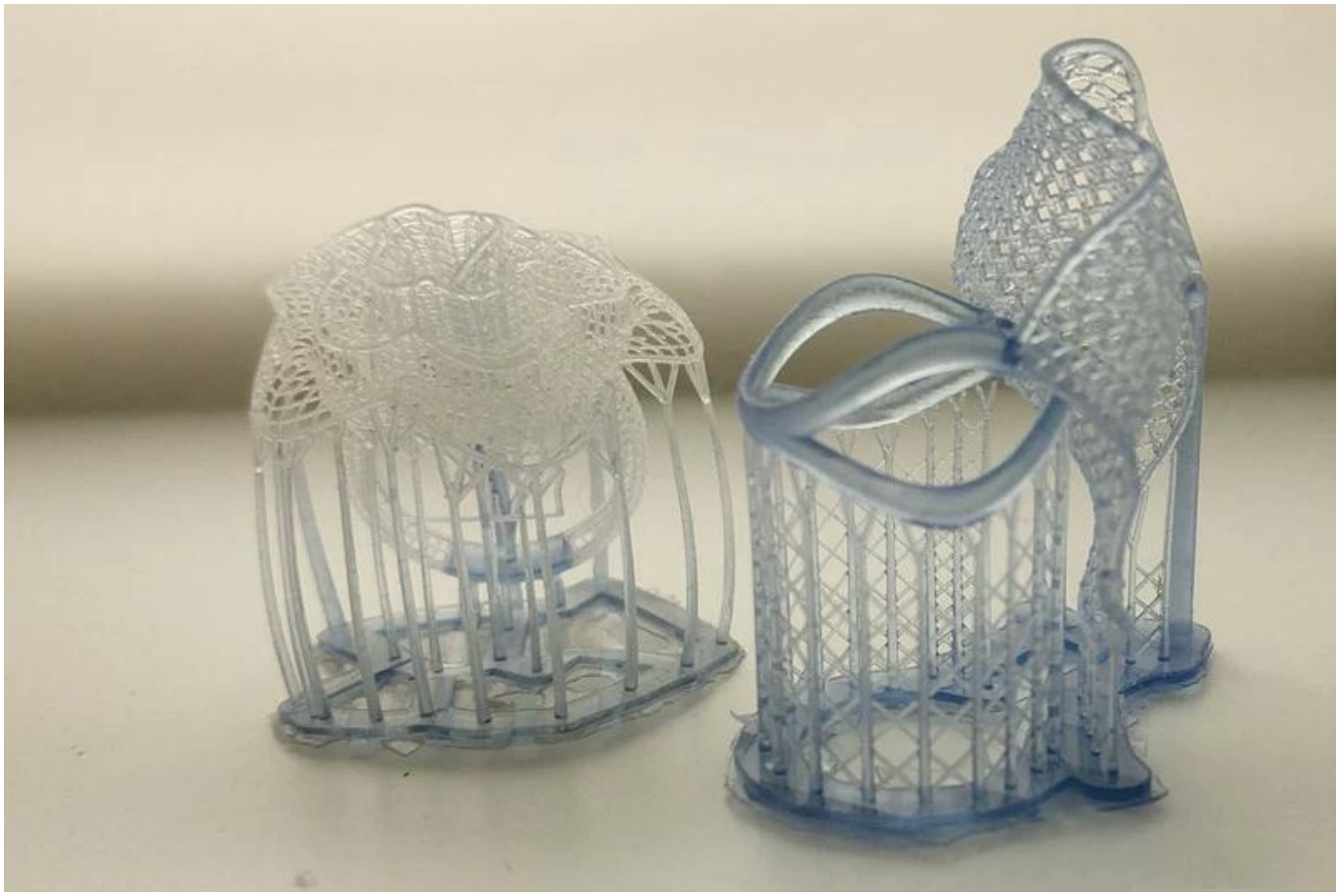
Real ABS (ABS Like)

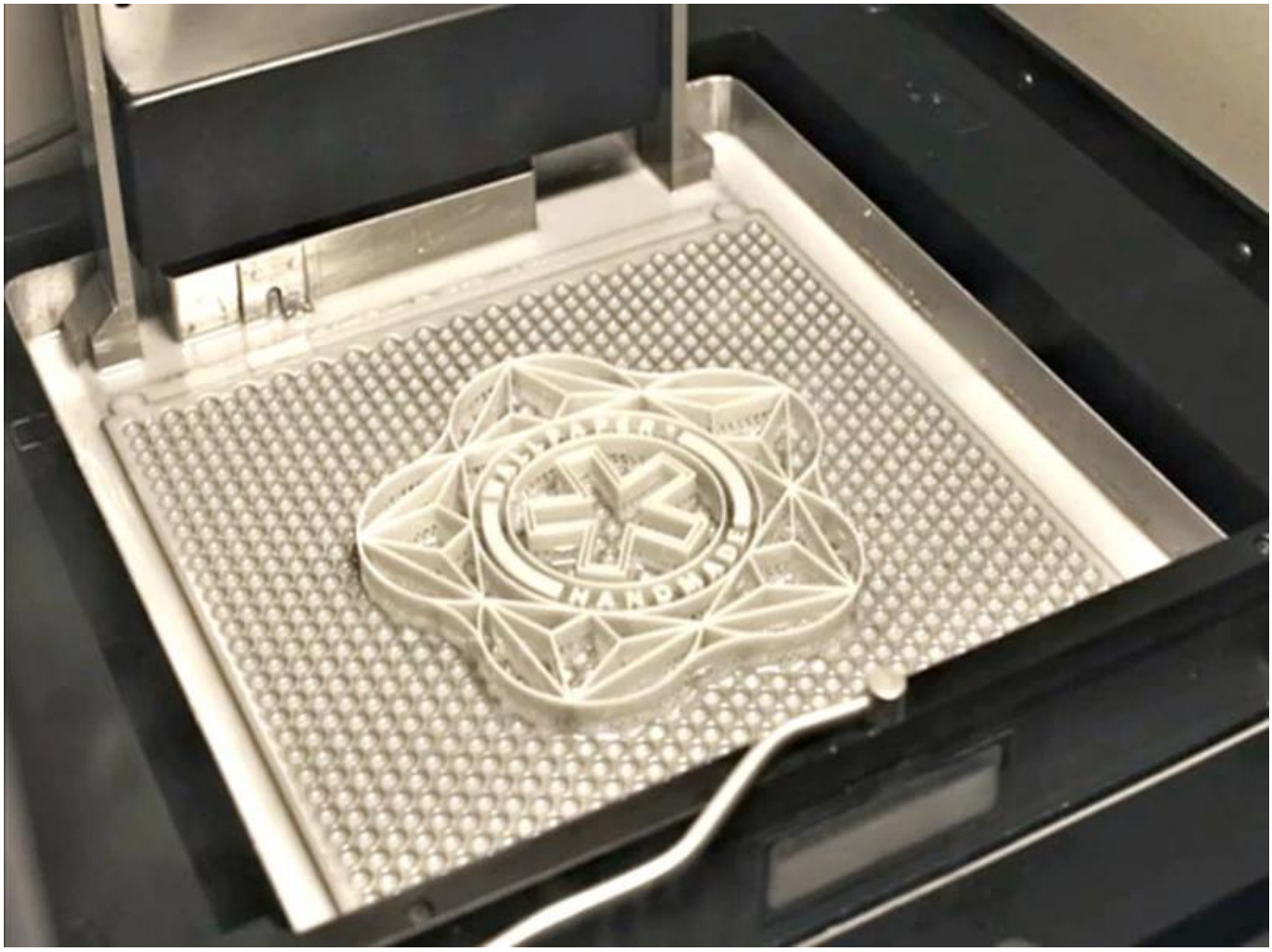
PHYSICAL CHARACTERISTICS (LIQUID STATE)	Appearance: Bright yellow liquid Density: 1.10 g/cm³ @25℃ Viscosity: 400 CPS @25℃ Dp: ≥0.16 mm Ec: 7.9 mJ/cm²
MOLDING PERFORMANCE A MOLDING PERFORMANCE @355nm point laser @330mW power @5.0m/s scanning @No UV post-cure	Bending Modulus: 2000~2300 MPa Bending Strength: 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 ℃ Tg Glass transition temperature: 62 ℃ CTE Coefficient of thermal expansion: 93*E-6

Red Wood (Tooling Board Like)

PHYSICAL CHARACTERISTICS (LIQUID STATE)	Appearance: Epoxy Tooling Board Like (Pink) liquid Density: 1.10 g/cm³ @25℃ Viscosity: 400 CPS @25℃ Dp: ≥0.16 mm Ec: 7.9 mJ/cm²
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 ℃ Tg Glass transition temperature: 62 ℃ CTE Coefficient of thermal expansion: 93*E-6


Desktop FDM
Industrial FDM
Desktop SLA
Industrial SLA
Industrial SLS

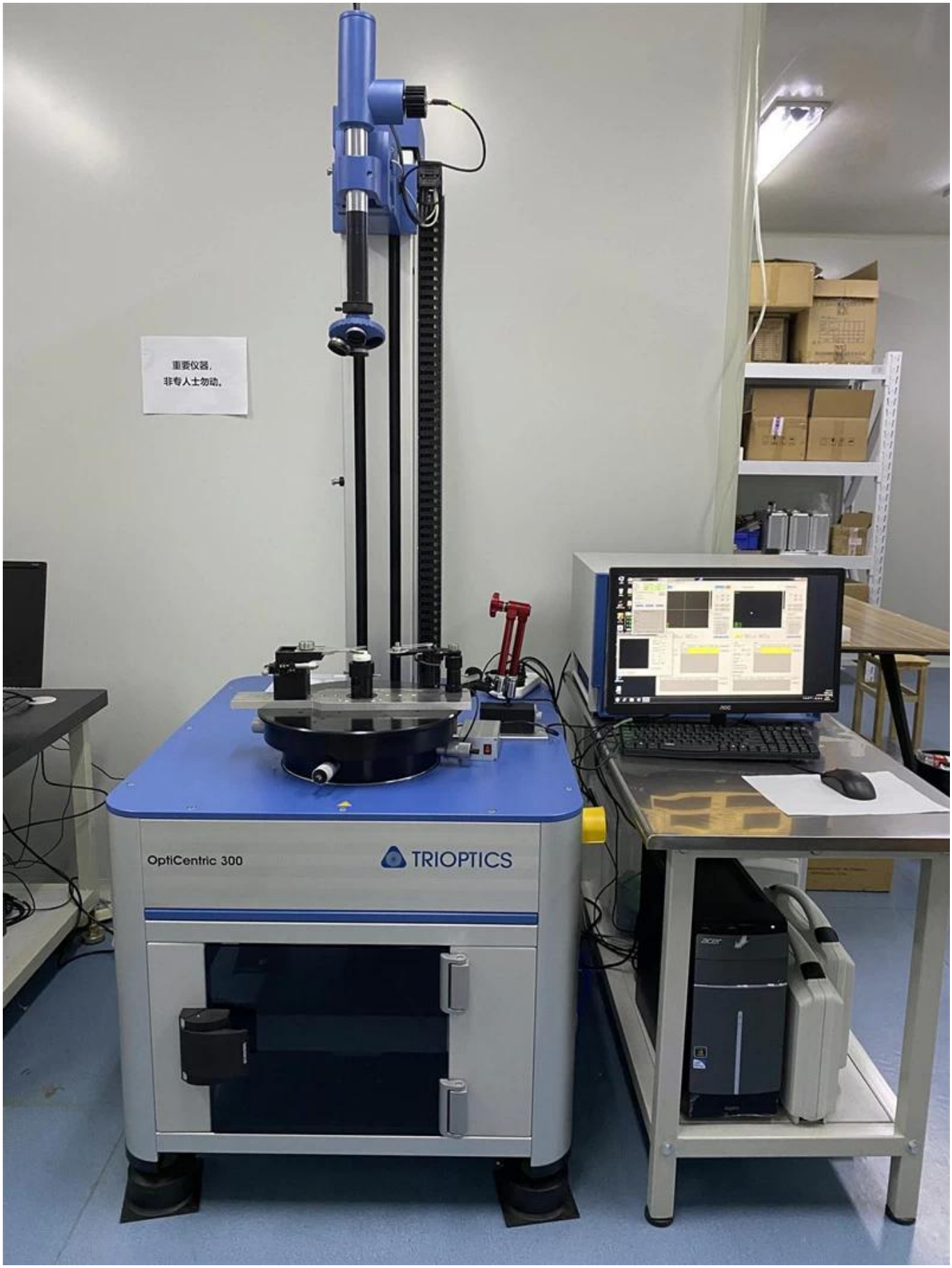


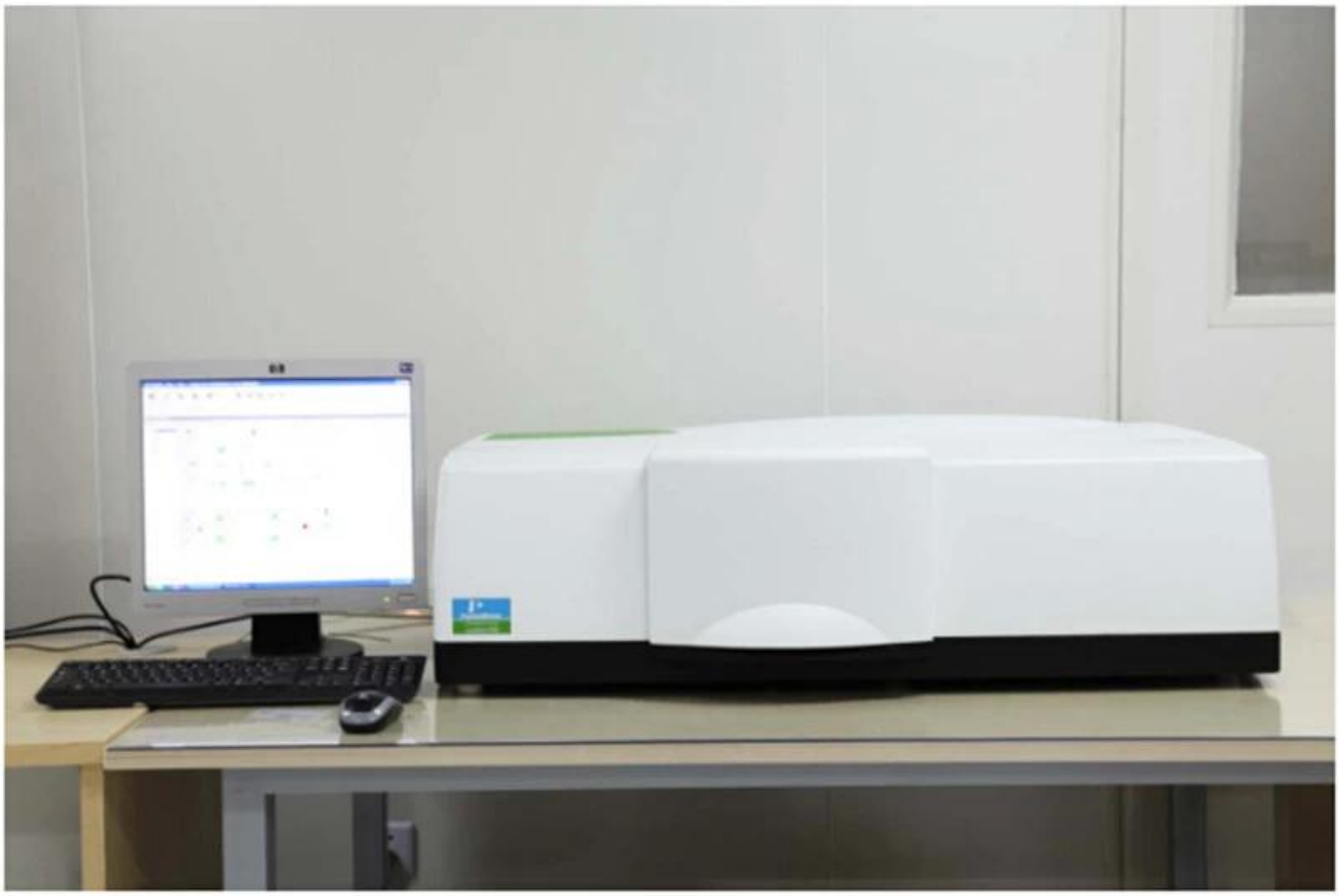


Fábrica


CARMAN HAAS
企业愿景：致


verifire
zygo


重要仪器，
非专人士勿动。
OptiCentric 300
TRIOPTICS



PerkinElmer Lambda 950---Testing Transmission and Reflectivity

Certificado e Exposição.

CERTIFICATE

ATIESTATION
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	: **Carman 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

ISO 9001

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 ZhongLianTianRun 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)

SCC Accredited CB-MS
OCSM Accrédité CCN
Accredited CB-MS (Certification Body – Management Systems)

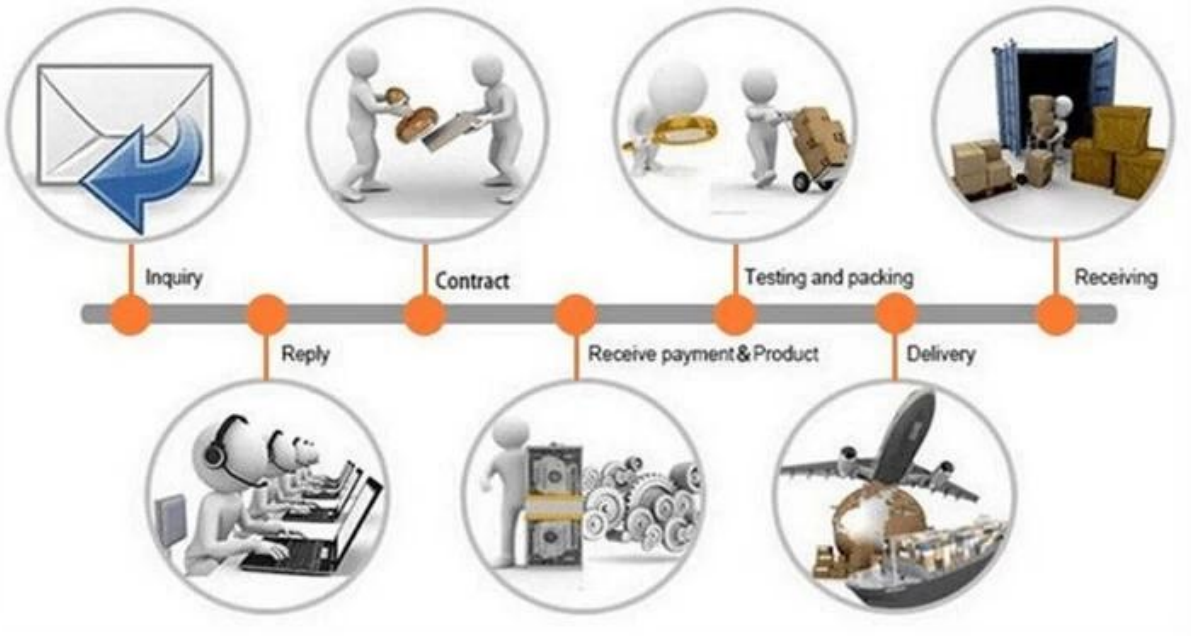
MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT IAF

Beijing Zhongliantianrun Certification Center ISSUED BY

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

Lista de embalagem



Política de devolução:

Deve retornar ser necessário:

Etapa 1) Entre em contato com este site email.
Passo 2) Forneça o máximo de detalhes possível sobre o problema que você está tendo.
Etapa 3) Autorização para devolver o item será emitida.
Passo 4) Retorna o item para a substituição ou reembolso acordado.

Logística:

(1) Para a entrega do pedido de óptica a laser, pode ser opcional com DHL, UPS, FedEx, TNT, EMS, ETS

(2) paraLasermáquinapedidoEntrega, Can.estaropcionalcomtermos.doEx trabalhoFob, cnf, cifDeAroudeMarSediadaemacompradorForwarders.ounosso.

Perguntas frequentes

Q1.Am seu fabricante?

A1: Sim, somos fabricante profissional e experiente com nossos próprios moldes e linhas de produção.

Q2.Como sobre a qualidade dos produtos?

A2: Nossos técnicos e equipes de QC testam os produtos um por um usando linha de envelhecimento, dispositivos profissionais e instrumentos para garantir a qualidade para todos os produtos.

Q3.Como sobre o preço?

A3: Somos um fabricante e sempre oferecemos aos nossos clientes os preços mais competitivos.

Q4.Como colocar um pedido?

A4: Entre em contato com o serviço on-line, ou enviei email para nós diretamente, nós responderemos a você com preço do produto, especificações, embalagem etc. em breve. Obrigada.

Q5.may eu envio material para testar o desempenho de marcação?

A5: Sim! Você é bem-vindo para enviar material para testar nossa qualidade e serviço superiores.

Q6. Posso visitar sua fábrica?

A6: Sim, bem-vindo a visitar nossa fábrica no seu tempo conveniente.

Q7. Como posso fazer ordens de OEM ou ODM?

A7: Temos processamento de impressão diferente para diferentes OEM / ODM. Por favor, entre em contato conosco com serviço on-line ou envie um email para nós diretamente.

Q8. Como devo pagar pelos meus pedidos?

A8: Você pode pagar por T / T estaria disponível para o banco qualificado e o MOQ necessário para cada pedido.