Focus on Optoelectronics technologies & applications in Defense & Security

As intelligent security develops, surveillance lens, IR thermal imager play the key role in the security industry. As a professional exhibition covering the whole industry chain of optoelectronics, CIOE will provide core components and manufacturing equipment for security, aviation and aerospace, ocean and shipping, firefighting companies, etc.

Exhibit Profile

Optical lens and camera module, 3D sensing, infrared thermal imager, THz monitoring, LiDAR, imaging sensor, ultra-violet technology, optical communication equipment, lasers, machine vision system and application, laser specialty application, data center, military and civil application, etc.

Visitor Profile

Security access control / video surveillance/anti-theft alarm manufacturer, security system integrator, aviation and aerospace, defense and military, ocean and shipping, firefighting, etc.

Key Exhibitors

*Part of exhibitors, in no particular order.

CIOE Six-in-One Sub-expos
IRay Technology Co., Ltd

1B11

Handheld thermal imaging camera with dual light fusion

This product has a dual-channel image sensor: a high-definition thermal imaging channel and a star-level low light channel, multi-mode image perfect integration, intelligent identification of targets, but also specially designed for the harsh environment, resistance to salt spray, humidity, sand and dust.

RAYBEAM OPTRONICS CO., LIMITED

1E75, 1E76

Ultra long range cooled thermal imaging cameras

Ultra long range high performance law enforcement thermal infrared camera, is a high resolution thermal camera continuous zoom. It uses a high-sensitivity, third-generation, cooled detector, ideal for night vision, intelligence, surveillance, and detection. It can be installed in fixed or mobile vehicles for remote monitoring.

COIR Technology (Dalian) Co., Ltd

1A01

Thermal imaging cameras with dual panes

CR-PD long telephoto series thermal imaging camera equipment 90mm/25-100mm/25-125mm focal length 640*512 or 336*256 pixels infrared camera, with low temperature, high temperature, high humidity performance, able to work under harsh climatic conditions, thermal imaging cameras using Ethernet connection can be independently addressed or formed into a monitoring network, through which the infrared images and monitoring data can be transmitted in real time to an information center or workstation. Applications in forest fire prevention, coastal defense, power inspection, fire fighting and disaster rescue, highway and other key fields.

Zhejiang ULIRVISION Technology Co., Ltd

1C11

Thermal imaging camera

TI600S is the fourth generation of thermal imaging cameras, concentrating technical research and technological breakthrough of ULIRVISION over the past five years, using 640x480 high pixel amorphous silicon thermal detector, 50Hz frame frequency, perfect image quality, to meet the strict requirements of research institutions for high-end thermal imagers.
G60 adopts dual-spectrum automatic fusion positioning technology to combine image acquisition, data processing and fault diagnosis as a whole, not only can be used as a terminal inspection instrument, but also can build an intelligent inspection system for industrial site based on digital on-site templates and intelligent target recognition technology. Widely used in electricity and power equipment operation and maintenance of high-speed rail, subway vehicles/stations or other industrial sites.

NORTH NIGHT-VISION SCIENCE & TECHNOLOGY GROUP CO.,LTD

HJK-2CW thermal imaging camera/visible light monitoring system adds the function of detecting the temperature of the target object, which can reflect the temperature of the center point and the highest temperature point in the screen in real time, especially suitable for the safety monitoring of power transmission equipment, power plants and substations.

Beijing dongyu hongda technology co.,ltd

The dual field-of-view circular thermal imager is a built-in anti-spinning structure specially developed for infrared search and tracking (IRST) system applications. Complete machine. It is small, lightweight, high sensitivity and suitable for various search and tracking system applications.

Specs are as follows 1. detector: 640×512, F4.0; 2. optical field of view angle of 6.9°×5.5°~1.4°×1.8 degrees; 3. thermal image output frame rate of 50Hz/100Hz, can work internal and external synchronous mode; 4. non-uniformity less than 3‰ after image correction; 5. power consumption <30w, weight 5.4kg
<table>
<thead>
<tr>
<th>Company Name</th>
<th>Booth Number</th>
<th>Technology Description</th>
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<tbody>
<tr>
<td>Guangzhou Keii Electro Optics Technology Co., Ltd.</td>
<td>1A12</td>
<td>The highly integrated LIDAR components are deeply integrated with the UAV’s flight control system, which is lightweight, convenient and easy to use, as well as a complete electrical inspection system and relatively low cost of flight.</td>
</tr>
<tr>
<td>Xian Tellhow IR-tech Co., Ltd.</td>
<td>1E36</td>
<td>The miniaturized pods are equipped with high-resolution visible light cameras, uncooled infrared cameras, human-eye safety laser rangefinders, etc. for stability and accuracy. The size of the pod is only Ø180 x 260mm and the weight is less than 3.6kg, which is conducive for carrying. The platform achieves long flight times.</td>
</tr>
<tr>
<td>Luoyang Institute of Electro-optical Equipment Of AVIC</td>
<td>1A31</td>
<td>The &quot;eye of the dragon&quot; series have now formed a series of electro-optical pods with diameter ranging from Ø140mm to Ø600mm. Small size, light weight, high performance, flexible sensor configuration, easy to operate and use, and strong environmental adaptation. It can equip various types of helicopters, drones, transport aircraft, ships and ground vehicles for target search, tracking, targeting, ranging and positioning, target investigation photography, laser illumination, pilot aided navigation, marine pollution observation, oil field monitoring, ground rescue, geomorphological mapping, border patrol, forest fire prevention, police aviation and evidence collection.</td>
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</table>
The system utilizes both cooled and uncooled thermal imaging cameras for real-time perimeter alarm, full passive detection, with wide area and multi-target simultaneous detection and warning capabilities. It is an important complement to the electronic radar air defense system. It can be used mainly in the field of critical area defense, mobile target search and so on. It is mainly deployed in public places like airports, ports, prisons, military bases and others for panoramic monitoring high threatening targets such as drones, helicopters, moving vehicles, personnel, etc.

Exhibition Area: Infrared Applications Expo

With high-grade explosion-proof certification, suitable for a variety of harsh and high-risk places supporting intrusion detection, cross-border detection, motion detection and other intelligent detection with timing capture and event capture function. Made of 304 stainless steel, it can be used in highly corrosive environments. Its transparent cover using polycarbonate compound aviation materials undertakes hardened anti-fog treatment for sufficient strength and excellent corrosion resistance. Explosion-proof, waterproof, dustproof design, can be installed indoor and outdoor for all-weather use.

Thermal network camera + 3.0M 30x HD-visible dual-vision network integration fast camera Camera: Visible 2048(H)×1536(V), 30x HD optical zoom. Horizontal 360° continuous rotation, positioning accuracy up to ± 0.1 ° All-weather environment design, shock resistance, anti-corrosion, protection level up to IP66 with wiper. Double housing design for easy maintenance, very light and made of high strength aluminum alloy die-cutting material.
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<tr>
<th>Company Name</th>
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<tbody>
<tr>
<td>Sunny Optical Technology (Group) Ltd.</td>
<td>7B56</td>
<td>FF Lens</td>
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<td></td>
<td></td>
<td>Sunny has a variety of fixed-focus security lenses with high resolution and large aperture as the main features, which are widely used in professional security, civil security, smart home and other fields.</td>
</tr>
<tr>
<td>Phenix Optics Corporation Limited</td>
<td>7B36</td>
<td>Security camera module</td>
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<tr>
<td></td>
<td></td>
<td>Based on the development and creation of various types of optical lenses, Phenix Optics has extended its optoelectronic products to the entire module product ecosystem, widely used in digital, security, automotive, industrial production, medical and other fields.</td>
</tr>
<tr>
<td>XIAMEN CLOUDTOP TECHNOLOGIES CO., LTD</td>
<td>7B82</td>
<td>Camera Modules</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Product Specifications:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1. Image size: 1/3&quot; 4 million pixels OV4689.</td>
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<tr>
<td></td>
<td></td>
<td>2. Lens: lens M12*0.5 (replaceable).</td>
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<td></td>
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<td>4. Size: 38mm*38mm;</td>
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<tr>
<td>SHENZHEN CHUANG XIN SHI XUN TECHNOLOGY, LTD</td>
<td>7E81</td>
<td>Binocular camera module</td>
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<td></td>
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<td>1/2.7&quot; AR0230 CMOS, supported resolutions: 1920*1080(MAX), 200 megapixels; output image format: YUY2, MJGP; signal-to-noise ratio greater than 41dB; wide dynamic range: 96dB. Wide dynamic, low light backlighting works well, standard version 38 x 25.</td>
</tr>
</tbody>
</table>
JERICORE TECHNOLOGIES CO., LTD

The Safence™ range of products is a zone-controlled intruder alarm system. They are modularized and can be used as stand-alone systems or as multi-module networks. The range of protection for each zone is determined by site conditions and alarm parameters can be set for each zone. The system uses advanced signal processing technology and intelligent algorithms to eliminate false alarms caused by environmental factors. The system is designed to protect against intrusions such as small animals, wind, rain and other non-intrusive events. It works in conjunction with regular video surveillance to capture and alert the intrusion scene in real time for intelligent security.

Sun Creative (Zhejiang) Technologies Inc.

1. Built-in video compression coding, easy network transmission 2. Intelligent high-temperature warning function, adjustable multi-stage threshold, efficient detection 3. Full-screen temperature measurement function 4. AGG automatic gain adjustment, 3D noise reduction, IDE enhanced 5. With excellent temperature measurement stability, ready to use

Beijing Huayuanhao Photoelectric technology Co., LTD

Original imported thermal imaging camera, to meet the normal gaze line observation, but also has a custom industrialized temperature measurement function. Thermal imaging and visible light display at the same time, video snapshot storage, a variety of pseudo-color; real-time labeling of the screen point, line, area temperature; SDK is available for development.

ZHEJIANG RAYSON OPTIC INFRARED TECHNOLOGY CO., LTD

The R100 Series provides customizable automatic gain control and image adjustment. Enhanced detail, auto-adaptive dynamic range filter to suit any type of application requirement. The R100 range of movement components can be adapted to any type of system, with a wide range of options to compatible with lots of optical systems. Compact modular hyperspectral core for small platform integration, control and processing unit for data logging and real-time processing (chemical detection) identification and quantification.
GLOBAL SENSOR TECHNOLOGY, LTD  
**1A32**  
1280*1024@12μm Uncooled IR Detector  
Megapixel HD VOx Uncooled Infrared Detector  
Resolution: 1280*1024 Pixel Pitch: 12μm. This product is used in infrared products, marine/ship, fire/police, security/defense, surveillance equipment and systems.

AVIC  
**1D100, 1D101**  
Infrared medium wave 640 × 512 gaze focal plane detector  
Mid-wave infrared 610 × 512 focal plane detector with stirling chiller for fast start-up, high stability and clear imaging. The detector uses photovoltaic indium antimonide as an infrared sensitive component, which forms a hybrid structure with silicon processing circuit and operates in snapshot integration mode. It features high frame rate, small size, high sensitivity and low noise.

Jinlin, Chengdu Science and Technology Co., Ltd  
**1D32**  
ASIC for infrared image processing  
The JL7603B is a dedicated processing chip for uncooled thermal imaging processing and control, providing flexible algorithm parameter adjustment and system configuration to meet the needs of various application scenarios and providing a complete low-power, high-performance integrated movement solution for thermal imaging systems.

Wuhan Silicon Integrated Co., Ltd.  
**1A51**  
3D optical and smart audio chips  
The intelligent audio amplifier has been recognized by mainstream mobile phone manufacturers, while the Time-of-Flight sensor for 3D imaging adopts the world’s leading BSI technology with high precision, small pixel size, high resolution, low power consumption and full integration, which breaks the monopoly of international manufacturers in Europe and America and can be widely used in artificial intelligence, face recognition, autonomous driving, AR/VR, 3D modeling, motion capture, machine vision and have bright business markets in mobile phone, security & defense, automotive, etc.
Harbin Xinguang photoelectric technology Co., Ltd. 1A15 Infrared imaging target simulator

The infrared field target simulator consists of a dynamic infrared scene generator, a real-time infrared image generation and injection system, a real-time network communication interface, a control software (MB generation, microscope drive, communication interface, synchronization processing module, etc.) and the cabinet. The system can be placed on a five-axis turntable. Through the rapid replacement of lens to achieve multiple fields of view, switching between pupil distance and pupil diameter so as to solve problems regarding multiple fields of view, small numerical aperture, modular optical design and to realize the dynamic IR radiation characteristics of the target or background.

HealthyPhoton(Ningbo) Technology Co., Ltd 2B73 Front amplified cooled mercury cadmium telluride infrared detector

The MCT infrared detector is a highly sensitive photonic detector made of HgCdTe (mercury cadmium telluride, MCT) material and is most sensitive to light waves in the mid-infrared spectral band from 2 to 12μm. The detector can be a DC or AC coupled output. Highly integrated with a preamplification circuit, a thermoelectric cooler (TEC) controller, it keeps the component temperature at -40°C via the responding circuit, so as to minimize the effect of thermal noise on the output signal. Its aluminum alloy housing shields it from ambient electromagnetic interference and good heat dissipation.

Shanghai JuYou Smart Intelligence Technology Co., Ltd 2D41 3D ToF Imaging Module

Opnous provides a series of ToF imaging modules fitting for a broad range of 3D sensing applications. These 3D sensing modules are realized upon 850nm and 940nm NIR wave length with an industry leading accuracy. The power consumption achieves the lowest power level in the industry, which benefits many portable and energy saving applications.

Ningbo RaySea Technology Co., Ltd 2E15, 2E16 Floodlight/VCSEL Projector Module

In addition to VCSEL chip products, RaySea provides different power, field of view angle and module size of flood light/ToF module products according to different applications of customers, and can customize eye safety protection mechanism according to customer needs. Module products FOV including 60x45, 72x55, 86x68, 110x90, etc., module size including 3.2x2.2x1.2, 3.5x3.2x1.3, 3.5x3.5x2.0, and 3.5 x3.5x1.6, etc. Applicable fields: face recognition, gesture recognition, drones, sweeping robots, fatigue detection, security cameras.
As an effective long-range sensing technology, LIDAR has been widely used in many fields, such as terrestrial vegetation monitoring, atmospheric laser, Earth’s climate and marine environment monitoring. LIDAR is capable of high accuracy, high resolution and high spatial resolution remote sensing on base stations, automobiles, submarines and spacecraft. Product Performance: Reliable rotational light performance, optional accessories, easy installation and maintenance, customized products. CNI provides related Lasers: 355nm lasers, 532nm lasers, 1064nm lasers, 1319nm lasers, 1573nm lasers.

The FP-PI Faber cavity industrial pressure sensor is based on the Fabry-Perot interference principle. The fiber optic pressure sensor has the advantages of freedom from electromagnetic interference, small size, reliable measurement in harsh environments, high precision and corrosion resistance, etc. Mainly used in high temperature and high pressure (petroleum and defense) and in harsh and dangerous environments.

Autofocus Industrial Camera C Series, Large Field of View Digital Microscope M Series, Microscope with Unique Optomechanical Integration Design A Series are among the first in the world and popular with customers. Our products are widely used in high-end image detection, automation, biomedical, scientific, security monitoring, HD video conferencing, unmanned aerial shooting, education, visually impaired aids, etc.

Industrial lenses and machine vision lenses designed and assembled by CRYLIGHT, with high pixel: 500W to 2000W pixels. Low distortion: within 0.1%; large image plane, up to 4/3” compatible. Can be used in consumer, industrial, manufacturing, aerospace, defense and other fields. Dedicated lens customization service to meet the exclusive needs of all types of customers.
### Changchun Great Expectations Optics Co., Ltd

**5A06**

To meet the practical needs of investigators for day and night case handling, evidence collection, portability, mobility and flexibility, it integrates the ESS laser night vision technology, ultra-high-definition digital imaging technology, high-capacity storage and long-distance transmission, etc. The product is nice, portable, easy to operate, clear day and night imaging, and strong anti-interference ability. It can realize covert squatting, mobile investigation, fast locking, covert filming, clear evidence collection day and night, efficient and safe case handling, etc.

#### Cameras/lenses/handheld night-vision devices

**Panorama Series HK-6020**

VR panoramic imaging series: VR panoramic imaging lens, Back-to-back panoramic lens, this product can be applied to aviation/aerospace, monitoring equipment and systems, infrared products, security/defense and other fields.

### DONGGUAN JIUZHOU OPTICAL CO., LTD

**7B75**

VR panoramic imaging series: VR panoramic imaging lens, Back-to-back panoramic lens, this product can be applied to aviation/aerospace, monitoring equipment and systems, infrared products, security/defense and other fields.

### Sanhe Lenstech optoelectronic Science & Technology Co., Ltd

**1E21**

MWIR Uncooled Continuous Zoom Lens

**BLST 30/1.4-90/1.4**
- Focal Length: 30mm ~ 100mm
- 90mm Aperture/F#: 1.4
- Horizontal Field of View 32.4° ~ 11°
- Vertical Field of View 24.6° ~ 8.3°
- Focus Mechanism: Manual Spectral Range: 8 ~ 12μ
- Detector: 1024x768.

### KUNMING VISION INFRARED CO., LTD.

**1D15**

15-120 continuous zoom lens, 8x zoom ratio, small size, large zoom ratio, clear image, used in border and coastal defense, forest fire prevention and other fields.
<table>
<thead>
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<tbody>
<tr>
<td>Xiamen Leading Optics Co., Ltd.</td>
<td>7B11</td>
<td>Low distortion Lenses</td>
<td>1. Low distortion small lens is widely used in facial recognition, iris recognition, bar code scanning, 3D tracking, robot navigation, industrial detection, classification, and other applications; 2. Image size covers 1/7.5 to 1/1.8&quot;, resolution support 2-10 MP; 3. High sharpness and low distortion (&lt;3%); 4. compact size for integration.</td>
</tr>
<tr>
<td>Foctek Photonics, Inc.</td>
<td>7A47</td>
<td>Infrared lens</td>
<td>1. Widely used in security monitoring, forest fire prevention, power inspection, medical screening, quality inspection, traffic safety, etc. 2. Infrared lens as an important part of the infrared thermal imaging system, using germanium, zinc selenide, sulfur glass and other materials as the lens through the Infrared.</td>
</tr>
<tr>
<td>STAR OPTICAL (SZ) CO., LTD</td>
<td>7A28</td>
<td>Optical Lens</td>
<td>The company mainly produces fixed-focus lenses, which are mainly used in network surveillance cameras, facial recognition, sports DV, high camera, hunting cameras, law enforcement recorders, video doorbell, robots and other special customization.</td>
</tr>
<tr>
<td>SHENZHEN TRACE OPTICAL CO., LTD</td>
<td>7A87</td>
<td>Optical lens</td>
<td>The product field mainly covers: car lenses, car recorder lenses, security surveillance lenses, sports DV lenses, VR panoramic lenses, UAV lenses and all kinds of special field lenses. The company has an experienced R&amp;D team, always focusing on the field of wide-angle optical lenses. The company currently produces 18 million lenses per year and provides complete service from design, sample, trial production, mass production to sales.</td>
</tr>
</tbody>
</table>
Yangtze Optical Fibre and Cable Joint Stock Limited Company

**Specialty Fiber Optical Cable**

Specialty fiber optical cable is specially designed and developed for different applications such as optical devices, lasers, industrial power, fiber optic sensor, aerospace, astronomy observation, ocean exploration, etc. The products have excellent performance and reliability, and can meet the different needs of customers to the fullest extent.

Hengtong Optic-Electric Co., Ltd

**Undersea observation system solutions**

Long-term undersea observation systems are in urgent demand for marine and earth system scientific research, as well as the basic technology and information access for marine economic development, environmental protection, rights maintenance, disaster warning, science, technology and innovation. It can powerfully serve socio-economic development and national security, and has an important role in building a strong maritime nation. It is the third Earth observation platform established by mankind, based on the needs of social development and national defence. It is currently on the same level of technology at home and abroad.

Shenzhen SDG Information Co., Ltd

**Single mode fiber G.652B**

SDGI single-mode fibers are available in all configurations of fiber optical cable products, such as loose tube, jacket, ribbon and center bundle, and are compatible in use with fibers produced by other processes, and are widely used in high speed, long distance transmission for networks such as long haul communications, backbone, cable TV and loop feeders.

Jiangsu Etern Company Limited

**Aerospace Cable Series**

Product Description
Rated temperature: -65~260°C
Rated voltage: 600V
FL Intelligence

FL Intelligence is a high-tech company that focuses on the deep application of artificial intelligence technology in the field of industrial automation monitoring. Algorithms such as vision, deep learning and neurons provide big data acquisition, processing and application analysis, as well as solutions for automated control, informationization and operation and maintenance. Provide autonomous driving intelligent control module, communication data chain core module, environment sensing navigation and positioning module (fusion of LIDAR, millimeter wave radar and vision) and all kinds of detection sensor modules; provide professional industrial UAVs, walking robots, suspended robotics and various types of industrial automation monitoring equipment.

BEIJING UTOP-SINO CO., LTD

CJ’s METS system consists of a reflective parallel beam, an infrared or visible standard source, a motorized fiducial wheel and automatic test software. It provides fast, reliable, repeatable and objective test results. METS systems are easy to operate and can be used for partial or full IR, visible, laser and optical axis parallelism based on the customer’s needs. The METS is suitable for testing products in both laboratory and production line environments, whose advanced design guarantees accuracy over a wide temperature range.

Chotest Technology Inc.

The VT6000 confocal microscope is an instrument for nanoscale measurement of precision devices and material surfaces. Applications in ultra-precision processing industry for semiconductor manufacturing and packaging process testing, 3C electronic glass panels and their precision accessories, optical processing, manufacturing of micro-nano-materials, automotive parts and MEMS devices, as well as in aerospace, defense industry and research institutes. It is capable of measuring various surfaces from smooth to rough, low to high reflectance, and from nanometer to micron level workpieces. Flatness, micro-geometric contours, curvature, etc.

Agilebull Technology Co., Ltd

Mainly used in the optical lens industry such as security and automotive assembly production. The modular design of the machine can be assembled, pressed, hot-melt, glue dispensing, MTF inspection, laser marking and other modules can be freely combined to meet individual needs of the lens assembly. High assembly precision, fast speed, simple adjustment, stability and reliability.
The TruMark 3000 series offers everything you need for laser marking machine integration. You can choose between lasers for all common wavelengths (infrared, green and UV). Lasers are also distinguished by their high peak pulse power of 100 kW and high pulse-to-peak stability. TruMark The 3000 series thus covers a wide range of applications and materials. Very convenient: Despite the extremely compact design of the TruMark 3000 Series, its laser head is integrated with software controlled focus position adjustment device, guide laser and mechanical laser shutter.

Fiber laser marking machine is a new technology product that integrates fiber laser technology, computer control, mechanical and automatic control technology. The system using the fiber laser has a long service life, high reliability, maintenance-free host, can work for a long time, can most of the metal materials are processed. We have installed a special software for Windows platform. The user can operate the machine directly from the user interface, or edit the graphics with AutoCAD and other softwares to complete the marking.

1. Temperature feedback semiconductor laser welding system: temperature feedback function can control the welding temperature to detect on the tiny area of 1mm diameter. Temperature accuracy:10℃. 2. Multi-tasking position welding system: based on 8-axis high-precision multi-tasking position. 3. The solder paste mechanism can precisely control the amount of solder paste through the program. 4.Visual positioning system: Adopt the automatically capture to define a welding trajectory, which can collect different features on the same product. It can greatly improve the processing efficiency and precision. 5. Expandable inspection on failure after tin paste and welding.
Bruker (Beijing) Scientific Technology Co., Ltd. 5B18

Since its introduction in 2000, the Bruker TriboLab has been one of the most versatile and powerful friction and wear testers on the market. The new generation of UMT TriboLab provides users with the fastest, most versatile friction and wear testing machine available. More torque, better force measurement, and unparalleled flexibility. All the features in one machine. In a matter of minutes, you can go from rotary to reciprocating, from mN to kN force measurements, from sub-zero to ultra-high temperature test conditions. No other system on the market offers such a wide range of testing capabilities and years of application experience to support it.

Shenzhen Keepahead Ultrasonic Equipment Co., LTD 3D89

Product Model: KWD-160204SH
Product Function: 1. Applicable to panel glass, optical filter and other optical glass. 2. The ultrasonic adopts the generator with efficiency up to 95%, power 10-100% adjustable. 3. Using 40KHZ ultrasonic frequency, can match with 68KHZ, 132KHZ and other high frequency ultrasonic. 4. Using neutral detergent, DI water, ultrapure water slow pull, pure hot air drying. 5. With workpiece up and down throwing system, cleaning surface evenly, better effect. 6. Curved interval and saw-shaped overflow structure, perfect to use. 7. Independent high-efficiency filtration and circulation system. 8. Special chamber design ensures dewatering and drying effect.

Guangdong Huicheng Vacuum Technology Co., Ltd. 3B79

Coating area Φ1550 x 1810mm, Wavelength 300nm~1100nm, Be applied to AR, UV/IR Cutoff filter, AF, Enhanced Reflection Coating, Decorative Coating, Band Pass Filter, RGB Filter, Photocatalyst, HR Coating, etc. Customized design is possible.

Dongguan Huichi vacuum Manufacturing Co., Ltd. 3D56

The optical coating machine of this product is suitable for coating a variety of optical films. Such as telescope, glasses, car dashboard, tablet computer, optical lens, cold light cup, etc.
New Venue, New Venture

CIOE will start its new journey at Shenzhen World Exhibition and Convention Center with larger exhibition area and better facilities. Plan your visit with your traffic guide and check out where will be your closest spot to get on our shuttle bus.

During non-exhibition period

CIOE has launched its official English WeChat account for delivering more industry news and marketing analysis for you to get to know China’s market better. Scan the QR code on the right or search CIOE Shenzhen in WeChat to follow.

CIOE 2020 Floor Plan

FLOOR PLAN

China International Optoelectronic Exposition (CIOE 2020)
September 9-11, 2020  Shenzhen, China