



Product Information

□□□□□□ □□□:

There are 2 types of beam expander: fixed and adjustable beam expanders. For the fixed beam expanders, the spacing between the two lenses inside the beam expander is fixed, but the spacing between the two lenses inside the adjustable beam expanders is adjustable.

□□□□□□□□ [Fixed Magnification Beam Expanders Manufacturer](#) the lens material is ZeSe, which allows the red light to go through the beam expander.

Carmanhaas could offer 3 types of beam expanders: Fixed Beam Expanders, Zoom Beam Expanders and Adjustable divergence angle beam expanders at various wavelengths of 355nm, 532nm, 1030-1090nm, 9.3um, 10.6um.

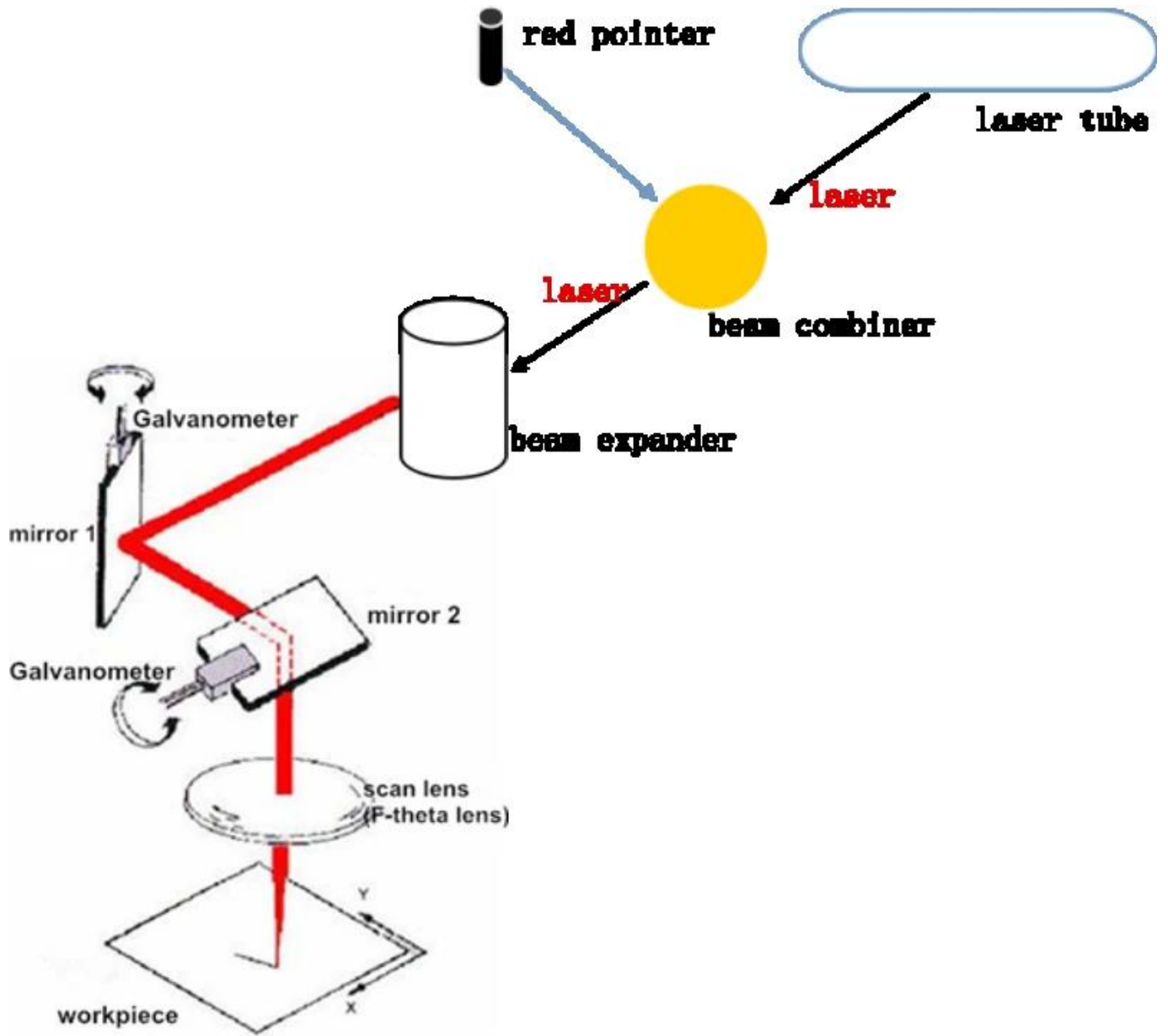
Other wavelengths and custom-designed beam expanders are available upon request. □□[Variable Zoom Laser Beam Expanders Supplier](#)) For more information, please feel free to contact us.

 **CARMAN HAAS**

CO₂ Beam Expander
Improve the collimation of the beam,
Change the size and characteristics
of the beam divergence.







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Part number Description: BE-XXX-DYY : ZZZ-BB-A

BE ----- Beam Expanders

XXX -----Laser wavelength: 10.6 means 10.6um, 10600nm, CO2

DYY : ZZZ -----Beam Expander Output CA : Housing Length

BB ----- نسبة التوسع (التكبير) في الأوقات

النوع: الوسيلة المتوسع شعاع زاوية الاختلاف قابل للتعديل؛

لا شيء يعني متوسع شعاع ثابت

□□□□ □□□□ CO2 (10.6um)

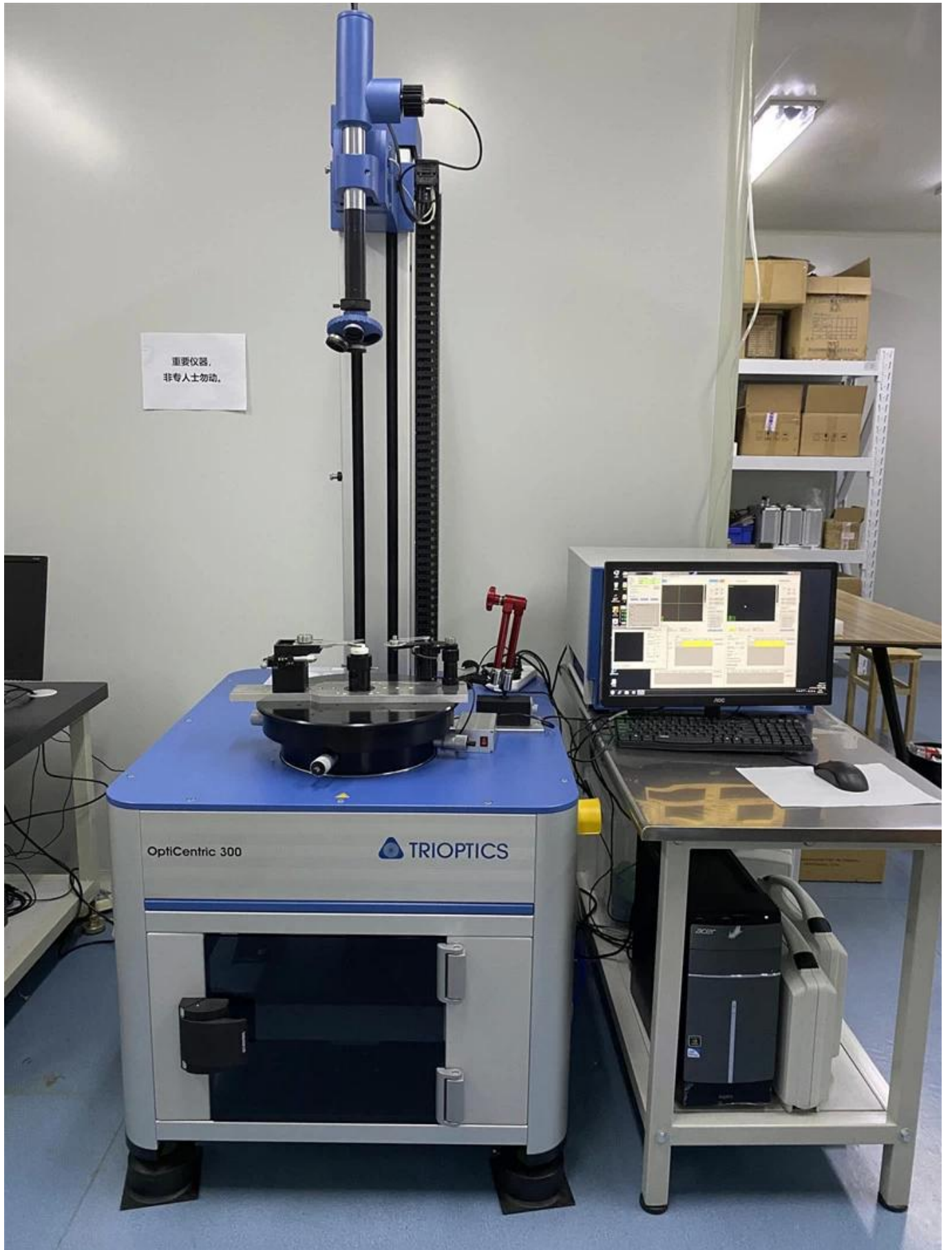
Part Description	Expansion Ratio	Input CA (mm)	Output CA (mm)	Housing Dia(mm)	Housing Length (mm)	Mounting Thread
BE-10.6-D17:46.5-2X	2X	12.7	17	25	46.5	M22*0.75
BE-10.6-D20:59.7-2.5X	2.5X	12.7	20	25	59.7	M22*0.75
BE-10.6-D17:64.5-3X	3X	12.7	17	25	64.5	M22*0.75
BE-10.6-D32:53-3.5X	3.5X	12.0	32	36	53.0	M22*0.75
BE-10.6-D17:70.5-4X	4X	12.7	17	25	70.5	M22*0.75
BE-10.6-D20:72-5X	5X	12.7	20	25	72.0	M30*1
BE-10.6-D27:75.8-6X	6X	12.7	27	32	75.8	M22*0.75
BE-10.6-D27:71-8X	8X	12.7	27	32	71.0	M22*0.75



Factory





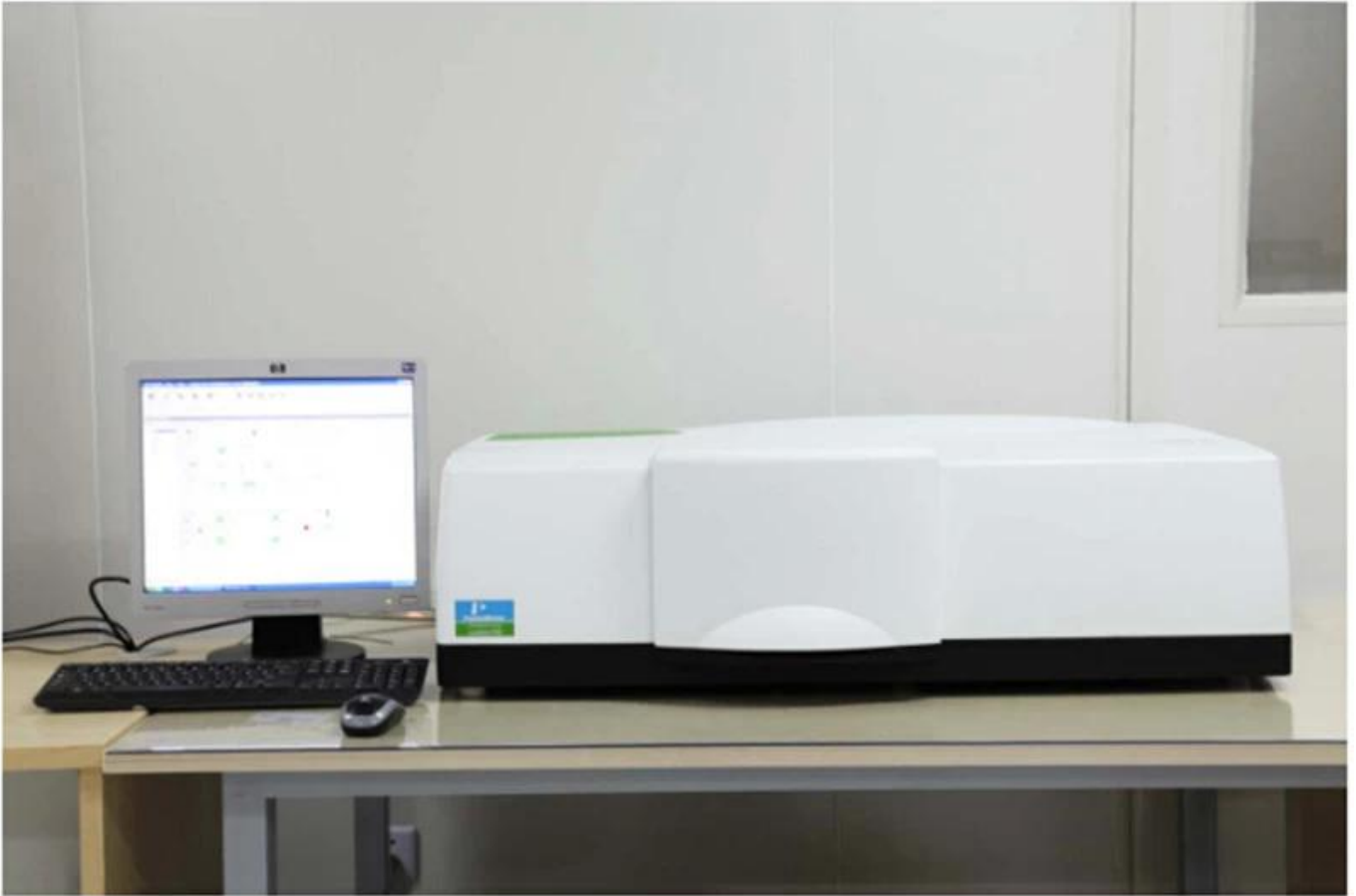


重要仪器,
非专业人士勿动。

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**

Signature
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)
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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>)

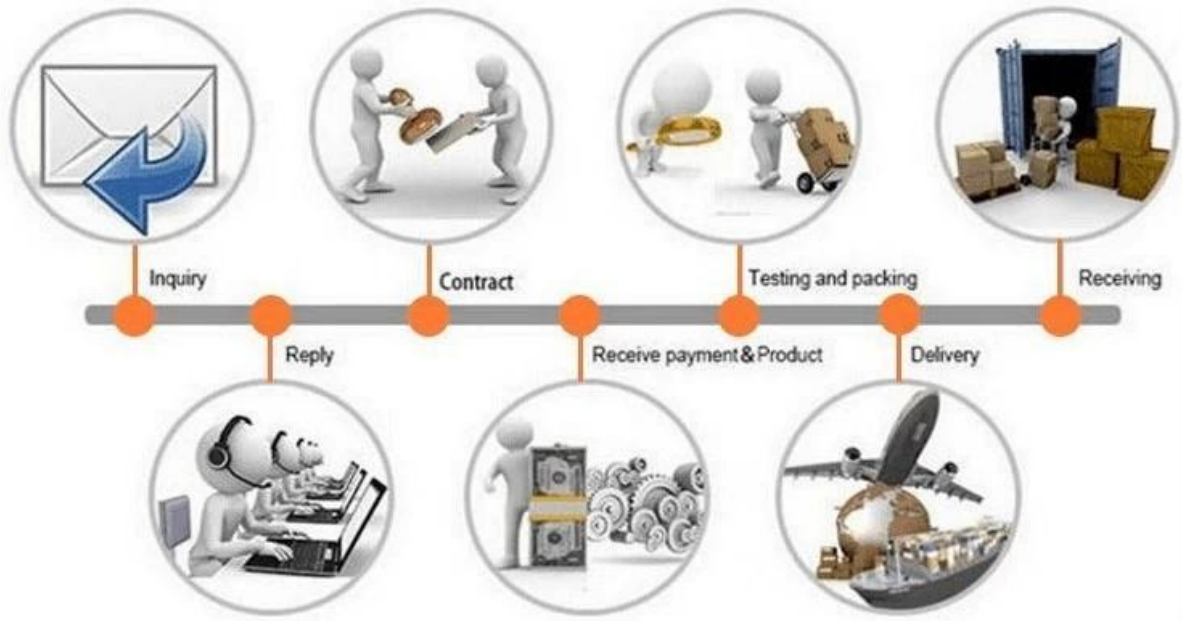
ISO 9001

ISO 9001



Packing List





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- .የግብርናው ስርዓት ለማስፈጸም የሚያስፈልጉትን ሰነድ ለማግኘት (1 ሰነድ)
- .የግብርናው ስርዓት ለማስፈጸም የሚያስፈልጉትን ሰነድ ለማግኘት (2 ሰነድ)
- .የግብርናው ስርዓት ለማስፈጸም የሚያስፈልጉትን ሰነድ (3 ሰነድ)
- የግብርናው ስርዓት ለማስፈጸም የሚያስፈልጉትን ሰነድ ለማግኘት (4 ሰነድ).

የሰነድ ስርዓት:

- (1) የግብርናው ስርዓት ለማስፈጸም የሚያስፈልጉትን ሰነድ dhl, ups, tnt, ems ማግኘት
- (2) የግብርናው ስርዓት ለማስፈጸም የሚያስፈልጉትን ሰነድ EXW, FOB, CNF, CIF ማግኘት ለማስፈጸም የሚያስፈልጉትን ሰነድ ለማግኘት.

 **FAQ**

Q1. የግብርናው ስርዓት ለማስፈጸም ሰነድ

A1: የግብርናው ስርዓት ለማስፈጸም ሰነድ ለማግኘት የሚያስፈልጉትን ሰነድ ለማግኘት.

Q2.How የግብርናው ስርዓት ለማስፈጸም ሰነድ

A2: የግብርናው ስርዓት ለማስፈጸም የሚያስፈልጉትን ሰነድ ለማግኘት የሚያስፈልጉትን ሰነድ ለማግኘት የሚያስፈልጉትን ሰነድ ለማግኘት.

Q3.How የግብርናው ስርዓት ለማስፈጸም ሰነድ

A3: የግብርናው ስርዓት ለማስፈጸም የሚያስፈልጉትን ሰነድ ለማግኘት የሚያስፈልጉትን ሰነድ ለማግኘት.

Q4.How የግብርናው ስርዓት ለማስፈጸም ሰነድ

A4: የግብርናው ስርዓት ለማስፈጸም የሚያስፈልጉትን ሰነድ ለማግኘት የሚያስፈልጉትን ሰነድ ለማግኘት የሚያስፈልጉትን ሰነድ ለማግኘት.

Q5.May የግብርናው ስርዓት ለማስፈጸም ሰነድ

A5: የግብርናው ስርዓት ለማስፈጸም የሚያስፈልጉትን ሰነድ ለማግኘት የሚያስፈልጉትን ሰነድ ለማግኘት !ሰነድ.

q6.can የግብርናው ስርዓት ለማስፈጸም ሰነድ

A6: ሰነድ ለማግኘት የሚያስፈልጉትን ሰነድ ለማግኘት የሚያስፈልጉትን ሰነድ ለማግኘት.

Q7.How የግብርናው ስርዓት ለማስፈጸም ሰነድ OEM ስነ ODM

A7: የግብርናው ስርዓት ለማስፈጸም የሚያስፈልጉትን ሰነድ OEM / ODM ORDers. የግብርናው ስርዓት ለማስፈጸም የሚያስፈልጉትን ሰነድ ለማግኘት.

q8. የግብርናው ስርዓት ለማስፈጸም ሰነድ

A8: የግብርናው ስርዓት ለማስፈጸም የሚያስፈልጉትን ሰነድ T / T ሰነድ ለማግኘት የሚያስፈልጉትን ሰነድ ለማግኘት.