

APE | Asia
Photonics
Expo

6 – 8 March 2024
Sands Expo and Convention Centre
(Marina Bay Sands) B2, Singapore

APE 2024 PRODUCT BROCHURE

2nd Edition



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**XIAMEN SUNSHINE TECHNOLOGIES
CO.,LTD**



**Booth
DC-20**

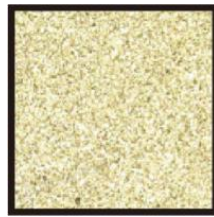
Shanghai Sunshine Technologies Co., Ltd. is a national specialized "Little Giant" integrated circuit chip enterprise specializing in the development of thermopile infrared sensing and CMOS MEMS technology. The company has rich experience in CMOS MEMS design and process integration, and has launched a variety of models of infrared thermopile sensor products, including non-contact infrared temperature sensor, NDIR non-dispersion gas detection sensor, infrared sensor man-machine interaction and other products, which is the "China Core" in thermoelectric infrared.

[Main Product]

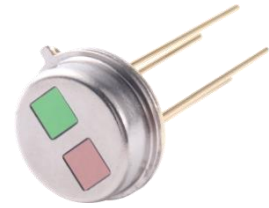
Silicon Chip Capacitors, Ceramic Substrates, Infrared Sensors.



Single Layer Capacitor



Ceramic Substrates



Dual Channel NDIR Detector

COREWAY OPTECH CO.,LTD

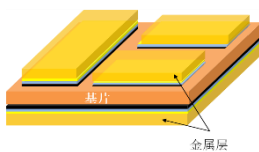


**Booth
EH-52**

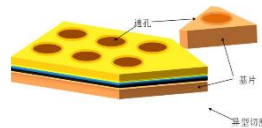
COREWAY is located in Chengdu known as the land of abundance. COREWAY was formally established in July 2015. Products are widely used in optical communications, photoelectric integrated systems, microwave communications, lasers/high-power LEDs, infrared thermal imaging/medical and other Hi-Tech fields. They are a necessary component of products in these industries. COREWAY has gained the ISO9001 quality management system certification, and its quality management level has been greatly improved.

[Main Product]

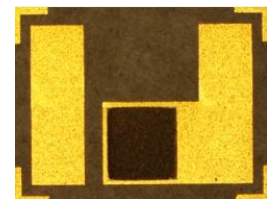
COREWAY provides professional customized services for various types of ceramic, silicon-based, quartz glass, ferrite and other thin-film circuit boards. The product types cover ceramic film circuit transition blocks, integrated resistor, capacitor, inductance film circuits, Via metallized film circuits, patterned gold-tin pre-soldering circuits and other high-tech fields.



**Series A - THIN FILM
METALLIZATION**



**Series C --COMPLEX
METALLIZATION
APPLICATIONS**



**Series D - AUSN SOLDER
INTEGRATED**

SHENZHEN GRACYFIBER TECHNOLOGY CO.,LTD



Booth DC-61

Gracyfiber manufacturer specializes in wholesale production of custom patch cords, pigtails, MPO, Mux Demux, PLC splitter, optical splitter, optical coupler, fiber optic isolator, FTTH/FTTx, supplying to 100+ countries around the world, is a well-known and leading professional equipment supply manufacturer in China's communication technology industry, welcome to visit our factory and also Feel free to contact us(+86-133-329-62563).

[Main Product]

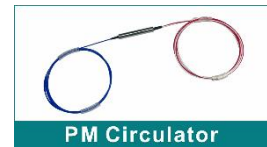
Optical Transmission System Passive WDM Series Micro Optical Hybrid Device PM & High Power Series Coupler/Splitter/MPO/MTP Patch Cord.



50GHz/75GHz/100GHz/150GHz HzDWDM



Coupler/Splitter/MPO/MTP Patch cord



PM Series/PM device/

QINGDAO APPLIED PHOTONIC TECHNOLOGIES CO.,LTD



Booth DC-52

Qingdao Applied photonic technologies co.,ltd.(APT for short). APT was founded in 2002 in Qindao West Coast Economic Area with 50 million RMB of registered capital, specialized in passive and active optical fiber components, ODF series, and FTTH products such as fiber optical PLC/FBT splitters, patch cords, WDM, FTTH boxes and fast connectors, etc. with international advanced technology . Qingdao APT nowadays is the the largest in Shandong province in the north of China, and domestic famous enterprise in fiber optical communications industry.

[Main Product]

optical CWDM/DWDM/FWDM/CCWDM Optical fiber Patchcord FBT Coupler PLC Splitter FTTH Box Fast Connector Fusion splicer machine.



optical fiber patchcord



PLC splitter



FTTH BOX

HIRUNDO OPTICS INC



**Booth
EE-52**

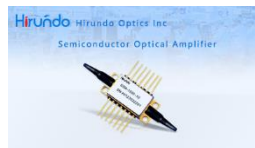
Hirundo Optics Inc was incorporated by a team with 20 years fiber optic industry experience. "Hirundo" in the logo stands for Spring swallow. The company name takes its cue from swallow symbolism from China-Arrival of Spring and upcoming prosperous opportunities for everyone. Hirundo has wide range of solution which includes WDM Series, Optical Splitter, Laser Source, Optic Switch, Passive/Active hybrid products, High power PM series products and High-end connectivity products. Full service can be provided for the transmission & 5G network, radio frequency (RF), data center (DC), optical fiber.

[Main Product]

WDM Series, Optical Splitter, Laser Source, Optic Switch, Passive/Active hybrid products, High power PM series products and High-end connectivity products.



WDM Module



400~2000nm Laser Source



Coupler+PLC Splitter Hybrid Device

WUHAN YANGHE COMMUNICATION TECHNOLOGY CO.,LTD



**Booth
DD-05**

Wuhan Yanghe Communication Technology Co. Ltd. is located in Wuhan, China. It has rich experience and strong capability of technology. It has the advanced equipment in producing, testing and packaging. It also has a strict quality control system and strict testing standards. With the good quality and low price, products are widely applied to FTTH and network field. It insist on quality first, customer first. We are sincerely looking forward to people at home and abroad to visit our factory, we will try our best to provide the good products and service for you.

[Main Product]

PLC splitter, FBT Coupler, Patch cord, optical fiber splice closure, Distribution box, Terminal box, MPO, Optical adapter, Attenuator, Fast connector Etc.



Fiber optic splitter



Fiber optic patch cord



Optical distribution box

ANHUI WANCHUANG
**Booth
EE-72**

Anhui Wanchuang Communication Technology Co., Ltd. was registered and established in 2018, and is a high-tech fiber optic communication enterprise. The company's business mainly focuses on customers such as China Mobile Communications, Telecom, China Unicom, Radio and Television, Fiber to Home, Computer Room Construction, and foreign communication operators. The company adheres to the principle of first-class products, first-class prices, first-class services, and win-win cooperation with customers, and sincerely cooperates with all sectors of society to seek development and create brilliance.

[Main Product]

The company mainly produces communication equipment and passive components such as fiber optic jumpers, fiber optic splitters, flange attenuators, adapters, tapered splitters, wavelength division multiplexers, AAWG, MPO/MTP, fiber optic pigtails, indoor and outdoor optical cables, integrated trays, chassis and racks.


Adapter、Fast Connector

Insert cassette plc splitter

FBT Optical Fiber Splitter
**CHENGDU HENGCHENG
OPTOELECTRONIC TECHNOLOGY
CO.,LTD**

**Booth
EH-53**

Chengdu Hengcheng Optoelectronics is an integrated R&D, production and sales company specializing in the production of pre-light communication products, which established in 2017, has accumulated 7 years of manufacturing experience. The team founder has nearly 20 years of experience in the fiber optic communication industry.

[Main Product]

OSA optical devices, wavelength division multiplexer, FTTH products and providing professional passive product design and solutions for WDM network systems.


Fiber optic adapter

Fiber optic plc splitter

OSA

HTD FIBERCOM CO.,LIMITED



Booth DD-51

HTD Fibercom Co., Limited was founded in 2005, it's a professional optical fiber product manufacturer and provider in optical fiber communication, FTTX, fiber-optic network transformation, Telecom, CATV and broadband triple-play, PON, NGB, fiber sensor system etc. We have established a long-term stable cooperation with more than 300 ISPs, system integrators and equipment manufacturers in more than 50 countries and regions around the world.

[Main Product]

Main Passive Products: WDM (CWDM, DWDM, FWDM, OADM, AWG, NG-WDM, etc.), Optical Switch, Optical Circulator, Optical Splitter and Coupler, Optical Isolator, Optical Reflector, MTP/MPO Cables and Patchcord, TAP PD, WDM PD..etc... Main Active Products: 1.25G SFP/ 10G SFP+/25G SFP28/ 40G QSFP+/100G QSFP28/400G QSFP-DD Transceiver 10G/40G/100G/200G AOC/Breakout Cables 10G/40G/100G/200G DAC/Breakout Cables



40G QSFP+ Module LR4
20km Hot Pluggable Duplex LC Connector 1310nm



100G QSFP28 to 4x25G SFP28 Breakout Active Optical Cable (AOC)



CWDM Module/Rack

JINGMEN RAYZER OPTOELECTRONICS TECHNOLOGY CO.,LTD



Booth EF-51

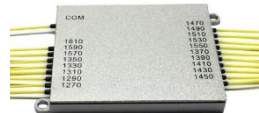
Rayzer Optoelectronics is high-tech company dedicated in research, development and manufacture of optical technologies and products. Over 8000 m² of cleanroom facility with state-of-the-art manufacturing and research equipment. The key personnel of the company are oversea PhDs and domestic elites from industry. Together, they possess massive experience in relative fields, such as research, manufacturing, marketing, finance, management and the intellectual property protection etc. Our technical and product focus on optical communication device, fiber optic sensor, ultrafast fiber laser.

[Main Product]

Single-mode coupler, Multi-mode coupler, CWDM, DWDM, LWDM, Isolator, Hybrid device (IWDM, ITW, ITPD), High-power WDM/Isolator, CCWDM, CDWDM, Patchcord



High reliability Fiber Coupler



Compact CWDM CDWDM LANWDM



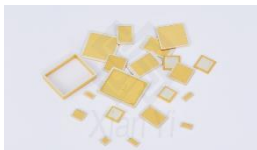
IWDM ITWDM ITAP Hybrid Component for EDFA

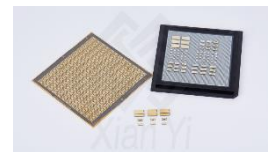
Guangzhou XianYi Electronic Technology Co.,Ltd.
**Booth
DA-51**

Founded in 2008, Guangzhou Xianyi Electronic Technology Co., Ltd., is a national high-tech enterprise and a State-level technologically advanced "little giant" Enterprises, specializing in R&D, production and sales of highly reliable interconnecting materials and devices for microelectronic packaging. Devoted to offering quality products, technical consulting and suitable technical solution, Xianyi, is the best strategic partner in the field of high reliable electronic packaging materials.

[Main Product]

Au80Sn20, Solder Preform, AuSn Solder Paste, AuSn Solder Seal Lids, AuSn Thin Film Heat Sinks, AMB Ceramic Substrates, Nano-Ag Paste, Microelectronic Packaging, Interconnection Materials, Packaging Materials.


AuSn Solder Seal Lids

AuSn Solder Paste

AuSn Thin Film Heat Sinks
UNION POLYMER MATERIAL CO.,LTD
**Booth
DB-55**

Union Polymer Material Co.,Ltd, Specializing in the research and development, production and sales of heat shrinkable sheath products, braided sheath products and other functional polymer materials. Focus on providing coverage and protection solutions for system components, and achieve functions such as insulation, waterproof, abrasion resistance, impact resistance, restraint, strapping, electromagnetic shielding, and identification.

[Main Product]

Heat shrink tube for automotive, power, electronics, shipbuilding, telecommunication, military use. We have thin, medium and heavy wall tube. We have single wall, dual wall and triple wall heat shrink tube.


**Heat shrink tube for dome
closure**

Lifo (Fujian) Optoelectronics Group



Booth
DD-64/DD-65

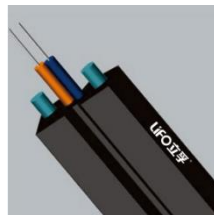
LIFO (Fujian) Photoelectric Group Co., Ltd. was established in 2012. is a high-tech enterprise integrating R&D, production, sales, brand operation and export. The company has obtained certifications for ISO9001 . Additionally, it has passed European Safety Certification, Federal Communications Commission Certification, and EU Environmental Certification.

[Main Product]

We have rich experience in the production of fiber optic cables and network cables, with several sets of world advanced production equipment and a full set of fiber optic cable and network cable testing equipment. Our main products include indoor and outdoor communication fiber optic cables, FTTH fiber optic cables, power fiber optic cables, and network cables, etc..



8-shaped layer twisted optical cable (GYTC8S)



Butterfly incoming indoor optical cable for access network (GJXH / GJXFH)



Unitube Light- -armored Cable (GYXTW)

HUIZHOU C-FLINK TECHNOLOGY CO.,LTD



Booth
EE-51

Huizhou C-FLINK Technology Co.,Ltd. is a professional manufacturer of DAC, AOC and optical module, which integrates R & D, production, sales and service. It focuses on the R & D of high-speed interconnection products, serving big data transmission and storage, and the products are widely used in Ethernet, data center, cloud computing and other large data networks.

[Main Product]

10G-800G DAC, HD MINISAS CABLE; Including 12G&24G Slimline SAS(4i&8i),8G&16G Oculink(4i&8i), MICO SAS cables and PCIE cable; 10G-400G QSFP-DD AOC, HDMI2.0 AOC, USB3.1 AOC, HD mini SAS AOC; SFP electrical interface module, 10G&25G SR SFP module, 40G&100G SR QSFP module, 100G CWDM, etc.



800G OSFP DAC



400G QSFP-DD AOC



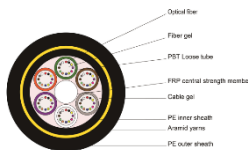
100G DSFP DAC

**HANGZHOU JINLONG OPTICAL CABLE
CO.,LTD**
JLOFC
**Booth
DC-53**

Hangzhou Jinlong Optical cable LTD established in 1994, is located in Lin'an District Hangzhou, We develop, produce and sell indoor and outdoor communication optical cables. The company covers an area of more than 30 Thousands square meters. All the performance and indexes of our products meet and exceed the requirements of national and international standards, the certificate of national radio and TV network entry license and international certificates such as CPR, CE, ect Production testing equipment and Experienced technician is necessary, our products are widely used in China Mobile, Chin.

[Main Product]

Optical fiber,optical fiber preform,Optical fiber cable.


ADSS
**JIANGSU ARMORED OPTICAL
TECHNOLOGY CO.,LTD**
**Booth
DC-15**

Jiangsu Aromored Optical Technology Co., Ltd. was established in April 2020 with a registered capital of 50 million yuan. Since its establishment, Amude Optoelectronics has passed ISO9001:2015 certification, EU RoHS and REACH environmental protection, UL certification, CPR certification, coal mine safety certification, and other certifications; Amid Company, adhering to the concept of "Best Protection Better Community", is willing to provide the most professional and systematic protection services for the optical communication industry!

[Main Product]

Company products: armored optical cables, special optical cables, sensing optical cables, communication optical cables, optoelectronic hybrid cables, fiber optic connectors, tuning discs, and supporting nearby areas.


Optoelectronic hybrid cable

Backpack cable rack

jumper coupler

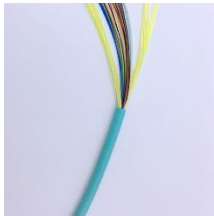
Shenzhen FI-Cable Technology Co.,Ltd

**Booth
DB-16**

With more than 14 years of experiences in the fiber optic industry, About 100 well-trained staff and engineers are contributing to our proud products. We have 4 production lines for fiber optic cable, 2 high standard MPO/MTP jumper/patch cords assembly lines, 4 production lines for standard jumper/patch cords product.

[Main Product]

Optical Fiber Cable,Optic fiber Patch Cords,MPO/MTP,Adapter/Attenuator,Fiber Distribution Box, Indoor/outdoor Cabinets, etc.


Fiber Optical Indoor cable

MPO/MTP

Fiber Patch cords
WUXIN KRENO INDUSTRY CO.,LTD
KRENO
**Booth
DA-53**

Wuxi Kreno Industry Co., Ltd., established in 2010 and headquartered in Wuxi City, Jiangsu Province, China, is an exceptional manufacturer in the field of optical cable materials and equipment. We provide comprehensive solutions for global customers in optical cable production, including equipment, materials, and production technology guidance. Kreno operates three factories and a warehouse, primarily producing optical cable manufacturing equipment, Fiberglass-Reinforced Plastics (FRP), PU-Coated Glass Yarn, and Water-Blocking Yarn.

[Main Product]

1.FR(P(Fiber reinforced plastic 2.Pu coated Glass yarn 3.Water-blocking yarn 4.Optical cable manufacturing equipment


PU COATED GLASS YARN

WATER-BLOCK YARN

optical fiber

Jiangsu Xuben Photoelectric Technology Co.,Ltd**Booth
DC-55**

Jiangsu Xuben Photoelectric Technology Co., Ltd. is a communications and power company. A company integrating R&D, production and sales of transmission cable products, it is a provider of physical connection products for FTTH telecommunications infrastructure and power transmission systems. Its products mainly cover various types of optical fibers, indoor optical cables, drop-in optical cables, outdoor optical cables, OPGW/ADSS power optical cables, network cables, connector boxes, jumpers, optical splitters, installation hardware and other communication products.

[Main Product]

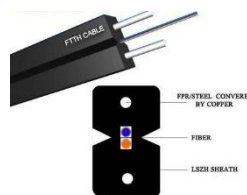
Indoor optical cables, drop optical cables, outdoor optical cables, OPGW/ADSS power optical cables, network cables, connector boxes, jumpers, optical splitters, various ODN boxes, installation hardware.

**Drop cable****Air blown micro cable****FTTX PASSIVES****NINGBO YUXIN OPTICAL FIBER CABLE CO.,LTD****Booth
EF-52**

We possess a group of responsible professional technical management talents with high character, who provide product value engineering service to the clients and make the company and clients develop harmoniously. Operated according to ISO9000: 2001 quality management system standard, the company manufactures high quality optical communications products by the first-class equipments, stable technique and standard flow management.

[Main Product]

Indoor and outdoor optical fiber cable and optical fiber connectors for communications including more than fifty series in total. The products are widely applied in many sectors and fields including telecom, broadcasting, electric power, oil field, railway, speedway, intelligent mansion, research institutes and school community and are highly appraised by the wide users. The products not only rank in top position in the communications field of our country, but also are exported to many countries and regions including Europe, Asia, Australia and Africa.

**Outdoor Unit Tube Cable
GYXTW****Indoor FTTH Cable -2core****FTTH Cable GJYXCH**

**DONGGUAN YIYUAN FIBER CABLE
CO.,LTD**

**Booth
EG-58**

YiYuan Optical Cable Co., Ltd believed that the customers, suppliers, shareholders, employees and their own cooperative relations are their partners, and only through efforts to create value for partners, in order to realize their own value and access to development and success.

[Main Product]

Outdoor & indoor fiber cables such as GYTS(A), ADSS, GYFTY, GYTA33, GYTC8S, MGTSV, FTTH drop cable etc. Optical accessories such as fiber closure, patchcords, splitters, media converter and attenuators etc.

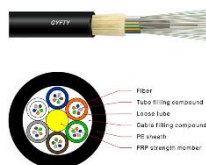

Optical fiber cables
**NINGBO YINPU COMMUNICATION
TECHNOLOGY CO.,LTD**

**Booth
EE-78**

Ningbo Yinpu Communication Technology Co.Ltd.is located in Cixi City on the coast of the East China Sea convenient transportation and environment Beautiful,complete supporting facilities,specializing in the production of integrated wiring security cables and fiber optic cable products.is one of the domestic professional building intelligent system engineering design and product manufacturing enterprises.The company has a complete set of standardized factory buildings and office buildings, and introduces various advanced fiber optic cable production equipment.

[Main Product]

Fiber Optic Cables, Optical Fiber, outdoor optical cable, indoor optical cable, Fiber Optic Patch Cord, Fiber Optic Pigtail, Optical Fiber Cable, Fiber Optic Adapters, Fiber Optic Connectors, Fiber Optic Accessories, FTTH Drop Cable, Special Optical Cable


ADSS

GYFTY

GYXTW

**ZHEJIANG HONGSHENG
COMMUNICATION TECHNOLOGY CO.,LTD**

**Booth
DB-51**

Zhejiang Hongsheng Communication Technology Co.,Ltd.is a professional telecommunications equipment manufacturer integrated with development,production,sales,and service.Hongsheng Communication was formerly named Yuvao Telecommunications Equipment Factory and Zhejiang Hongsheng Electrical Appliance Co.,Ltd.,founded in 1989.With advanced management and many high- quality employees,the company has a first-class development and production level in China.

[Main Product]

Fiber Optic Splice Closure, Fiber Optic Distribution Boxes, PLC Optical Splitters, Fast Connectors, Fiber Optic Patch Cords, FTTH Drop Cable, Fiber Optic Cabinets, Optical Distribution Frames.


Fiber Optic Splice Closures

PLC Optical Splitters

Fiber Optic Cabinets
**NINGBO FIBERMINT TELECOM
EQUIPMENT CO.,LTD**

**Booth
DB-63**

Fibermint Focuses on designing and producing fiber optic splice boxes, fiber distribution boxes, and terminal boxes. We provide comprehensive solutions for ODN and FTTH, mainly serving markets in Europe, the Middle East, South Asia, and West Asia. Our consistent efforts have led to significant advancements in our product range, production efficiency, quality systems, and market expansion. We are committed to delivering high-quality products and efficient services, continuously striving to meet the evolving demands for advanced, high-quality products.

[Main Product]

Fiber optic floor terminal box , Fiber optic outlet, Fiber optic distribution box, Fiber optic terminal box with hardened adapter, Fiber optic splice closure.


**8 Cores Fiber Optic
Distribution Box FDB-8BJ**

**12 Cores Fiber Optic
Distribution Box FDB-T281**

**144FO Fiber Dome Closure
GJS-M0039**

**SHENZHEN CLAN OPTICAL
COMMUNICATION CO.,LTD**
**Booth
DB-17**

We produce and sell various types of fiber optic connector components and fiber optic adapters.

[Main Product]

SC/FC/LC/ST/MPO adapters, connector kits, patch cord, pigtail, etc...


SC Adapter

LC adapter

LC Connector kits
**SHANGHAI M-LINE
COMMUNICATION&TECHNOLOGY
CO.,LTD**
**Booth
DB-53**

Shanghai M-Line Communication & Technology Co., Ltd (M-Line Company), located in Minhang District, Shanghai, is a high-tech enterprise engaged in the research and development, production, sales and applied research of sheath pipeline system of the new communication optical cable. The key products include HDPE micro duct, tube bundle, silicon duct, system matching part and optic cable air blowing installing service. M-Line Company boasts a group of professional talents specialized in the research and development, production and sales of communication pipeline products.

[Main Product]

HDPE Micro Duct , HDPE Tube Bundle and LSZH Bundle


HDPE duct

BRUKER SINGAPORE PTE LTD
**Booth
DD-09**

Bruker Nano Surfaces provides critical surface analysis instruments for research and production. Our broad range of application focused instruments from AFM, 3D Optical Profilers to Nano-Mechanical Testers and Tribometers support R&D, process development and manufacturing needs with good repeatability and accuracy in back-end, front-end Semiconductor, MEMS manufacturing and IC packaging.

[Main Product]

AFM, 2D and 3D Optical Profilers, Nano-Mechanical Testers and Tribometers, Photomask Repair Systems, Film Thickness and RI Semi Metrology, WLI Semi Metrology, X-Ray Defect Inspection, X-Ray Metrology for Compound Semi and Silicon Semi


Hysitron TI 990 TribolIndenter

Dimension IconIR

ContourX-500
OPTICAL GAGING (S) PTE LTD
**Booth
EE-17**

Optical Gaging (S) Pte Ltd (OGS) is a Quality Vision International company. Our parent company OGP was incorporated in Rochester, New York since 1954, specializes in the manufacture and design of non-contact and multisensor metrology systems. OGS works through South East Asia region network of Sales/Technical Centres and authorized representatives performing training and application support for our customers. Our products include: OGP SmartScope systems – multisensor metrology machines, QVI SNAP – 2D digital FOV measuring system.

[Main Product]

OGP. Quality Control. OGP's Industrial metrology systems are used during manufacturing process, ensuring quality and accuracy of manufactured parts and components. With over 75 years of technical innovation for industrial metrology, OGP is recognized worldwide as a customer trusted supplier of non-contact and multisensor dimensional measuring systems. Multisensing provides complete 3D measurement data from a single measuring machine. Video, contact probes, laser and micro-probes combine for total part characterization, with better accuracy, faster than doing on separate measuring systems.


OGP SmartScope E7

**OGP Metrology Software -
Zone3**

Shanghai Joinwit Optoelectronic Technology CO., LTD



Booth EG-73

Joinwit Optoelectronic Technical Co., Ltd was established in 1998, Joinwit Optoelectronic Tech. Co., Ltd. is a well respected manufacturer which specializes in designing, R&D, manufacturing and selling a full range of Optical Test & Measurements as well as passive components to domestic and overseas market. Joinwit has been awarded ISO9000 Certificate of German TUV, EMC Certificate and High-Tech Enterprise Certificate. Joinwit acquired many technical patents in the field of development and application of its products.

[Main Product]

Optical Test & Measurements Such as Fiber Ranger (Fiber Cable Locator)Optical Fiber IdentifierOptical Power Meter PON Power MeterOptical Light SourceVisual Fault LocatorOptical Multi MeterOptical Talk Set etc. Fiber Optic Passive Components Such as various kinds of Optical Couplers, Isolator, Filter, Circulator, WDMs, Attenuators, Adapters, Patch Cords etc.



JW8105S multi-channel high-speed optical power meter

SKYCOM COMMUNICATIONS LTD



Booth DB-09

SKYCOM Communications Ltd is a leading optical fiber tools supplier in China. Since its establishment in 2010, SKYCOM has been devoted to R&D and Manufacturing fiber maintenance device for more than 10 years. Our products and services including: Optical Fiber Fusion Splicer, OTDR, Fiber Cleaver, Optical Power Meter&Laser Source, PON Power Meter, VFL, Fiber Identifier, and other kinds of fiber tools, OEM and ODM services, Government tender project support.

[Main Product]

Optical Fiber Fusion Splicer, OTDR, Fiber Cleaver, Optical Power Meter&Laser Source, PON Power Meter, VFL, Fiber Identifier.



SKYCOM fusion splicer T-308X



Smart OTDR

STAr-Quest Technologies Pte Ltd.

Booth
EE-73

STAr is the acronym for "Semiconductor Test Architects" and as in the name - we are the architects with leading technologies for semiconductor test solutions.

[Main Product]

STAr's expertise extends across parametric electrical tests (E-test), wafer-level and package-level reliability (WLR & PLR), probe stations, mixed signal tests, assembly and packaging services, probe cards, load boards, test interfaces and sockets.



**Magic A200 Probe Station -
200 mm Analytical Probing
Solutions**



**Magic P300e Probe Station -
Advanced 300 mm Analytical
Probing Solutions**



**Sagittarius-SPT Silicon
Photonics Test System**

Shanghai Join-mu intelligent technology
Co.,LtdBooth
DB-22

Shanghai Join-Mu Intelligent Technology is a domestic high-tech enterprise of professional optical communication instruments and customized solutions. It is a professional supplier of optical communication testing instruments, equipment and customized testing solutions. Through platform hardware and software modules, we provide a full range of testing instruments from passive devices to active optical modules, and can provide professional and customized solutions for the production, testing and monitoring of new optical communication devices and optical cables.

[Main Product]

MAP900 Multi-channels insertion loss and Return loss Test system MU9501 A Wrap free IL&RL tester MAP900-ODA Optical fiber instantaneous break detection system MU9605 Polarization extinction ratio tester.



**MAP900-ODA Optical fiber
instantaneous break
detection system**



**MU9501 A Wrap free IL&RL
tester**



**MAP900 Multi-channels
insertion loss and Return loss
Test system**

Microview Intelligent Packaging Technology (Shenzhen) Co., Ltd



Booth
DA-01

The Microview Intelligent Packaging Technology (Shenzhen) Co., Ltd, founded in 2019, specializing in the R & D and production of high-precision chip packaging equipment. Microview has a complete set of independent core technologies, its core members have more than 20 years of experience in high-precision chip packaging industry. The Microview is developing forwards internationalization, committing to establishing partner-ships with enterprises from all over the world.

[Main Product]

MV-15D High-accuracy Die Bonder Multi function Flexible MV-15H High-accuracy Die Bonder High Speed Eutectic process MV-15T High-accuracy Die Bonder (High Speed, Epoxy process).



**MV-AVR Optical Module
Bonder**



**MV-15T High-accuracy Die
Bonder (High Speed, Epoxy
process)**



**MV-15H High-accuracy Die
Bonder (High Speed,
Eutectic process)**

Suzhou Semitop Semiconductor Co.,Ltd



Booth
DD-26

Semitop found in 2020 wiseetec found in 2021: wafer bonding/debonding equipment Semithermo found in 2021: RTP/RTA equipment Headquarter: Suzhou, China Wiseetec: Suzhou manufacturing center, Taiwan R&D office Semithermo: Suzhou manufacturing center, Taiwan R&D office Employment: 200+ employees Sales revenue: >1 Billion RMB 2021 Customers: >100 semiconductor customers in China LED industry Compound semiconductor industry Si semiconductor front end/advanced package industry.

[Main Product]

WiseeTec products: wafer bonding and debonding equipment Semithermal products: fast temperature annealing furnace.



**semiconductor
manufacturing equipment**

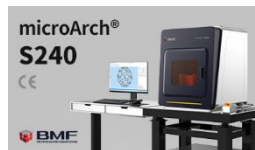
BMF Precision Tech Inc.

**Booth
DC-03/DC-13**

BMF manufactures high precision micro 3D printers. The company's microArch system uses a 3D printing approach called PμSL (Projection Micro Stereolithography) that leverages light, customizable optics, a high quality movement platform and controlled processing technology to produce the industry's most accurate and precise high-resolution 3D prints for product development, research and industrial short run production. The technology represents a true industry breakthrough by empowering product manufacturers to capitalize on the benefits of 3D printing without sacrificing quality or scale.

[Main Product]

BMFs microArch printers are designed for precision rapid prototyping and direct manufacturing. With ultra-high printing resolution (2m - 25m) and printing tolerance (+/-10m - +/-50m), microArch 3D printers can provide customers with mold free ultra-high precision rapid prototyping and small batch manufacturing. With tough, rigid, thermal resistant, BIO compatible resin and other functional printing materials, it enables microArch 3D printing system to directly form precision plastic structures and functional devices without polishing, grinding, spraying and other post-processing methods.


microArch® S230

microArch® S240

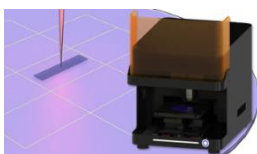
microArch® S350
LUX PHOTONICS CONSORTIUM

**Booth
EG-16A**

LUX Photonics Consortium (LUX) is a public-funded organization supported by National Research Foundation (NRF) and hosted by Agency for Science Technology and Research (A*STAR). A national level platform that strives to facilitate photonics IP commercialization and encourage stronger research partnerships between Institutes of Higher Learning (IHLs) and the industry, in developing groundbreaking applications and to act as a link with the global photonics network.

[Main Product]

Leveraging on the critical mass of photonics research expertise and resources at the IHLs, the consortiums research capabilities span from fundamental science to applied photonics and optical engineering. With more than 70 faculty/research members technical expertise and state-of-the-art equipment and facilities, our research capabilities complement over 70 industry members R&D towards new innovations and technologies.


Desktop Direct Laser Writer

PHENIX OPTICS CO., LTD.

**Booth
FR-18**

Formerly named Jiangxi Optical Instrument Plant (established in 1965, Shangrao, Jiangxi Province), Phenix Optics is a world famous optical enterprise with over half a century of history. The registered capital of the company reaches 280 million RMB and it is headquartered in Shangrao, Jiangxi Province. With over 300,000 sq.m. of manufacturing area and 3500 employees as of year 2023, Phenix is able to deliver quality products efficiently for our customers. Phenix was also the first optical company listed on the Shanghai Stock Exchange in 1997 (Code: 600071).

[Main Product]

Our main business includes parts and components processing, imaging lenses, camera modules, intelligent control, scientific instruments, and batteries. 6 highly integrated business sectors combined to provide customers with full range of products and services.


Intelligent Controller

Surveillance Lens

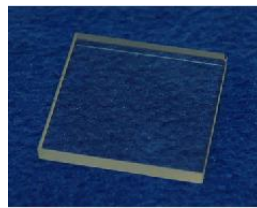
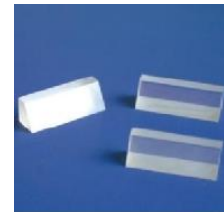
**OEM Endoscope Products
and Medical Components**
Hobbite Co., LTD

**Booth
EH-06**

Hobbite.Co., Ltd is a manufacturer specializing in customized precision optics, telecom optics, laser optics, image optics, lighting optics, crystals and optical coating since 2014. Our core team has over 50 combination years of experience in manufacturing optical components with 2000 scenario applications. Our products are supplied to be part of the optical communication, laser, bio-medical, lighting industrial products, and got good reputation in North American, European, Asian markets. With the ISO:9001 Quality System Certification obtained in 2019.

[Main Product]

Windows, Mirror, Prism, Waveplate, PBS/NPBS, C-lens, Ball lens, Cylindrical lens, Fast Axis collimating lens, Laser crystal and processing: rod lens, rod, windows(PPLN, BBO, Calcite, KDP, KTP, LiNbO₃,Nd:YVO₄, Cr⁴⁺:YVO₄)


Collimating lens

Float Glass Windows

Birefringent Wedge

Beijing Trans Manufacture and Trade Co., Ltd.

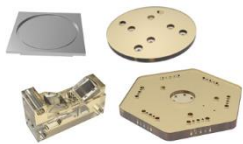


Booth
EK-23

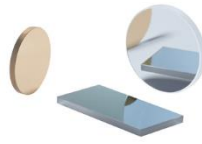
Beijing Trans Manufacture and Trade Co.Ltd (BTMT) established in 1998, located in Beijing, China, is a leading global manufacturer and supplier of high-precision optical lenses and assembly. We supply customized products from prototype to volume production. Equip with a one-stop optical inspection center and devote to 100% certainty delivery. BTMT has served a variety of markets globally including Semiconductor, Metrology, Health & Science and others, under the whole process of refined production management. Our products have been exported to more than 30 countries and regions.

[Main Product]

We supply customized products from prototype to volume production. Highlights product include: 1/ Prism: <200mm; 2/ Spherical Optics: Dia. 2-360mm; 3/ Flat optics: Dia. <500mm; 4/ Cemented components: Prisms elements 2-150. maximum elements can reach 20 prisms; 5/ High Precision assembly lens; 6/ Structural Components: Dia. <450mm.



Structural Components



Flat optics



High Precision assembly lens

HENAN UM OPTICS LTD



Booth
FR-22

UMOPTICS is a comprehensive optical materials and components manufacturing company located in Xinyang City, Henan Province, China. Our business scope covers material growth, component processing, coating, and devices, with a complete industrial chain. We have a team of over 300 employees, including more than 20 doctoral degree holders and over 20% scientific researchers, who are top experts in optical design, production research and development, and technology.

[Main Product]

UMOPTICS has obtained dozens of invention patents and certifications such as ISO 9001:2015, ISO 14001:2015, and ISO 45001:2018. Our produced materials include fluoride, Si, Ge, ZnS, and ZnSe infrared materials. We also possess world-leading growth technologies for CaF₂, BaF₂, and MgF₂. UMOPTICS has flat, spherical, and non-spherical processing centers, with an annual production capacity of over 5 million pieces of various optical lenses, including flat plates, lenses, prisms, non-spherical lenses, and more.



Optical Crystals

APP SYSTEMS SERVICES PTE LTD
**Booth
EH-12**

APP offers a comprehensive range of vacuum coating, grinding, surfacing, polishing, metrology tools and coating materials pre-dominantly for the ophthalmic, precision optics, optoelectronics and automotive markets. From pre-coating to post-coating processes, we work with renowned suppliers and partners to deliver both total solutions and quintessential after-sales services.

[Main Product]

Precision Optics (Thin Film Coating Solutions) Ophthalmics (Thin Film Coating Solutions) Automotive/ 3D (Vacuum Metalizers) Coating Materials & Consumables Optics Measuring & Metrology Tools Optics Testing Systems Optics Machining Thin Film Deposition Components Vacuum Pumps, Components & Instruments Helium Leak Detectors Cryochillers Optical Thin-Film Software Thin-Film Thickness Measurement Systems.


Umicore Coating Materials

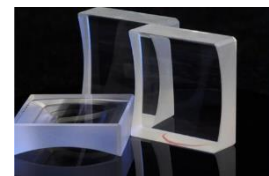
**Thin Film Deposition
Components**
BOTE OPTICS
**Booth
DD-20**

Bote Optics (S) Pte Ltd is a high-tech enterprise specializing in optical manufacturing and coating. The company has been committed to providing high quality optical products and services to customers at home and abroad. Our business includes optical coating, optical design and processing of various kinds of spherical lens, aspherical lens, cylindrical. Our business includes optical coating, optical design and processing of various kinds of spherical lens, aspherical lens, cylindrical lens, window, prism, filter, polarizer, mirror and optical assembly lens, etc.

[Main Product]

optical coating, optical design and processing of various kinds of spherical lens, aspherical lens, cylindrical lens, window, prism, filter, polarizer, mirror and optical assembly lens.


Scanning Lens

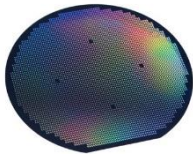
Fisheye lens

Cylindrical Lens

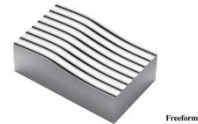
MOVEON TECHNOLOGIES PTE LTD
**Booth
EE-27**

Moveon specializes in optical design, prototyping, and large-scale production. Using advanced tools and software, we excel in refractive and diffractive optics design and manufacture. Prototyping involves 3D printing, diamond turning, and soft tool injection molding. As one-stop-shop solution provider, Moveon boasts a robust infrastructure, including micro-molding machines, PVD chambers, diamond-turn lathes, 2PP and DWL submicron 3D printers, wafer level optics equipment, etc. Our precision and efficiency make us well-equipped for quick prototyping and high-volume demands.

[Main Product]

Custom optics, precision optics, polymer optics, sensing and imaging optics, micro and nano optics, wafer level optics, solder-compatible optics, sphere and asphere lens, toric lens, micro lens arrays, prisms, gratings, fresnel lens, pyramid structures, DT tools, IR optics, camera modules.


Wafer Level Optics

Module Assembly

**Diamond-Turned
Components, Tools & Inserts**
C OPTICS INC.
**Booth
FL-14**

There are more than 2000 square meters Workshop areas, more than 100 sets of various optical processing equipments, 30 professional optical workers, a large team of experienced Optical Engineers in C OPTICS. We provide Experienced Optical Engineers to support our customer's specific product design and application requirements, the product high quality in C OPTICS is controlled by GB/T 19001-2016/ISO 9001:2015 Quality Control System Certification.

[Main Product]

Optical components in C OPTICS production line include Optical Elements, Crystal Optics, Optic Glass, Laser Lenses, silicon wafer, Machine Vision Lens, Optical Fiber Communication, etc. Laser Lenses and silicon wafer are Superior products in C OPTICS.


**Polarization-maintaining fiber
jumper**

Laser lens

Mechanical vision lenses

CRYLIGHT Photonics, Inc.**CRYLIGHT** 创恒**Booth
FM-10**

CRYLIGHT Photonics, Inc. was founded in 2005, now we have 200 employees in total, Our company specializes in crystals and optical products for the commercial and research marketplace including laser, semiconductor and telecommunication applications. The products we can process including crystals, precision optics, polarization optics, laser optics, IR optics and Custom Lens Design.

[Main Product]

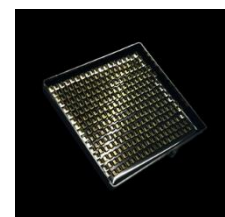
Optical imaging lenses, various types of precision optical components, precision coating components, medical endoscope components, etc.

**Line scan lens****Precision optical element****Ultraviolet lens****Hunan Attoes Optics Technology Co.,Ltd****ATTOES****Booth
FM-14**

Hunan Attoes Optics Technology Co.,Ltd was established in 2019, specializes in manufacturing glass-molded aspheric and aspheric binary surface optical components using its unique one-mold-multiple-cavity technology, which enables mass production. Our molded products were the first to be introduced to the ultrafast laser industry, and we have a strong in-house molding support capability. Our goal is to play the "key supporting role" in optical sensing, and we are always striving to achieve it.

[Main Product]

The business areas of the our company cover glass-molded aspheric lenses, optical components, laser modules and other fields.

**Aspheric Powell Prism****Point Modules****Aspheric Cyline Array Lenses**

ChangChun Worldhawk Optics Co., Ltd
**Booth
FQ-14**

Changchun Worldhawk Optics Co., Ltd. was founded in 2010, with 13 years of optical processing and international export experience, with branches and processing plants in Nanjing and Hong Kong. We always uphold with the concept of reliable, stable and attentive service, we have become a reliable and excellent partner for many European, American and Asian enterprises. In the past few years, Waterwark has participated in optical exhibitions in Munich, Frankfurt and San Francisco, which have deepened our communication and trust with our customers.

[Main Product]

Our advantage is that we have many experienced engineers and skilled workers, which is an important guarantee for the production of high quality products, our products include not only conventional optical glass products, but also sapphire materials, optical products for infrared materials, as well as coated and specially customized products.


**Optical High Reflective
Mirrors**

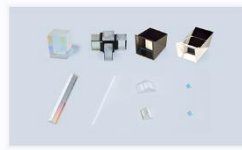
Optical Cylindrical Lenses

**Optical Prisms and Light
Pipe Prisms**
Matsubayashi Optics (Guangzhou) Co., Ltd
**Booth
EL-09**

Founded in March. 1998, Matsubayashi Optics (Guangzhou) Co.,Ltd specializes in manufacturing all types of prism, lens, mirror, lens assembly and other optical product, which have been used on projector, laser TV, wearable device, HUD, bio-metric recognition, temperature measuring device and lens for thermal imaging. Since 26 years establishment, Matsubayashi has built great long term relationship with many globally famous companies from all over the world, continuously meets customers demand with a service policy of reliable quality, precise delivery and favorable price.

[Main Product]

Lens unit: Projection lens, temperature measuring device, lens for thermal imaging. Prism: micro-prism that are used for wearable device, X-CUBE, LCOS. Lens: lens for projectors, 20mm to 180mm in diameter. half-ball lens. Plate: UV-IR, beamsplitter, filter, dichroic mirror, partial beamsplitter.

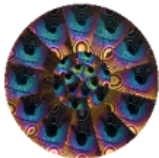

Lens unit

Prism

Leading Optics (Shanghai) Co., Ltd.
**Booth
FN-25**

Leading Optics (Shanghai) Co., Ltd. specializes in nanoscale precision manufacturing equipment and mass production of micro-nano optical devices. We offer comprehensive technology, from ultra-precision manufacturing equipment to core processes, enabling large-scale production. Our high-quality solutions cater to integrated circuits, biomedicine, and intelligent driving industries. In Jiangsu, Leading Optics (Jiangsu) Co., Ltd. has a 180,000 square meter facility in Rugao. Together with our Shanghai research center, we drive the rapid growth of the optical ultra-precision manufacturing industry.

[Main Product]

polygonal mirror: the polygonal mirror laser radar solution is currently recognized as a superior approach for application in intelligent vehicles. Lens arrays: Lens arrays processed by ultra-precision single-point diamond turning have their unique advantages and serve as the prerequisite for wafer-level optical manufacturing achieved through nanoimprint, precision injection molding, and glass molding. Aspheric Ge lens elements: They are widely used in infrared optical systems..


Micro lens array

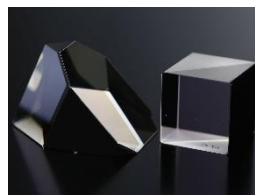
Aspheric Ge lens

Polyhedral mirrors
SINGAPORE DYNAMIC OPTRONICS PTE LTD
**Booth
EH-18**

SDO delivers high quality optical components, modules and sub-assemblies for the precision optics industry. SDO is driven by highly competent and dedicated staff, each with many years of experience in precision optics. As our products are fully compliant as made in Singapore and we are located in this country, SDO is a reliable, strategic global sourcing partner. Our small and agile operations ensure we can meet the varied needs of our customers, in this ever-evolving business landscape.

[Main Product]

SDO offers 2 broad categories of products: precision optical components and opto-mechanical sub-assemblies. We can offer Spherical lens, Aspherical lens, Molded Optics, Prisms, X-cubes, Window Wedge Mirror Filter, Beamsplitter, Beamcombiner etc. For Opto mechanical sub assemblies, we provide built-to-print modules such as Eyepiece and Objective. Our capabilities include, Thin Film Coating, Optics Final Process, Magnetorheological finishing MRF, Fine Cementing, Edge Blackening, Interferometry, Spectral curve measurement, Coating Durability Testing, MTF/EFL/BFL transmission test and so on.


Spherical lens

Prism and Flat Optics

Thin Film Coating

OPTO PRECISION PTE LTD

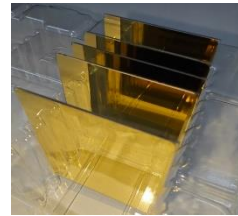
**Booth
EG-16D**

Opto Precision, an ISO 9001 Certified company, offers one of the best Optics Assembly, Optics Component manufacturing and Coating facilities in the Southeast Asia region and our excellent IP-Protection systems, strategic location and Talented manpower resources in Singapore allow us to provide excellent products, faster turnaround time and competitive pricing to customers worldwide. Our customer base includes companies from the USA, Europe, the Middle East, Asia, Australia and Southeast Asia.

[Main Product]

Bandpass filters, notch filters, long/ short pass filters, high OD filters, wedge filters, metallic mirrors, dielectric mirrors, beamsplitters, prisms, lenses, optical windows, customizable optics, polymer optics, anti-reflection coatings, optical assemblies.


Beamsplitters

Optical Filters

**High-reflectivity Optical
Mirrors**
CLZ Optical Co.,Ltd

**Booth
FP-02**

CLZ Optical Co., Ltd. is one of the leading optical manufacturing companies in China, established in Changchun, the center of optical manufacturing in China, in early 2012. It was founded by four individuals with 60 years of optical experience, trained at Qioptig in Singapore. After returning to China, they put their technical knowledge to use in optical processing. With a scientific attitude, team spirit, and integrity, the founders of CLZ were able to grow the business quickly and successfully.

[Main Product]

Optical Components, Optical Dome, Plano-concave lens, Plano-convex lens, Optical Windows, Optical Prisms, Optical Filters, Cylindrical Lens, Optical Mirrors.


Optical Dome

HRFZ-Si THz Lens

Optical Mirrors

Changchun HeQi photoelectric Technology Co., LTD



Booth
FQ-12

Changchun HeQi Optoelectronic Technology Co., LTD., is founded in 2022. It is a high-tech enterprise focusing on research and development, production and sales of space laser communication, photoelectric imaging, observation and aiming products. The company has 25 employees. Many of the R & D production team have ever served in Changchun Institute of Optics, Fine Mechanics and Physics, Chinese Academy of Sciences, whose possess first-class optical design, mechanical design, electronics design capabilities, and in the field of optical processing, mechanical processing etc.

[Main Product]

Laser communication terminal, high-precision continuous zoom lens, large-diameter off-axis aspheric mirror and other products have been developed, and are widely used in the field of space laser communication, high-precision viewing equipment, high-energy laser obstacle clearance and rejection products. It has been adopted by many scientific research institutes, universities etc.



F33-300



Large aperture aspherical
lens



HQ-SLCE 1

Changchun Yi Li Photoelectric Instrument Co., LTD



Booth
FQ-11

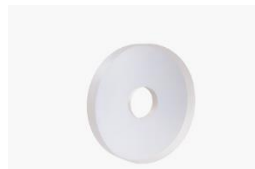
Changchun Yi Li photoelectric instrument Co., Ltd. is a high-tech corporation founded in 2015. It is mainly engaged in the design, research, production and sales of sophisticated photoelectric instrument. We have 45 outstanding technicians specializing in optical, mechanical, electrical, mathematical fields, including 6 PhDs, 5 senior engineers, 2 Changchun craftsmen. The productions widely applied in research institutes, universities, public security bureau, military and safety supervise department, which have been received high reputation from customers.

[Main Product]

The advantages of our company products such as continuous zoom lens, photoelectric servo tracking system and large aperture aspherical lens processing are leading technology integrated design, well-established process, trustworthy products because of experts introduction, adequate investment and innovation of technology and processing.



YLGD GZT03 Multi-load
photoelectric tracking
turntable



Aspherical lens



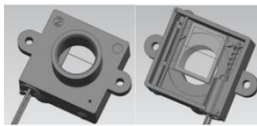
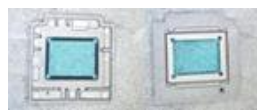
YLGD 15-300X Visible light
continuous zoom optical
system

DONGGUAN XUMING PHOTOELECTRIC CO., LTDBooth
FR-17

Dongguan Xuming Photoelectric Technology Co., LTD. "was established; In May 2021, it belongs to the wholly-owned company of Xujing Optoelectronics, Xuming mainly produces infrared cut-off filters, optical low-pass filters, CWDM, narrow band filters, sapphire, blue glass and other optical materials precision coating and processing. The company has always adhered to the corporate mission of "becoming the preferred service provider in the supply chain of precision optical thin film products". After 9 years of growth, we have become a well-known enterprise in the optical industry.

[Main Product]

Electronics, Car category product, Camera products, Security products, Optical communication.

**HC02 motor series ICR****IR module****Black film****XIAMEN ALAUD OPTICAL CO., LTD**Booth
FM-29

Established in 2002, Xiamen Alaud Optical Co., Ltd. is an optical lens manufacturer integrating R&D, production and sales. Alaud is committed to providing professional, innovative and superb optical lens products and solutions to customers in the global imaging field. Alaud has a highly standardized dust-free production workshop and advanced automated production equipment. The self-developed lenses have obtained a number of invention patents and utility model patents. We can customize various optical imaging lenses and optical components for customers.

[Main Product]

ToF camera lens, fisheye lens, megapixel lens, low distortion lens, machine vision lens, pinhole lens, optical lens, window cover glass, thermal imaging IR lens and customized lens.

**4K lens****Liquid lens****Machine Vision Lens**

KOWA SKYMECH PTE LTD



Booth
EE-07

Kowa Skymech is a leading robotics integration and industrial automation company that specializes in purpose-built, flexible solutions for manufacturers across industries. The company was established in 1988 with a focus on design-and-build of customized automation machines for the electronic industries. Kowa Skymech soon diversified its capabilities and developed new competencies to cover other growth industries, building custom-designed machines, flexible automation systems (FAS), as well as vision inspection and robotics integration solutions.

[Main Product]

Specializing in comprehensive robotics solutions, our expertise extends to crafting tailored automation for unique industry needs. Offering diverse industrial lenses, including fixed focal, line scan, telecentric, varifocal, and macro zoom lenses, we enhance transmission, sensitivity, and reliability in harsh environments. Our advanced 2D/3D cameras, available in GigE or CXP, support imaging for manufacturing and inspection lines. Committed to cutting-edge solutions, we customize cameras and lenses, optimizing combinations for your automation and imaging needs..



FC24M series



Harsh Environment Resistant
GigE vision series



GigE vision series

JIANGSU ARMORED OPTICAL TECHNOLOGY CO.,LTD

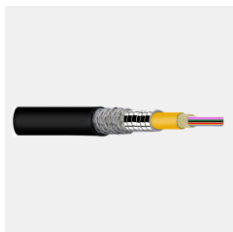


Booth
DC-15

Jiangsu Armored Optical Technology Co., Ltd. was established in April 2020 with a registered capital of 50 million yuan. Since its establishment, Amude Optoelectronics has passed ISO9001:2015 certification, EU RoHS and REACH environmental protection, UL certification, CPR certification, coal mine safety certification, and other certifications; Amid Company, adhering to the concept of "Best Protection Better Community", is willing to provide the most professional and systematic protection services for the optical communication industry!

[Main Product]

Company products: armored optical cables, special optical cables, sensing optical cables, communication optical cables, optoelectronic hybrid cables, fiber optic connectors, tuning discs, and supporting nearby areas.



Multi core bundle armored
optical cable



ADSS bird peck resistant
optical cable



Sensing armored optical cable

Dongguan Yixin Photonics Co., Ltd
**Booth
FM-12**

Founded in Shenzhen in 2018, Yixin Optoelectronics is a high-tech enterprise engaged in the research and development, production and sales of optical lenses, and its products are used in high-end imaging fields such as automobiles, smart homes, face recognition, police equipment, and consumer electronics. The company has more than 40 people, the plant covers an area of 1,500 square meters, and the annual sales volume reaches 30 million.

[Main Product]

In-vehicle rearview lens On-board panoramic footage Video doorbell lens Police body worn camera footage Video conferencing footage Consumer electronics.

Sensor Type:1/4(PC7080)



Optical FOV(D):171
Optical FOV(H):146
Optical FOV(V):82

Fisheye lenses**SHENZHEN JSD OPTOELECTRONICS CO., LTD.**
**Booth
FQ-17**

Shenzhen JSD Optoelectronics Co.,Ltd is a leading provider in optical lens desing and manufacturing since 2009. Our lenses are currently used in over 300 customer products. So far, we have shipped over 5 million lenses to the United States, France, Europe, India, Japan, South Korea and many more countries. Our lenses are suitable for applications such as video conferencing, drones, robotics, video doorbell, surveillance and face recognition system. Our wide portfolio of products includes M12 lens, low distortion wide angle lens, 8mp lens, M8 lens, M7 lens, fisheye lens, surveillance lens .

[Main Product]

Machine vision lens, Low distortion lens, Automotive lens, M12 lens, M7 lens, 4K lens, 8MP lens.

**Machine vision lens**

Chengdu Sisheng Technology Co., Ltd.
**Booth
EJ-26**

Chengdu Sisheng Technology Co., Ltd. is a professional company that engages in researching and development, manufacturing, selling, servicing vacuum equipment. The company has a professional team of management, sales, technology and assembly, owns many years of experience in vacuum equipment technology R&D and production, especially optical vacuum coating machine, roll to roll vacuum metallizer machine, magnetron sputtering vacuum coating machine, which gained a good reputation from customer domestic and overseas.

[Main Product]

ZZS series Optical vacuum coating machine /JS series magnetron sputtering coating machine/Sequential coating productline/PM series winding-type vacuum metalliser.


**optical vacuum coating
machine**

**magnetron sputtering
vacuum coating machine**

**Roll to Roll vacuum metallizer
machine magnetron
sputtering type**
Satisloh Asia
satisloh®
**Booth
EG-05**

Satisloh, a global leader in machine manufacturing for ophthalmic and precision optics lenses. For over 102 years we have provided the optical industry with innovative world-class lens manufacturing machines. Our worldwide presence, means that wherever your businesses are located, we can provide local service and support to ensure you consistently get the best return from your investment.

[Main Product]

Satisloh provides cutting edge solutions and lens manufacturing solutions for surfacing, grinding, centering, polishing, coating and finishing equipment, consumables & tools, and services support. We strive to understand your business needs so we can innovate and create machines, tools, processes and capabilities that help your business to flourish and deliver support and ongoing service, wherever you are.


**SPM-10/SPS-10 Grinding &
Polishing**

C-300 Centering

1200-PO Coating

Evatec AG
**Booth
EE-20**

Evatec is a Swiss company with offices in the US, Europe and Asia, specialising in the development, production and distribution of high-tech thin film coating equipment for the advanced packaging, semiconductor, optics and optoelectronics markets. From the bright LEDs in our cars to the sensors and filters in our mobile phones, our expertise enables the world's leading manufacturers to provide solutions for autonomous driving, wearable technologies and devices, and high-performance 5G mobile networks.

[Main Product]

BAK Evaporators CLUSTERLINE Family (CLUSTERLINE 200, CLUSTERLINE 300, CLUSTERLINE 600) HEXAGON LLS EVO II SOLARIS FAMILY (SOLARIS S151, SOLARIS S380) MSP 1232


CLUSTERLINE 200BPM
**Bellking Vibration Reduction Equipment
Manufacturing (Kunshan) Co., Ltd.**

**Booth
FL-12**

Bellking Vibration Reduction Equipment Manufacturing (Kunshan) Co., Ltd is located in Kunshan City. It is a modern high-tech enterprise focusing on providing overall solutions to vibration control problems for various industries. It has many years of experience in manufacturing vibration reduction products for industrial plants and anti-micro-vibration products for equipment. All products of the company refer to the latest technology research and development, product orientation and quality has always been in the forefront of the industry.

[Main Product]

Bellking's products can be divided into air spring, precision pneumatic isolator, anti-vibration platform, optical platform, rubber isolator, spring isolator, inert shockproof base and so on. It is suitable for high precision measuring equipment, automatic production line, coordinate measuring machine, heavy duty generator, air conditioning, engine, etc.


**BK-A Type Pneumatic
Isolator**

**BK-R Type Pneumatic
Isolator**

**BK-PA Type Precision
Pneumatic Isolator**

Guilin FT-OPTO CO.,Ltd



**Booth
FM-25**

Guilin FT-OPTO Co.,Ltd established in 2009, more than 10 years of optical experience of microscope and obtained over ten product patents certificate. Our company specializes in precision optical instruments, opto electromechanical integration, we are a new high-tech enterprise that integrates product technology management, development, and large-scale manufacturing.

[Main Product]

monocular zoom lens, 4K zoom lens, motor zoom lens, 2D/3D video microscope, motor 3D video microscope, measuring microscope, video microscope, metallurgical microscope, microscope stand, microscope stage, objective and microscope accessory.



**Ultra HD 2D/3D Electric drive
Zoom Video Microscope**

Ningbo ShengDa Instruments Co.,Ltd



**Booth
EK-21**

Ningbo Shengda Instrument Co, Ltd. is located in Ningbo, Zhejiang Province, a famous cultural city with a long history. Founded in 2010, the company is a national high-tech enterprise integrating the research and development, production and sales of optical instruments. Companies as always adhering to the "carefully built quality first" concept, and strive to provide customers with high quality high efficiency service.

[Main Product]

Stereo microscope, Video microscope, Biological microscope, Metallographic microscope.



Zoom Stereo Microscope



Video Microscope



Metallographic microscope

YUYAO DAGONG INSTRUMENT CO.,LTD
**Booth
EK-10**

Yuyao Dagong Instrument Co.,Ltd. is one of the leading specialist manufacturers of stereo microscopes, located in Ningbo City, Zhejiang Province. Since our establishment, we have gained high reputation with the hard work of our skilled engineers, researchers and technicians. Our strong updated technical expertise makes us intensively aware of every customer's need, be it in product performance or prompt delivery. We are in line with the objective of " Quality first, Customer first ", providing you with high quality products and excellent service.

[Main Product]

Microscopes: Stereo Microscope, Biological Microscope, Metallurgical Microscope, Video Microscope
Microscope Parts: Microscope Head, Microscope Stand, Microscope Holder, Microscope Eyepiece, Microscope Auxilliary Objective Lens, Video Adapter, Illuminator, Mechanical Stage.


**DG7060 Stereo Zoom
Microscope**

**DMSZ30-C10 Digital
Microscope**

**DG2018 Biological
Microscope**
ZEIT Group
**Booth
EJ-21**

ZEIT Group is a Chinese national high-tech enterprise focused on lithographic blank mask for semiconductor and high resolution display industries, and the related high-end optical equipment such as atomic layer deposition (ALD) coating machine and service, high-precision magnetron sputtering coating machine, real-time stress birefringence detection equipment, fast steering mirror, mass spectrometer and so on. With the courage to explore and dedication to perfection, we will continue to satisfy our customers with our products and service, and contribute to our industry and society.

[Main Product]

Lithographic Blank Mask, ALD Coating Machine and Coating Service, Real-Time Birefringence Stress Detector, Fast Steering Mirror, Mass Spectrometer.


Mass Spectrometer

**Real-time birefringence
stress detector**

Fast Steering Mirror

Changchun Rongde Optics Co., Ltd



**Booth
FP-10**

Rongde Optics(ROUNDSS) was founded in 2006 in Changchun, the photoelectric industry base of China. Over the years, the company has continued to design and manufacture innovative encoder and encoder-related products. Customer requirement, innovative technology as well as missionary focus, all form the basis of Roundsss brand and first class products and make Roundsss in the front rank of encoder industry.

[Main Product]

Roundsss optical encoder is widely used in industrial automation. Among the many different encoders such as incremental micro solid shaft encoder, through hollow shaft encoder, servo motor encoder, magnetic ring encoder, gear tooth encoder, the absolute single-turn encoder and multi turn encoder. Those high precision encoders replace the similar foreign products which use of the defense equipment in domestic military, at the same time, also develop customized design and services with the requirements of customers in the special environment, satisfy with different customers needs.



Manual Pulse Generator



Incremental Encoder



Sever Motor Encoder

CYBERNET SYSTEMS MALAYSIA SDN.BHD.

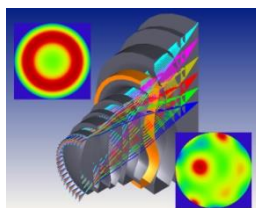
CYBERNET

**Booth
EE-25**

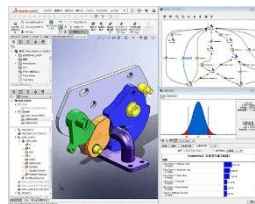
CYBERNET MALAYSIA supports customers in Malaysia, Singapore, Thailand, Vietnam, and other ASEAN countries. They provide a wide variety of software, technical support, engineering services and training for Computer-Aided Engineering (CAE), Vehicle Simulation, Casting Simulation, Tolerance Analysis, and Digital Engineering solutions that combine CAE with emerging technologies for Digital Transformation, such as IoT, AR-VR, Digital Twin, Big Data analysis, and AI. CYBERNET MALAYSIA is a wholly-owned subsidiary of CYBERNET SYSTEMS CO., LTD., Tokyo, Japan. A leading CAE company established in 1985.

[Main Product]

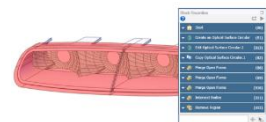
Ansys CAE software including Ansys Optics and Photonics products, PTC IIOT and Enterprise AR solutions, Vehicle Dynamics simulation software, ADSTEFAN Casting simulation software, Sigmetrix tolerance analysis software, Multiscale.Sim: multi-scale analysis and simulation tool, Optical measurement services, Engineering services, CAE Training and consultation. Website: www.cybernet.asia Email: information@cybernet.asia



Ansys CAE Software



Sigmetrix



Ansys Speos

AILI PHOTOELECTRIC INSTRUMENT CO.,LTD.



Booth FQ-19

The company is mainly engaged in the domestic and international markets of high-end astronomical telescopes, astronomical telescope lenses, optical lenses research and development, production and sales, processing as one of the production enterprises. Especially good at optical cold processing technology research and development and manufacturing. With more than 10 years of OEM production experience, and constantly improve the production and processing technology; The 204mm aperture apochromatic astronomical telescope is a new level of equipment for astronomy enthusiasts.

[Main Product]

Astronomical telescope, optical lens, medical machinery, optical system, optical lens.



AIRY DISK

AIRY DISK 204APO telescope



AIRY DISK

AIRY DISK 106APO telescope



AIRY DISK

AIRY DISK 140APO telescope

Shanghai Ideaoptics Corp., Ltd.



Booth EJ-31

Ideaoptics is an innovator in deep spectroscopy, having dedicated over a decade to the in-depth exploration of the micro-nano optoelectronics field. Ideaoptics has developed full-spectrum technology, emphasizing the fusion of photonics and artificial intelligence. Ideaoptics has established partnerships and collaborations with over 3,000 high-quality clients. Establishment: 2011, Shanghai, China Mission: Promote the progress of photonics technology Business: Semiconductor manufacturing and photonics research; scientific instruments and technological equipment.

[Main Product]

Spectrometers UV-Visible-NIR & Raman Microspectrometer Wafer-level Waveguide Grating Measurement System (Metrondie) Angle-resolved Spectrometer (R1) Angle-resolved Micro-spectrometer (ARMS) Optical measurement system of Metalens (MetronLens)



Spectrometers



R1



MetronLens

Dongguan TaiCheng Optoelectronic Co.,Ltd



**Booth
EK-09**

Opto-mechanical advanced process and equipment manufacturing supplier. The company was established in 2002 in Dongguan, Guangdong. It is mainly engaged in the research and development and production of equipment in the field of optics and optoelectronics. The company now has two R&D and production bases, which are located in Chang'an Town, Dongguan and the main urban area of Chongqing, with a total of more than 50,000 square meters production sites.

[Main Product]

The major products include: lens automatic assembly and packing, resolution power reverse test projector and fully automatic full frequency MTF, fully/semi-automatic dispenser, precise fuse machine, automatic locking machine (VCM+LENS, HOLDER+LENS), automatic plastic lens cutting machine, lens inking machine, automatic lens gluing machine; Automatic IR placement machine; and so on. Additionally, the company is also capable of customizing special machines according to the special requirements of clients.



**Automatic assembly machine
for optical lenses**



**Automatic gluing lens
machine (glass or plastic lens)**



**Automatic arranging machine
for spacer and SOMA**

Zhongshan Sprecision Technology Co.Ltd



**Booth
FR-09**

Zhongshan Sprecision Technology Co., Ltd., a subsidiary of Guangzhou Jingdian Group, we can process externally, glass aspherical tungsten steel molds, free-form surfaces, cylindrical mirrors, array lens molds, HUD molds and cold processing of glass aspherical surfaces. This exhibition also shows ultra-precision equipment produced by Guangzhou Jingdian Group, including High Precision Aspheric Machining System (Turning/Grinding Machine), Glass Mold polishing Machine, Aspherical Glass lens polishing machine, and Ultrahigh Accurate 3-D Profilometer.

[Main Product]

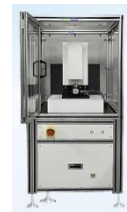
Ultra-Precision Optical Aspherical Mould/Lens Grinding Machine
Ultra-Precision Glass Mold polishing Machine
Ultra-Precision Aspherical Glass lens polishing machine
Laser Aspheric Contour Measuring Tool
Optical mold processing



**Ultra-Precision Optical
Aspherical Mould/Lens
Grinding Machine**



**Ultra-precision Optical
aspheric Lens Polishing
Machine**



**Laser Aspheric Contour
Measuring Tool**

**JIANGSU XIBIN OPTO-ELECTRONIC
CO.,LTD.**

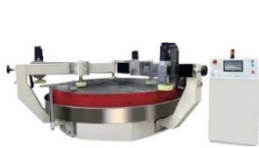


**Booth
FM-09**

Xibin Optoelectronics, also known as Jiangsu Xibin Optoelectronics Co.Ltd., established Wuxi Xibin Optoelectronics Equipment Factory in 2001, changed to Wuxi Xibin Optoelectronics Equipment Co.,Ltd. in 2007, established Yancheng Xibin Optoelectronics Technology Co., Ltd, in 2012, changed to Jiangsu Xibin Optoelectronics Co.,Ltd.in 2021, and established an optical experimental workshop. Our company has grown into a high-tech enterprise specializing in the research and development, manufacturing, sales, technology and optical devices of optical cold processing equipment.

[Main Product]

Main products: intelligent ring polishing machine series, CNC single axis machine series, pneumatic precision grinding and polishing machine series, high-speed precision grinding and polishing machine series, variable frequency multi axis machine series, cylindrical grinding and polishing machine series, intelligent flat milling and grinding machine series, chamfering machine, centrifuge, etc. Application: they are suitable for the fine grinding and polishing of plane, cylindrical and spherical surfaces of optical glass, crystal, ceramics, sapphire, silicon thread, mechanical seals, etc..



**Intelligent Ring Polisher
Series**



**Cylinder Grinding Polisher
Series**



**Automatic Milling And
Chamfering Machine Series**

**Mingzheng(Zhejiang) Electronic
Equipment Co., Ltd.**



**Booth
FM-26**

Mingzheng Machinery is engaged in the research and development, production, and sales of high-end single and double-sided precision grinding/polishing machines and equipment, widely used in high-precision and cutting-edge fields such as "piezoelectric crystals", "semiconductor substrates", and "precision optics". The core technology team has independently developed double-sided models: 6B \ 9B \ 13B \ 16B \ 22B \ 32B \ 40B Single sided models: various high-precision single/double-sided grinding and polishing equipment such as 32B, 36B, and 50B.

[Main Product]

Double sided models: 6B, 9B, 13B, 16B, 22B, 32B, 42B, etc Single sided models: 32B, 36B, 50B, 54B, 59B, etc Grinding and polishing equipment accessories, accessories, etc.



**32B Double sided lapping
polishing machine**

Guangdong Kingding Optical Technology Co., Ltd



Booth FT-02

Guangdong Kingding Optical Technology Co., Ltd is a high-tech enterprise established on August 10th, 2011, With a registered capital of 23 million RMB. The company is located in Zhongshan city .The company specializes in developing, manufacturing, and selling precision aspherical lens automation molding machines, ultra precision single point diamond turning, ultra precision aspherical surface grinding lathe, optical equipment and automation, optical lenses and assemblies, coating technology products. These products are mainly exported to Japan, USA, Germany, Korea, Hong Kong, Taiwan, etc.

[Main Product]

Precision aspherical lens automation molding machines, ultra precision single point diamond Turning, ultra precision aspherical surface grinding lathe, optical equipment and automation, optical lenses and assemblies, coating technology products.



Full Automatic and Precision Aspherical Lens Molding Machine



Automatic Precision Milling Machine



Ultra Precision Single Point Diamond Turning

Dongguan Mengxun Machinery Co., Ltd.



Booth FR-16

Mengxun Group was established in 2009 in Dongguan, China, which is engaged in the manufacturing, sales, application and services of high precision machinery. It's own brand Roneind mainly include 3 axis & 5 axis machining centers, which are fully designed and manufactured by its own team. The products are mainly designed for the machining of ultra precision parts in fields of Optical lens and imaging mold, Mirror super finishing of infrared laser parts, Ultra-precision aerospace parts etc. Roneind-To be your reliable partner in precision manufacturing.

[Main Product]

3 Axis Machining Center: E500, S500 *Mineral component bed *High speed precision electric spindle (Aerostatic bearing spindle) +linear motor drive + Minimum setting unit 0.001um *Available for 0.02mm micro hole machining *Accuracy of surface precision machining up to Ra35nm 5 Axis Machining Center: X500 * Optimized design of gantry structure Frame-in-frame structure of Z-axis, with good rigidity, dynamic and thermal symmetry * Double axis and double motor drive balanced design of Y-axis, with higher stability * A/C axis linear motor drive * CNC rotary swing table,+/-130



E500 LP-3 axis CNC Machining Center



S500-CNC ultra precision machining center



X 500-5 axis machining center

SINTEC OPTRONICS PTE LTD



Booth
EH-11

Sintec Optronics is a distributor and integrator of photonic components and systems, including laser sources, laser and optical components, acousto- and electro-optical components, laser machines, measuring instruments, etc.

[Main Product]

1) Lasers: Fiber lasers, laser diodes, CO2 lasers, UV lasers, Ultrafast lasers, Blue lasers, DPSS lasers, Supercontinuum lasers, Microchip lasers 2) Optics and Imaging Lenses: f-theta lenses, beam expanders, focus tunable lenses, metalenses, deep UV optics 3) Crystals: PPKTP, KTP, RTP, LBO, BBO, PPLN, Nd:YAG rods, etc. 4) Acousto-optical Components: AO modulators, frequency shifters, q-switches, pulse pickers 5) Laser Components: Flash lamps 6) Instruments: Refractive index profilers, Laser range finders 6) Accessories: Laser safety goggles, protective windows, etc.



G&H - Photonics Solutions



Optics and Nonlinear Crystals



Arden Photonics - Fiber Measurement Instruments

JIANGSU LUMILSPOT PHOTOELECTRIC SCIENCE & TECHNOLOGY CO., LTD.



Booth
EJ-16

Lumispot is a scientific and technical enterprise specializing in diode laser, solid-state laser, fiber laser and relative system R&D, manufacture and sales, powered by a team including 6 Ph.D. holders, industry leaders and technical luminaries. Subsidiaries distribute in Suzhou, Wuxi, Taizhou and Beijing with more than 2000 sqm facilities, 500+ employees, and 150+ patents. Good cooperation with universities and institutions. Focusing on technology, innovation and talents, we are dedicated to becoming a world-class navigator in photoelectric industry with reliable quality and trustful services.

[Main Product]

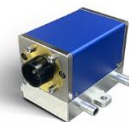
Laser Rangefinder; Laser Rangefinder Module; Laser Ranging Irradiator; LiDAR Laser; Fiber Laser; Erbium-Doped Glass Laser; Diode-Pumped Solid-State Laser; Laser Diode Stacks; Fiber-Coupled Laser Diode; Green Laser; Laser Dazzler; Solid-State Laser; Structured Line Laser; Vision Inspection System; Fiber Optic Coil; ASE Laser.



Eye-safe 1535nm Laser Rangefinder Module



1.5µm Eye-safe LiDAR Laser



CW/QCW Diode-Pumped Solid-State Laser (DPSS Laser)

IDI LASER SERVICES PTE LTD

Booth
EF-29

IDI Laser is one of the market's leading providers of custom laser solutions. We provide accessible and commercially viable laser solutions to our customers, with high-quality builds, efficient, customer-oriented service, and a continual commitment to including the most progressive laser technologies into our products. We are also a leading distributor of laser and LiDAR products and components and a premier provider of laser services such as laser cutting, welding, and engraving.

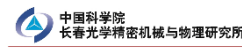
[Main Product]

Laser Cutting, Laser Welding, Laser Marking, Customised Laser Solutions and Handler Systems, as well as Laser Sources, LiDAR, and LiDAR components.



Epilog Fusion Pro Series

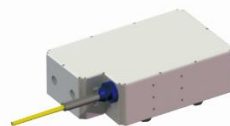
CIOMP

Booth
FN-01

Founded in 1952, the Changchun Institute of Optics, Fine Mechanics and Physics(CIOMP) is the first national research institute in modern China with optics as its primary research focus. With constant progress for more than half a century, CIOMP has taken on many challenges in order to meet the national needs through its independent hard work. CIOMP has made outstanding achievements in science and technology, cultivated talented young scientists, and translated its research into viable, useful innovations and products.

[Main Product]

Grating, Space Camera, Laser, etc.

High power semiconductor
laserHigh power semiconductor
laser fiber coupled light
source

DQ-IBF(Ion Beam Figuring)

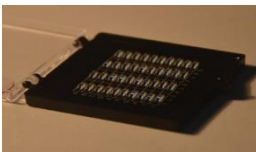
FUZHOU XK PHOTONICS CO.,LTD

Booth
EL-19

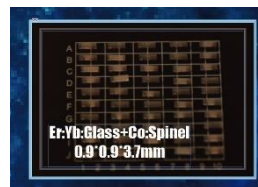
FUZHOU XK PHOTONICS CO., LTD are focusing in laser components for RGB, blue laser for DIY(including cylindrical lens, PBS plate, waveplate/ quartz crystal rotator , mirror) and NLO crystal, TGG crystal, also End cap for QBH. Our core team members have more than 30 years experience in optics field, we are growing with rapid developing of laser application. We are waiting for your talking about laser and optics.

[Main Product]

Components for RGB & DIY(Cylindrical lens, PBS plate, waveplate /quartz crystal rotator, mirror), NLO crystal (BBO, LBO, KTP), TGG, End cap, lens.



RGB prism

Er:Glass+Co:Spinel diffusion
bonding

3-14um lens

HEATSINK NEW MATERIAL TECHNOLOGY
CO., LTD.HEATSINK
海特信科Booth
FP-11/FP-13

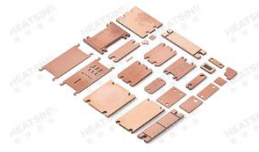
HEATSINK is expert in heat sinks / heat spreaders. As a widely recognized solution provider of microchips thermal dissipation and packaging, it is a high-tech company integrating R&D, manufacturing and electroplating of advanced metallic materials, and the quality of products has reached the international leading level. The top-quality high-end product portfolio covers a full range of high-performance microelectronic heat management materials, widely used in microwave, radio frequency, infrared, laser, integrated circuit, NEV industry and many other fields.

[Main Product]

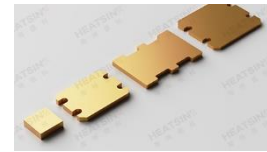
We produce a wide range of high performance heat sinks / heat spreaders from various materials: WCu, MoCu, Cu-Mo-Cu, Cu-MoCu-Cu, AlSi/AlSiC, Diamond- Cu/Al/Ag, Carbon Fiber-Cu/Al, Cu/Al Pin-Fin Baseplate, Laser WCu Bars, Baseplate/Spacer, Precision Machined Parts, Soldered parts, Electroplated parts, etc.



W-Cu heatspreader



Cu-MoCu-Cu



Cu/Al/Ag-Diamond MMC

Kocanic optics(Shen Zhen) Co.,LtdBooth
EJ-17

Kocanic Optics(Shenzhen)Co.,Ltd.is a manufacturing enterprise specializing in the development and production of various high-precision optical components.The company has a professional r&D team and skilled manufacturing team,focused on laser applications and market,UV-LED applications,and provide a variety of optical solu- tions for customers to choose from,is a full of vitality and enthusiasm of the team,looking forward to the optical road with everyone to achieve good results!

[Main Product]

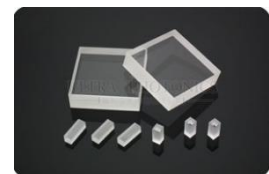
1.Flyeye lens can be widely used in projection,vehicle-mounted HUD,3D printing,photolithography lighting systems and other field 2.Micro lens can be widely used wavefront sensor,beam shaping,beam homogenization,fiber coupling and other fields. 3.Hemispherical and aspheric lens can be widely used in UV LED packaging, laser,exposure and semiconductor machinery and other industries.

**Flyeye lens****FUJIAN ULTRA PHOTONICS CO.,LTD**ULTRA PHOTONICS
—福建汉光光电有限公司—Booth
FM-07

Ultra Photonics(UP) was founded in 2008 and is located in Fuwan Industrial Zone, Cangshan Distinct,Fuzhou,Fujian, China. Engaged in the research and development, production and sales of crystals and optical components, the products are widely used in laser, optical information, optoelectronics, medical equipment, science research and other field. UP has a complete production line, a good quality system and an excellent management team, a comprehensive quality management system and strict management system have been established. Passed ISO90001:2015 Quality System Certification.

[Main Product]

Glan Polarizers, Dichroic sheet polarizer, Waveplate, Crystal Clements, Birefringent crystal, PBS, NPBS, Mirror, lense, windows,High Precision Optics Component.

**Polarization Optics****crystal optics****high precision optics
component**

Chengdu Yagcrystal Technology Co.,Ltd



Booth
EH-26

Chengdu Xinyuan Huibo Optoelectronics Technology Co., Ltd. was established in 2007, has been focusing on laser and infrared device research and development and production, 20 years experience in laser field.

[Main Product]

There are three main categories of products: (1) Laser Crystals (Nd:YAG, Nd, Ce:YAG, Yb:YAG, Er:YAG, Ho:YAG, Tm:YAG, YAG, etc.) (2) Adjusting Q crystals (LN, KTP, KD-P, Cr4 plus: YAG, etc.) (3) Nonlinear crystals (ZGP, BBO, LBO, AGS, AGSe, etc.) (4) Detectors (Si and InGaAs) (5) Optics Lenses: quartz, K9, silicon, vanadium, calcium fluoride and other materials.



YAG rods ,YAG strips ,Mid-infrared crystals, optics lenses ,photodetectors

WISOPTIC Technology Co.,Ltd



Booth
EL-21

WISOPTIC manufactures nonlinear crystals, laser crystals, Pockels cells, and precision optical components. As a registered national high-tech enterprise in China, WISOPTIC is keeping investing heavily in R & D to keep high standards of quality and to launch new products every year, and exports over 60% of its annual output to dozens of overseas customers in EU, UK, USA, Israel, Korea, Singapore, etc.

[Main Product]

1. Pockels Cells: DKDP Pockels cell, BBO Pockels cell, LiNbO3 Pockels cell, KTP/RTP Pockels cell. 2. Laser Crystals: Nd: YAG, Cr4+:YAG, Er: YAG, Yb: YAG, Nd: YLF, Tm: YLF, Bonded YAG 3. NLO Crystals: LN/PPLN, KDP/DKDP, KTA, KTP, BBO, LBO 4. Optical Components: Lenses, Waveplates, Polarizers, Right Angle Prism, Polarizing Window/Protective Window, Polarizing Beam Splitter (PBS), Corner Cube Retroreflector, Dye Laser Cell, Dye Laser Handpiece, Ceramic Reflector.



DKDP (KD*P) Pockels Cell



KDP/DKDP Crystal



Ceramic Laser Reflector

Hitronics Technologies Inc.



Booth
EK-01

Hitronics Technologies Inc. is a high-tech company engaged in photoelectric manufacturing. It is committed to providing optical solutions for customers in the application fields of autonomous driving, intelligent transportation, 5G optical communication, industrial laser, biomedical, etc. In the field of autonomous driving Hitronics is the most important supplier of laser light sources and component modules for LiDAR companies worldwide. Hitronics strives to provide customers with 1.5 μm eye safety laser, various LiDAR transmitter/receiver modules, LiDAR optical components, lenses, etc.

[Main Product]

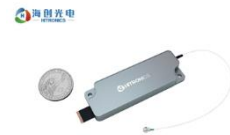
1.5 μm eye safety laser, various LiDAR transmitter/receiver modules, LiDAR optical components, lenses, etc., as well as all-around one-stop services from optical design, sample development to mass production.



1.5 μm FMCW PM Fiber Amplifier



1.5 μm Auto-grade Fiber Laser Module



1.5 μm Nano MOPA Pulsed Fiber Laser Module

Chengdu Dongjun Laser Co.,Ltd



Booth
EJ-22

As a national leading - tech enterprise, DJ-Laser specializes in research, development and production of laser crystal materials and other synthetic crystal materials. The company is situated at Chengdu Pujiang Eco-industrial Park, covering an area of 112 mu with overall floorage of 22,000 m^2 . A series of laser crystal materials manufactured by Dongjun Laser are widely used in military and civil fields. Dongjun Laser has abundant product categories in laser crystal materials.

[Main Product]

Dongjun Laser has abundant product categories in laser crystal materials. It can provide various crystal materials with different doping concentrations: Nd: YAG(Nd:Ce): YAGCr4+: YAGEr: YAG Ce: YAGYb: YAG(Tm.Ho): YAG(Tm.Ho.Cr): YAGNd: YAP Er: GlassYOV4Nd:YOV4. Also, it has first-class optical processing technology as well as can manufacturer various crystal bars, crystalslabs, composite crystals and threaded crystal ingots according to customers' requirements . DJ-Laser can supply LED sapphire substrates and special sapphire optical window in mass production. DJ-Laser also provide fluorescent materials.



Laser crystals



Eye-safe Laser Module



Sapphire product series

PALOMAR TECHNOLOGIES (S.E. ASIA)Booth
EE-09

Palomar® Technologies is a leading supplier of automated microelectronic assembly machines and contract assembly services with specialization in precision die attach, wire bonding and vacuum reflow solutions. Palomar solutions focus on flexibility, speed and accuracy to deliver improved production quality and yield, reduced assembly times, and rapid ROI for device manufacturers.

[Main Product]

Die Bonders Flip Chip Die Bonders UV Epoxy Die Bonders Solder Reflow Die Bonders Gold Wire Bonders Gold and Aluminum Wedge Bonders Vacuum Reflow systems High-Vacuum MEMS Sealers.



**Palomar Automated
Assembly Equipment and
Contract Manufacturing
Services**

GF MACHINING SOLUTIONS PTE. LTDBooth
DD-10

GF Machining Solutions is one of the world's leading providers of complete solutions for precision components and tools manufacturers and the mold-making industry. Established for more than 30 years as the Asian HQ in the region, GFMS continues to make significant contribution to the Precision Engineering Industry in the Asia Pacific region through its businesses in Singapore, Malaysia, India, Indonesia, Philippines. As a provider of total system solution to the precision engineering industry, GFMS has gained a reputation as competent and reliable partner to its valued customers.

[Main Product]

Our company products include milling, EDM, laser texturing, laser micromachining, and additive manufacturing machines. Additionally, the division offers spindles, automation, tooling, and digitalized solutions backed by unrivaled customer services and support. With its solutions, the division advances energy-efficient and clean manufacturing.



**AgieCharmilles LASER P 400
and ML5**

**CSRAYZER OPTICAL TECHNOLOGY
CO.,LTD.****Booth
EJ-15**

CSRayzer Optical Technology, becomes one of the leading Optical Devices manufacturers by aiming for, and consistently delivering high-end specification products. Established in 2016, the headquarter located at Wuhan Hubei Province, CSRayzer has several branch companies and workshops. The product applications are for ultrafast fiber laser system, fiber sensing system such as DAS/DVS, and seabed detection, LIDAR for wind or distance measurement, and other fields. Besides certified by ISO 9001:2015 / 14001:2015 / 45001:2018 Management Systems, some of our products has passed reliability tests.

[Main Product]

Acousto-Optic Modulators, Optical Faraday Rotators & Isolators, Fiber Optic Components, MEMS VOA, MEMS Optical Switch, Narrow linewidth laser diode, Pump LD, SOA, APD, SLD, FOG Fiber Coils, Fiber coil winding machine, ASE light source, EDFA and other optical Amplifier and modules.

**Fiber coil winding machine****3kHz LD Narrow Linewidth
Laser Diode****1550nm 200AH 100MHz APD
InGaAs Avalanche
Photodiode****FREEGES AUTOMATION CO.,LTD****Booth
EK-16**

Founded in 2009 and headquartered in Shenzhen City, Guangdong Province, Figus is a high-tech enterprise integrating R&D, production and sales. The main products are: screw modules, belt modules, electric cylinders, linear motors, audio Circle motors, DD motors, high-precision platforms, etc. After 18 years of development, Figus has now established dual processing centers in Shenzhen and Dongguan, established branches in many places, and has a sales network all over the country. The company has passed ISO9001 quality system certification, ISO14001 environmental management system certification.

[Main Product]

Iron core linear motor, iron core linear motor, DD motor, voice coil motor, screw module, precision platform, multi-axis combined track embedded moduleMagnetic levitation circulation line.

**XYθ alignment platform****voice coil actuator**

Dongguan Xintai instrument Co., Ltd.
**Booth
FP-26**

Dongguan Xintai Instrument Co., Ltd. was established in 2010. It is a high-tech instrumentation enterprise specializing in independent research and development, production, sales and service. It owns two major brands: "HTI" and "Xintest". The factory is located in Tangxia Town, Dongguan City, covering an area of more than 6,000 square meters. Since its establishment, the factory has always adhered to the business principles of talent-oriented and integrity, gathered industry elites, introduced advanced technology and equipment, and is deeply involved in infrared heating. In imaging technology,

[Main Product]

Infrared thermal imaging cameras, thermal imaging telescopes, anemometers, differential pressure meters, noise meters, temperature and humidity meters, environmental detectors and other instruments.


**HT-V01 vehicle infrared night
vision system**

**HT-203U Mobile thermal
camera**

U01
Precitec 3D Metrology
**Booth
FN-28**

PARTNERING WITH YOU Precitec 3D Metrology is a German manufacturer of highly innovative sensors and optical probes. Our CHRcodile® product line sets the standard in contact-free thickness and distance measurements. Precitec products deliver ultra-fast high-precision measurements for in-process, in-line and off-line applications with measuring ranges from micrometers to centimeters in various industries like Semiconductor, E-Mobility, Consumer Electronics, Glass and Medical Industries.

[Main Product]

Established in 1971, Precitec 3D Metrology is a pioneering force in optical sensor and measuring technology. With 25,000+ systems deployed, our 3D optical sensors are known for precision and adaptability to user needs. Explore our diverse product line for advanced 3D metrology, offering solutions like line, multipoint, and point sensors, area scan sensors, and 2D cameras.


**Flying Spot Scanner (FSS)
310**

Enovasense

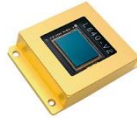
Dual point sensor 2 DPS

GHOPTO
**Booth
FP-17**

GuoHui OPTO-electronic (GHOPTO) is founded in 2011 with over 20 years of advanced research and development experience in the design, development, and commercialization of imaging technologies such as P-i-N, QWIP(Quantum Well Infrared Photodetectors), and other traditional Shortwave IR, Mediumwave IR, and Longwave IR imaging cores. This is in addition to an expanding new portfolio of emerging research and development into APD, T2SL, QCD, and CQD imaging capabilities.

[Main Product]

We provide linear and focal plane arrays and extended wavelength ingaas linear image sensor and cameras. The applications of this China infrared sensor and China infrared camera include security, surveillance, scientific, spectral imaging, machine vision, line-scan inspection, laser beam profiling, and process monitoring. Specialized in Indium Gallium Arsenide (InGaAs technology) imaging technology, GHOPTO manufactured a wide range of high-quality shortwave infrared (SWIR) cameras covering the spectrum from 900nm-1700nm or 400nm-1700nm.


SWIR CAMERAS

**SWIR INGAAS LINEAR IMAGE
SENSORS**
Zhejiang Tuogan Technology Co., Ltd.
**Booth
EL-17**

Zhejiang Tuogan Technology Co., Ltd. is a high-tech enterprise specializing in the research, development, manufacturing, and sales of next-generation Type-II superlattice (T2SL) cooled infrared detectors. Compared to traditional technologies like mercury cadmium telluride and indium antimonide, the new generation of T2SL cooled infrared detectors has unique advantages in high-temperature, mid-wavelength, long-wavelength, very-long-wavelength, and dual-color cooled detectors.

[Main Product]

We provide infrared detector and cryogenic-cooler (IDDCA), meanwhile we offer customizable wavelengths, options for various interfaces, cooling systems, and F-numbers etc. specifications on demand.


**long-wave cryogenic-cooled
detector 6515L**

Cryogenic Cooler TG-CI05

**mid-wave cryogenic-cooled
detector 6515M**

Jiangsu CAIDAO Precision Instruments CO., LTD



Booth
FR-25

Jiangsu Caidao Precision Instrument Co., Ltd. was established in 2016 in the country-level High Development Area (HDA) of Kunshan. Caidao has become a national high-tech enterprise, specializing in the research and development, production, and sales of high-end optical image measurement instruments, Coordinate Measuring Machines (CMM), and Automatic Optical Inspection (AOI) equipment.

[Main Product]

Jiangsu Caidao Precision Instrument focus on precision microscopy and inspection. Our main products are AOI, Vision Measurement, AFM, and automation, improving accuracy and efficiency in industry.



Atomic Force Microscopes

POLYTEC SOUTH-EAST ASIA PTE LTD



Booth
EF-09

Since 1967, Polytec has evolved into a global high-tech company, specializing in innovative non-contact measurement systems. Polytec's laser vibrometers set the gold standard for non-contact vibration measurement, serving diverse applications in research, development, and production. Our technology excels in analyzing samples, from car bodies to micron-sized components. Polytec's TopMap 3D surface metrology offers non-contact optical inspection tools, ensuring functionality, early defect detection, and enhanced product quality in controls laboratories and in-line production.

[Main Product]

Non-contact single point and scanning laser vibrometers, Non-contact 3D surface profilometry. Our technology excels in analyzing samples, from marco to micro components.



Micro.View+ Compact: TMS-
2400+ Compact

FirePower Technology (Shenzhen) Co., Ltd.
**Booth
FP-28**

Founded in 2013 and registered in Nanshan High-tech Park, Shenzhen, FirePower Technology (Shenzhen) Co., Ltd. is a high-tech enterprise specializing in the research and development and production of inertial navigation products, satellite navigation products and flight simulation equipment. The company has invested in several automated production lines, which are distributed in Xi'an, Shenzhen and Zhuhai.

[Main Product]

Quartz flexibility Accelerometer MEMS Inertial Measurement Unit MEMS Inertial Navigation System FOG Fiber Optic Gyroscope FOG Inertial Navigation System North Finder Turntable.



**Quartz Flexibility
Accelerometer ACC-3**



**Micro-nano fiber optic
gyroscope MFOG-24A**



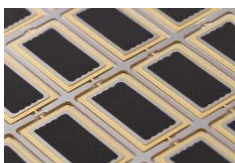
**High Precision Integrated
Navigation System INS100**

**SAES Getters S.P.A / SAES Getters S.P.A.
Taiwan Branch**
**Booth
EG-25**

SAES In more than 70 years of activity, SAES getter solutions have been supporting innovation in the information display and lamp industries, in ultra high vacuum systems and in vacuum thermal insulation, in technologies spanning from large vacuum power tubes to miniaturized silicon-based microelectronics and micromechanical devices. SAES has also developed a new platform of getter lids for hermetic and semi-hermetic device packaging, to sorb moisture, H₂ and VOCs. These can be integrated in many optoelectronics, microelectronics, photonics packages, to ensure long-term stability.

[Main Product]

SAES ZeDry formulations are high capacity, solventless, thermally curable getters for moisture, hydrogen and VOCs deposited on a variety of metal lids, for hermetically sealed devices. While effective semi-hermetic sealing is achieved with SAES dispensable dryers based on getter composites, plus the very low WVTR and getter functions of SAES active barriers, for rigid and flexible encapsulation.



•ZeDry getter Lids



eDry/S



Page Film