



INTELLIGENT LIGHT

POST SHOW REPORT



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2024年3月20-22日 MARCH 20-22, 2024

上海新国际博览中心 SHANGHAI NEW INTERNATIONAL EXPO CENTRE

慕尼黑上海光博会

LASER World of PHOTONICS CHINA





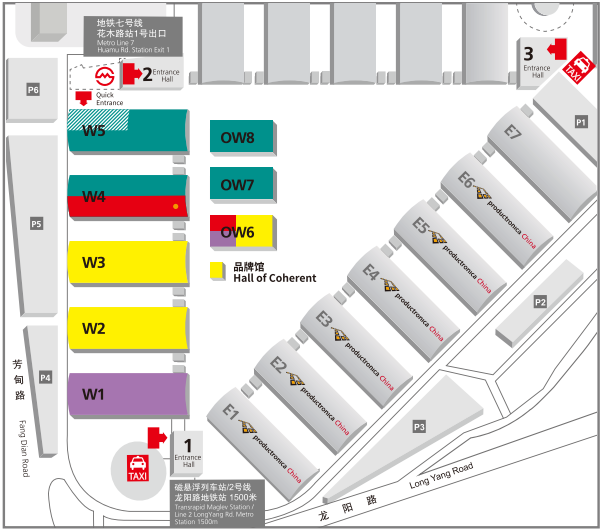
2024年3月20-22日，第十八届慕尼黑上海光博会在上海新国际博览中心圆满帷幕。为期三天的展会共计有近1,200家企业参展，总展出面积达80,000平方米，吸引了55,020名专业观众莅临现场共襄盛举。

本届展会以“科技领航，光耀未来”为主题，聚焦新技术、新趋势，携手国内外光电专业人士探索光电产业的未来发展方向，旨在助力传统行业、新兴行业创新发展。展会涵盖光电技术上下游产业链，布局更清晰，展品种类更精细。展会现场除了业内熟悉的光电企业，也迎来了许多首次参加慕尼黑上海光博会的参展企业，新老朋友济济一堂，争奇斗艳，共同展示他们独具匠心的科研成果及创新应用。

On March 20-22, 2024, the 18th LASER World of PHOTONICS CHINA lowered its curtains at Shanghai New International Expo Centre. Covering a total exhibition space of 80,000 square meters, the three-day exhibition attracted a total of nearly 1,200 exhibitors and 55,020 professional visitors.

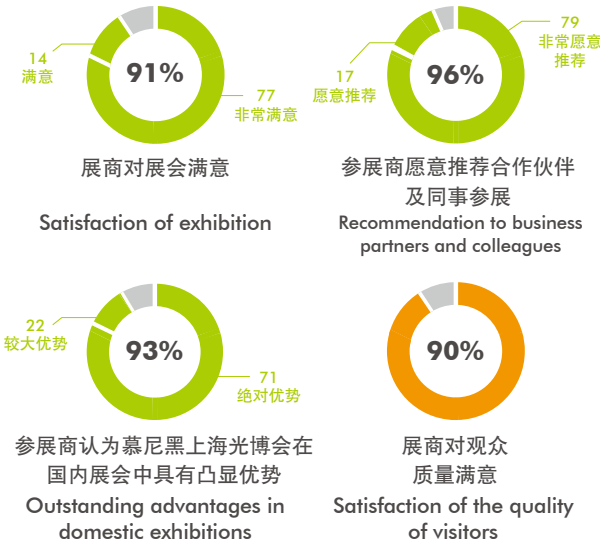
Under the theme of “Technology Leads the Way for a Brighter Future”, LASER World of PHOTONICS CHINA 2024 shed light on new technologies and trends, bringing together Chinese and foreign professionals in the optoelectronic industry to figure out the industry's future development paths. It aimed to support innovation and development in both traditional and emerging industries. Covering the entire optoelectronic technology industry chain, the exhibition had a clearer layout and exhibits under subdivided categories. In addition to well-known optoelectronic companies, the LASER World of PHOTONICS CHINA also welcomed many first-time exhibitors. They all showcased their unique scientific research outcomes and innovative applications.

2024展馆布局图 2024 HALL ASSIGNMENTS



W5	红外技术与应用 Infrared Technology and Application
W4/W5/OW7/OW8	光学与光学制造 Optics and Manufacturing Technology for Optics
W4/OW6	检测与质量控制 Optical Metrology and Quality Assurance
W2/W3/OW6	激光器与光电子 Laser and Optoelectronics
W1/OW6	激光智能制造 Lasers and Laser Systems for Production Engineering

2024展商满意度 EXHIBITOR SATISFACTION 2024



* 来源：2024展商调研问卷
Source: exhibitor survey report 2024

亮点回顾 HIGHLIGHTS

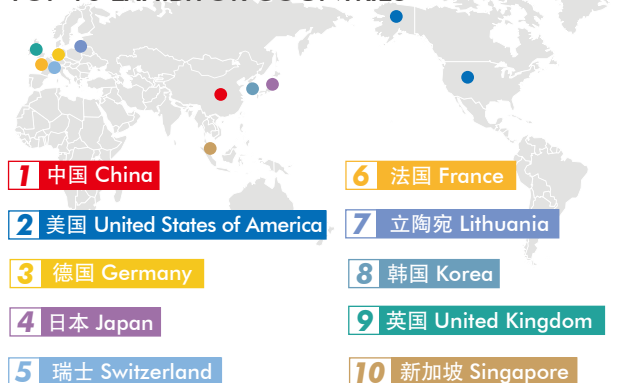
- ▶ **80,000**平方米展示面积
80,000 square meter
- ▶ 来自**24**个国家和地区的**近1,200**家展商
Nearly 1,200 exhibitors **24** countries and regions
- ▶ 来自**64**个国家和地区的**55,020**名专业观众
55,020 professional visitors from **64** countries and regions
- ▶ **94**个国内专业买家团
94 domestic buyer groups
- ▶ **96**场同期会议报告
96 reports of concurrent forums

展商分析 EXHIBITOR ANALYSIS

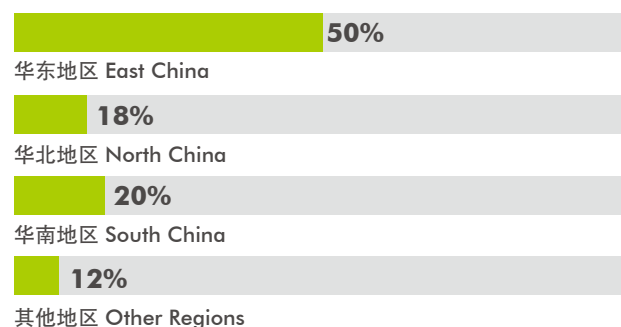
来自**24**个国家和地区的**近1,200**家展商，**20%**为新进展商。

NEARLY **1,200** EXHIBITORS FROM **24** COUNTRIES AND REGIONS, **20%** ARE NEW EXHIBITORS.

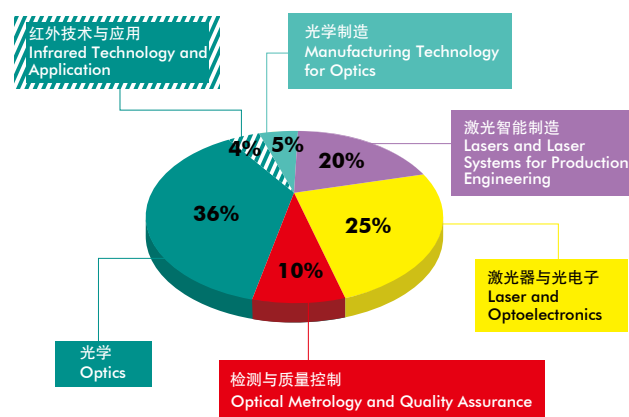
展商国家排名TOP10 TOP 10 EXHIBITOR COUNTRIES



中国展商地域分布 DISTRIBUTION OF DOMESTIC EXHIBITOR



展区类别占比：



部分参展企业名单 PART OF EXHIBITOR LIST

激光器、光电子及激光智能制造 LASER, OPTOELECTRONICS, LASERS AND LASER SYSTEMS FOR PRODUCTION ENGINEERING

* 上海柏楚电子科技股份有限公司 * 泰德激光 * Spectra-Physics — MKS Instruments * Novanta Technologies (Suzhou) Co., Ltd * IPG Photonics * TRUMPF (China) Co., Ltd.
* 武汉华工激光工程有限责任公司 * 深圳市麒麟激光应用科技有限公司 * 大族激光科技产业集团股份有限公司 * 苏州德龙激光股份有限公司 * 海天光机 * 海目星激光 * 上海嘉强自动化技术有限公司 * 武汉锐科光纤激光技术股份有限公司 * 中久大光 * 长光华芯 * 苏州英谷激光有限公司 * 度亘核芯光电技术(苏州)有限公司 * 深圳市创鑫激光股份有限公司 * 浙江热激光技术有限公司 * 上海飞博激光科技股份有限公司 * 深圳市晶格子光学科技有限公司 * 英诺激光 * 北京凯普林光电科技股份有限公司 * 深圳公大激光有限公司 * 深圳市杰普特光电股份有限公司
* 华日激光 * 杭州奥创光子技术有限公司 * 北京卓镭激光技术有限公司 * 腾景科技股份有限公司 * 波光光电……

光学与光学制造 (含红外技术与应用) OPTICS AND MANUFACTURING TECHNOLOGY FOR OPTICS (INFRARED TECHNOLOGY AND APPLICATION)

* 北京昊然伟业光电科技有限公司 * Zogo Corporation * AMETEK Precitech Inc. * 上海乾曜光学科技有限公司 * 上海昊量光电设备有限公司 * 光子硬科技展团 * 福建鑫图光电有限公司
* 北京欧普特科技有限公司 * 托托科技(苏州)有限公司 * 山东阳谷恒晶光电有限公司 * 永新光学 * 四川菲克科技有限公司 * 中国科学院上海光学精密机械研究所 * 福特新光电股份有限公司
* 福建海创光电技术股份有限公司 * 联合光科技(北京)有限公司 * 河南微米光学科技有限公司 * 安徽光智科技有限公司 * 艾睿光电 * 成都国泰真空设备有限公司 * 江阴市中兴光电实业有限公司 * 锡斌光电(江苏)有限公司/无锡市锡斌光电设备有限公司 * Thorlabs * 舜宇光学科技(集团)有限公司 * 北京首量科技股份有限公司 * 中国科学院长春光学精密机械与物理研究所 * 瑞霏光电 * 中智科仪(北京)科技有限公司 * MotionSmart Precision Technology Co.Ltd. * 北京海普瑞森超精密技术有限公司 * 江苏派莱特光电科技有限公司 * 北京卓立汉光仪器有限公司 * 哈尔滨慈明天科技有限公司 * 武汉高德智感科技有限公司 * 成都天一国泰真空设备有限公司 * 中材人工晶体研究院有限公司 * 福州百晶光电有限公司 * 长飞石英 * 晶萃光学……

检测和质量控制 OPTICAL METROLOGY AND QUALITY ASSURANCE

* Mitutoyo Measuring Instruments(Shanghai) Co., Ltd. * SENSOFAR-TECH, SL * Carl Zeiss (Shanghai) Co., Ltd.
* Hamamatsu Photonics (China) Co., Ltd. * KEYENCE (CHINA) CO., LTD. * Renishaw * Physik Instrumente (PI Shanghai) Co., Ltd. * Edmund Optics (Shenzhen) Co., Ltd. * 上海星庆 * 深圳市格灵精密视觉有限公司
* 深圳市中图仪器股份有限公司 * 贝尔金减振设备制造(昆山)有限公司 * 江苏西励科技有限公司
* 江苏集萃精创高端装备技术有限公司 * 深圳市麓邦技术有限公司……

* 企业排名不分先后
Companies are ranked in no particular order

科技领航，光耀未来
Technology Leads the Way for a Brighter Future



展商参展主要目的 THE MAIN PURPOSE OF EXHIBITORS PARTICIPATING



* 来源：2024展商调研问卷
Source: exhibitor survey report 2024

展商评价 EXHIBITOR COMMENTS

黄哲，通快（中国）有限公司，
激光技术CEO



从慕尼黑上海光博会第一届开始，我们每一届都有参加。我们觉得这是一个很好的激光界交流平台，让客户、供应商以及同行有深入的交流机会，可以相互学习借鉴，并且从宏观层面看到行业在市场上的发展趋势，为激光行业和市场的良性发展共同努力。我们认为，慕尼黑上海光博会在整个市场的推动方面起到越来越多、越来越深远的作用。

Zhe Huang, CEO of Laser Technology, TRUMPF

Since the first session of LASER World of PHOTONICS CHINA, we have been loyal participants. This exhibition serves as an excellent communication platform for the laser industry, facilitating profound exchanges among customers, suppliers, and peers. It offers insights into industry trends at a macro level, fostering collaboration for the industry's healthy growth. We believe LASER World of PHOTONICS CHINA is playing an increasingly significant role in advancing the market.

叶创波，大族激光科技产业集团股份有限公司，
集团品牌推广运营部部门负责人



慕尼黑上海光博会是我们公司最认可的在国内光电领域的行业盛会，我们每年都会参加。虽然展期非常紧凑，但我们可以看到现场观众的数量、现场接待的质量，甚至还有很多国际友商，我们都能看到效果，期待能有很好的收获和反馈。感谢这个平台，大族激光也会和慕尼黑上海光博会共同发展，一起迎接更好的未来。

Chuangbo Ye, Head of Brand Promotion and Operation Department, Han's Laser

LASER World of PHOTONICS CHINA is our most esteemed domestic industry event in the optoelectronics sector, and we participate every year. Despite the tight schedule, we've witnessed impressive on-site visitor numbers and quality services, as well as many international peers. We anticipate fruitful outcomes and eagerly look forward to future collaborations with LASER World of PHOTONICS CHINA for mutual growth.

刘宇凌，武汉锐科光纤激光技术股份有限公司，



市场总监

每年慕尼黑上海光博会都是我们重点关注的行业展会，今年是有史以来我们参展面积最大、投入最多的一次展会。无论是专业观众的数量还是质量都非常好。每天来我们展台的人也非常多，也非常热情，展会对我们的帮助非常大。希望未来继续和慕尼黑上海光博会深度合作，把我们的品牌和产品展示给大家。

Yuling Liu, Marketing Director, Wuhan Raycus Fiber Laser Technology Co., Ltd.

LASER World of PHOTONICS CHINA is an annual focal point for our industry. This year's exhibition boasts the largest floor area and size in our history. We've experienced a high caliber of professional visitors, both in quantity and quality. Everyday, our booth attracts enthusiastic customers, proving the exhibition's value to us. We aspire to deepen our collaboration with LASER World of PHOTONICS CHINA, showcasing our brands and products to a broader audience.

王建刚，华工激光，副总经理兼精密系统



事业群总经理

每年慕尼黑上海光博会都是同行交流的平台，也是我们与客户还有合作伙伴交流的平台，我认为非常好，希望展会一年比一年办得好。作为光电行业的国家队，我们也会一如既往地产品创新、技术创新、市场创新各个维度去推动整个行业的发展，为行业的价值创造贡献更大的力量。同时，我希望慕尼黑上海光博会能够在产业协同、高质量的创新平台搭建上有更多的组织和交流。

Jiangang Wang, Deputy General Manager and General Manager of the Precision System Business Group, HGLaser

LASER World of PHOTONICS CHINA serves as an invaluable platform for peer communication and interaction with customers and partners. I believe it will continue to grow. As a national leader in the optoelectronics industry, we are committed to driving industry development through product, technological, and market innovation, and contributing to industry value creation. I also hope to see increased collaboration and the establishment of high-quality innovation platforms at LASER World of PHOTONICS CHINA.

曾安，北京欧普特科技有限公司，



副总经理

我们连续参加慕尼黑上海光博会十多年了，我认为行业里比较优质的展会，今年观众尤其多，观众质量也比较高。希望在展品范围、细分上能有更多的突破。

An Zeng, Deputy General Manager, GOLDEN WAY SCIENTIFIC

We have participated in LASER World of PHOTONICS CHINA for over a decade and consider it a high-quality industry exhibition. This year, we've noticed a significant increase in both visitor numbers and their quality. We look forward to further expansion and specialization of exhibits in the future.

坂田幸宽，三丰精密量仪（上海）有限公司，



董事长兼总经理

看到此次慕尼黑上海光博会的盛况、观众的反馈以及整体高峰值的人流量，我们相信基板、镜头、半导体等行业的未来都将有更广阔的发展。三丰作为慕尼黑上海光博会的长期合作伙伴，我们也希望通过此次展会为客户提供更多新的产品，为各位客户的检查、测量等领域做出贡献。

Yukihiro Sakata, Chairman and General Manager, Mitutoyo Measuring Instruments (Shanghai) Co., Ltd.

Seeing the grandeur of the LASER World of PHOTONICS CHINA exhibition, along with the feedback from attendees and the overall surge in traffic, we anticipate broader development in industries such as substrates, lenses, semiconductors, and more. As long-standing partners of LASER World of PHOTONICS CHINA, Mitutoyo aims to introduce new products to customers through this platform, thereby contributing to advancements in inspection, measurement and related fields.

张腾，武汉高德感智科技有限公司，



产品总监

我觉得慕尼黑上海光博会非常好，整个展馆人流非常活跃。感谢行业友商的充分竞争让整个中国产业链、供应链得到了充分释放，让我们这样拥有从底层到顶层综合光电系统的厂商能够在中国找到完备的产业链配套，能够非常高效、快速地提供多维感知的系统性解决方案。

Teng Zhang, Product Director, Wuhan Guide SmarT Tech Co., Ltd

LASER World of PHOTONICS CHINA 2024 showcases active participation and bustling traffic throughout the exhibition hall. The intense competition among industry peers unleashes the full potential of China's industrial and supply chains. This enables comprehensive photonics system manufacturers like us to efficiently provide multidimensional perception solutions, supported by a complete industrial chain.

观众分析 VISITOR ANALYSIS

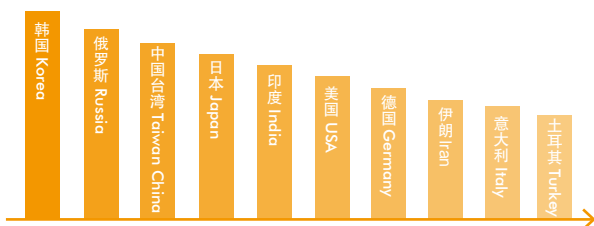
来自**64**个国家和地区中**55,020**名专业观众，**59%**为新观众。

55,020 PROFESSIONAL VISITORS FROM **64** COUNTRIES AND REGIONS, **59%** ARE NEW VISITORS.

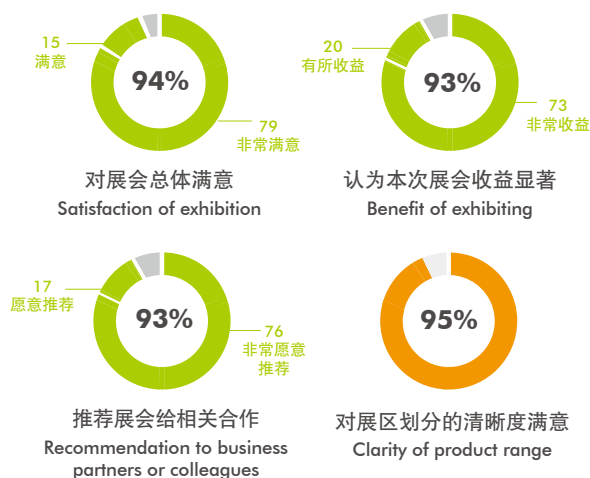
国内地域排名TOP10 TOP 10 DOMESTIC VISITOR REGIONS



港澳台和海外观众国家排名TOP10 TOP 10 VISITOR COUNTRIES FROM ABROAD

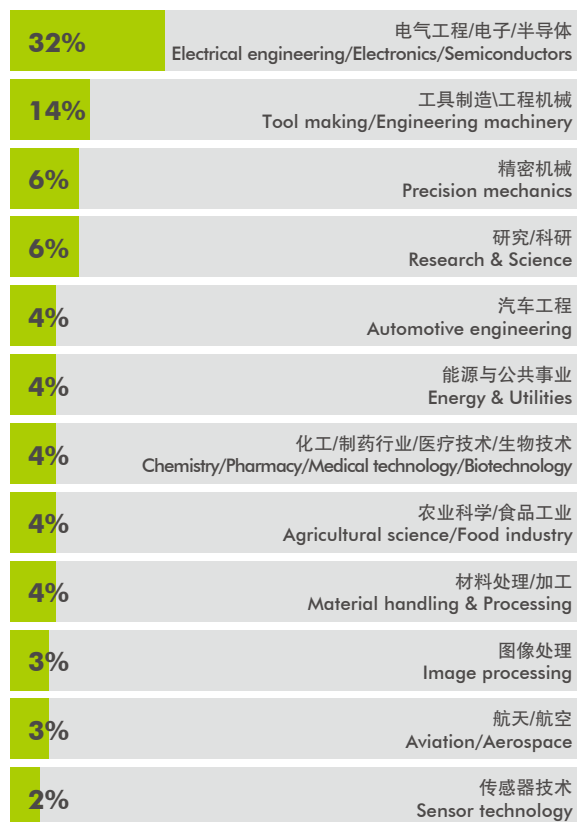


2024观众满意度 VISITOR SATISFACTION

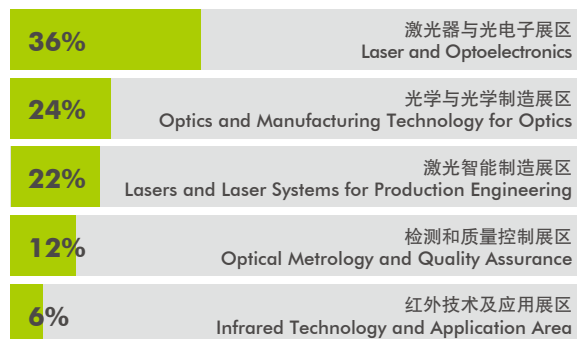


* 来源：2024观众调研问卷
Source: visitor survey report 2024

观众行业分布 VISITORS AREAS OF RESPONSIBILITY



观众感兴趣的展示范围 VISITOR'S INTEREST OF DISPLAY RANGE



科技领航，光耀未来
Technology Leads the Way for a Brighter Future



慕尼黑上海光博会 WELCOME TO LASER World of PHOTONICS CHINA

观众评价 VISITOR COMMENTS

贾升国，济南新天科技有限公司，采购部总监

本次参观慕尼黑上海光博会，主要是了解上游器件的整体发展情况和新技术，为我们的设备未来发展方向提供参考。以锐科为首的龙头企业的新产品对我们有所启发，包括一些焊接医疗方面的激光商的渗入对我们做设备集成都有很大的帮助。希望慕尼黑上海光博会越办越好，也希望参展商，包括下游的集成商都能在激光行业上受益。

Shengguo Jia, Director of Purchasing Department, Jinan Xintian Technology Co., Ltd.

Our visit to the LASER World of PHOTONICS CHINA aims to gain insights into upstream devices and new technologies, guiding our future equipment development. The unveiling of new products by leading companies, notably Raycus and other welding medical suppliers, inspires us and aids in our equipment integration efforts. We hope for further enhancements of the show to benefit all participants in the laser industry, including the downstream integrators.

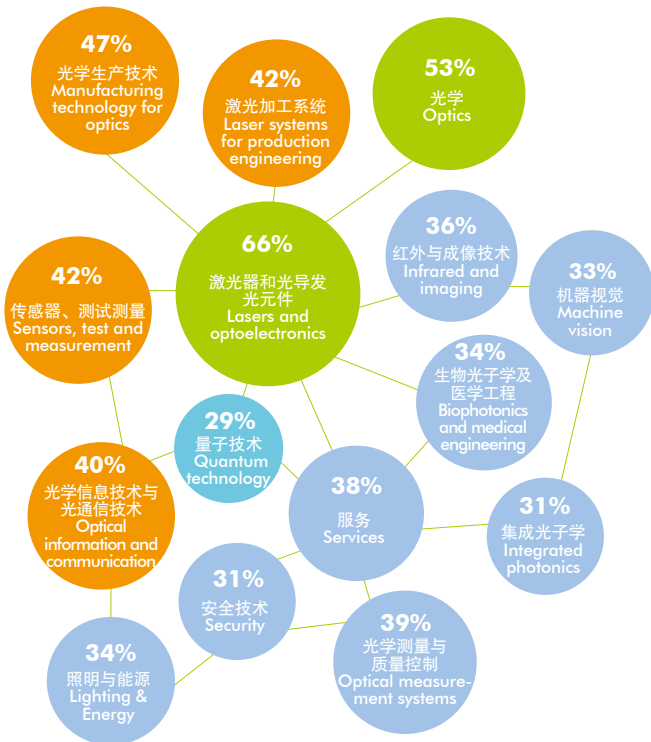
吴志波，上海天文台，研究员

本人从事激光测距方面的工作，这次观展体验很好，主办方对组团的老客户也很照顾，每年在慕尼黑上海光博会上都能看到创新技术以及可能采取的技术方案。这届展会办得很好，我们的基本目的都达到了，也看到了一些新工艺和产品，对我们技术上的提升很有帮助。可惜的是只有三天时间，展馆又多，逛得不够。

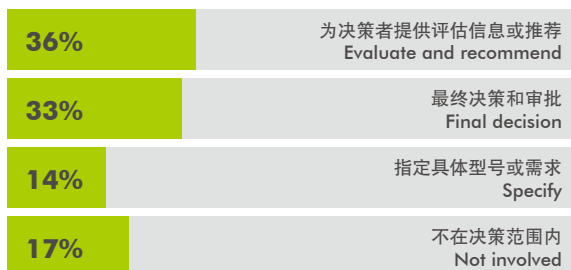
Zhibo Wu, Researcher, Shanghai Observatory

As a researcher involved in laser ranging, I had a rewarding experience at the LASER World of PHOTONICS CHINA. The organizers' attention to detail, particularly in catering to the needs of longstanding customers like us, is commendable. Each year, this exhibition unveils innovative technologies and potential technical solutions. This exhibition was exceptionally well-organized. We accomplished our fundamental objectives and gained insights into new processes and products, greatly aiding our technological advancement. It's regrettable that with only three days and numerous exhibition halls, there wasn't enough time to explore everything.

观众来展会寻找的产品及技术 PRODUCTS AND TECHNOLOGIES TO BE FOUND



观众采购决策力 PRODUCTS AND TECHNOLOGIES TO BE FOUND



* 来源：2024观众调研问卷
Source: visitor survey report 2024

部分优秀买家名单 Partial Excellent Buyers

锂电/新能源 Lithium Battery/New Energy

- 宁德时代
Contemporary Amperex Technology Co., Limited
- 比亚迪锂电
BYD Lithium BATTERY Co., Ltd.
- 苏州达牛新能源有限公司
Suzhou Daniu New Energy Co., Ltd.
- 弗迪电池
FinDreams Battery Co., Ltd.
- 亿纬锂电
EVE Energy Co., Ltd.
- 华为技术有限公司
Huawei Technologies Co., Ltd.
- 宜兰汽车配件有限公司
Yilan Auto Parts Co., Ltd.
- 欣旺达动力科技股份有限公司
Sunwoda Electric Vehicle Battery Co., Ltd.
- 天津光动新能源科技有限公司
Tianjin Guangdong New Energy Technology Co., Ltd.
- 苏州科威新能源有限公司
Suzhou Keyway New Energy Co., Ltd.

消费电子 Consumer Electronics

- 苹果
Apple Inc.
- 华为
Huawei Technologies Co., Ltd.
- 罗技科技（苏州）有限公司
Logitech Technology (Suzhou) Co., Ltd.
- 采安孚传动系统零部件公司
ZF Friedrichshafen AG
- OPPO
OPPO
- 京东方
BOE Technology Group Co., Ltd.
- 格力电器（杭州）有限公司
Gree (Hangzhou) Electric Appliances Co., Ltd.
- 松下电器有限公司
Panasonic Holdings Corporation
- 荣耀终端
Honor Terminal Co., Ltd.
- 德国帝尔电子
TR Electronic GmbH
- 联想上海信息技术有限公司
Lenovo (Shanghai) Information Technology Co., Ltd.

汽车工程 Automotive Engineering

- 博世汽车部件(苏州)有限公司
Bosch Automotive Products (Suzhou) Co., Ltd.
- TESLA
TESLA
- 联合汽车电子
United Automotive Electronic Systems Co., Ltd.
- 江苏奥易克斯汽车电子科技股份有限公司
Jiangsu Auto Electronic Control System Technology Co., Ltd.
- 上汽通用汽车
SAIC General Motors Corporation Limited
- 华晨宝马
BMW Brilliance Automobile Ltd.
- 亮道汽车
Beijing LiangDao Intelligent Automotive Technology Co., Ltd.
- 采埃孚汽车系统（上海）有限公司
ZF Automotive Systems (Shanghai) Co., Ltd.
- 江淮汽车
Anhui Jianghuai Automobile Group Co., Ltd.

电子/半导体 Electronics/Semiconductors

- 锡凡半导体
Xifan Semiconductor Wuxi Co., Ltd.
- 盛镡半导体（深圳）有限公司
Shengqi Semiconductor (Shenzhen) Co., Ltd.

- 苏州宇浩半导体材料科技有限公司
Suzhou Yuhao Semiconductor Materials Technology Co., Ltd.
- 歌尔股份有限公司
Goertek Inc.
- 上海华为技术有限公司
Shanghai Huawei Technology Co., Ltd.
- 连科半导体
Lianke Semiconductor Co., Ltd.
- 厦门本芯半导体科技有限公司
Xiamen Benxin Semiconductor Technology Co., Ltd.
- 天津久日半导体
Tianjin Jiuri Semiconductor Materials Co., Ltd.
- 南京中安半导体
Nanjing Zhong'an Semiconductor Equipment Co., Ltd.
- 北京中博芯半导体科技有限公司
Beijing SinoGaN Semiconductor Technology Co., Ltd.

化工/制药行业/医疗技术/生物技术 Chemical Industry/Pharmaceutical Industry/ Medical Technology/Biotechnology

- 智汇医药
Zhihui Pharmaceutical Co., Ltd.
- 微创医疗
MicroPort Scientific Corporation
- 上海思埃然医疗
Shanghai Siiran Medical Co., Ltd.
- 上海国研医疗器械检测中心有限公司
Shanghai Guoyan Medical Device Testing Center Co., Ltd.
- 波科医疗器械技术（上海）有限公司
BSC Medical Device Technology (Shanghai) Co., Ltd.
- 上海联影医疗科技股份有限公司
Shanghai United Imaging Healthcare Co., Ltd.
- 上海汇中医科技有限公司
Shanghai Huizhong Medical Technology Co., Ltd.
- 陶氏化学
Dow Chemical Company
- 帕拉森医药生物技术（上海）有限公司
Pharsun Pharmaceutical Biotechnology Shanghai Co., Ltd.
- 毕维泰克医疗器械有限公司
Bewei Taik Medical Device Co., Ltd.

研究/科研 Research/Scientific Research

- 华东师范大学
East China Normal University
- 复旦大学
Fudan University
- 国科大杭州高等研究院
Hangzhou Institute for Advanced Study, University of Chinese Academy of Sciences
- 东华大学
Donghua University
- 上海交通大学
Shanghai Jiao Tong University
- 中国科学院上海技术物理研究所
Shanghai Institute of Technical Physics, Chinese Academy of Sciences
- 同济大学
Tongji University
- 山东省科学院
Shandong Academy of Sciences
- 上海空间推进研究所
Shanghai Institute of Space Propulsion
- 中国船舶集团有限公司第七二四研究所
China State Shipbuilding Corporation, Limited (CSSC) 724th Research Institute

* 以上名单仅为部分，欲知更多请见官网

主题观展路线 VISITOR TOUR ACTIVITY

主题观展路线TOUR游活动 广受追捧，商机无限

Themed Exhibition Route Tour Activities: These activities are widely popular, with unlimited business opportunities provided

2024展会以充分发挥服务平台功能、整合上下游资源为导向、加强供需对接为导向，向展商与专业观众发起了“主题观展路线TOUR游活动”，精心打造以光学技术、激光技术、新产品为背景的三条主题路线，满足来自不同行业背景观众的采购需求、发觉更多创新的技术成果、探索无限商机。

LASER World of PHOTONICS CHINA has always been oriented to give full play to the function of a service platform, integrate upstream and downstream resources, and strengthen supply-demand matchmaking. LASER World of PHOTONICS CHINA 2024 launched the "Themed Exhibition Route Tour Activities" for exhibitors and professional visitor, carefully creating three theme routes with optics technology, laser technology and new products as the background to meet the procurement needs of visitors from different industries and help them discover more innovative technological achievements and explore unlimited business opportunities.

TOUR游活动欢迎程度排名 POPULARITY RANKING OF TOUR ACTIVITIES

TOP1

“创芯制造、光耀未来”
——光芯片助力半导体产业高质量发展
“Innovative Chip Manufacturing for a Brighter Future”
——Optical Technology Supports High-Quality Development Tour

TOP2

“以智降碳，智胜未来”
——高效激光点亮绿色发展
“Intelligent Carbon Reduction for a Smart Future”
——Laser Manufacturing for Green Development Tour

TOP3

“推陈出新，拥抱未来”
——新品追光之旅
“Bringing forth New Ideas and Embracing the Future”
——New Products Theme Tour

科技领航，光耀未来
Technology Leads the Way for a Brighter Future

上海光博
LASER PHOTONICS

光学技术大会

PHOTONICS CONGRESS CHINA



光学技术大会PHOTONICS CONGRESS CHINA与慕尼黑上海光博会同期举办。12大会议主题包含计算光学成像技术、超构光学表面技术、半导体光学技术、激光技术、先进激光器、红外探测技术、光学检测等最新科技研发成果和进展，同时大会将聚焦半导体、新能源、汽车工程、人工智能、生物医疗等应用场景，更有多个光学主题培训班的加入，为光电人带来更多专业课程，全面覆盖多个激光和光电子领域。同期大会共计**96场专业报告**，吸引**2,297名专业听众**，现场座无虚席，呈现了学术研究与理论应用的智慧碰撞。

PHOTONICS CONGRESS CHINA is scheduled to be held parallel to LASER World of PHOTONICS CHINA 2024.

PHOTONICS CONGRESS CHINA is a unique event that covers 12 topics, including computational optical imaging technology, optical metasurface technology, semiconductor optics technology, laser technology, advanced lasers, infrared technology, optical testing, etc., focusing on application scenarios such as semiconductor, new energy, automotive engineering, human intelligence, biomedicine, and so on. There were 96 reports and attracted a total of 2,297 visitors.

光学技术大会主题报告暨开幕式 PHOTONICS CONGRESS CHINA Keynote Speech & Opening Ceremony

到场人次 Visits: 186

报告数 Amounts of reports: 4

满意度
Satisfaction
98%

高端光学制造前沿技术论坛 High-end Optical Manufacturing Technology Frontier Forum

到场人次 Visits: 1012

报告数 Amounts of reports: 44

满意度
Satisfaction
98%

- 计算光学成像技术论坛
Computational Optical Imaging Technology Forum
- 超构光学表面技术论坛
Optical Metasurface Technology Forum
- 半导体光学技术论坛
Semiconductor Optics Technology Forum
- 光学微纳检测技术论坛
Optical Measurement Forum for Micro-Nano Structure
- 红外检测技术前沿论坛
Infrared Detection Technology Frontier Forum

光电技术技能培训课程 Workshop on Optoelectronic Technology Skills

到场人次 Visits: 41

报告数 Amounts of reports: 4

满意度
Satisfaction
98%

- 先进光学系统及仪器设计培训班
Workshop on Advanced Optical System & Instrument Designing

激光智造产业技术论坛 Laser Intelligent Manufacturing Industry Technology Forum

到场人次 Visits: 1058

报告数 Amounts of reports: 44

满意度
Satisfaction
99%

- 高性能大功率光纤激光器技术论坛
High Performance High Power Fiber Laser Technology Forum
- 激光雷达技术及应用前沿论坛
LIDAR Technology and Application Frontier Forum
- 激光技术创新持续赋能智能制造
Laser Technologies Innovations Continue to Enable Intelligent Manufacturing
- 激光技术助力泛半导体产业发展新机遇
Laser Technologies Promote New Opportunities for the Development of Pan-Semiconductor Industry
- 2024新能源汽车激光与质量控制论坛
New Energy Vehicle Laser and Quality Control Summit 2024

最受欢迎关键词

MOST POPULAR KEYWORDS

计算光学成像技术
Computational optical
Imaging technology

激光雷达技术及应用
LIDAR technology and
application

光学微纳检测技术
Optical measurement for
micro-nano structure

超构光学表面技术
Optical metasurface
technology

激光技术智能制造
Laser-based intelligent
manufacturing

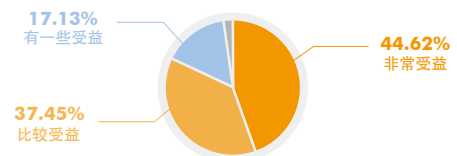
新能源汽车智造及质量控制
Intelligent manufacturing and quality
control of new energy vehicle

大会满意度 Satisfaction

■ 非常好/比较好/好 Excellent / Very Good/ Good ■ 一般 Fair

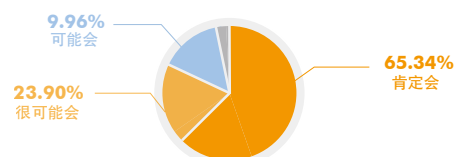
研讨会内容的质量 Quality of content	97.6%	2.0%
实际演讲内容的实践性 Practical relevance of the lecture content	96.0%	2.8%
演讲的专业性 Professionalism of the speeches	99.2%	0.8%
内容的难度 Level of difficulty	94.4%	4.8%
当下相关主题的涵盖 Coverage of all currently relevant topics	95.2%	3.6%

观众受益度 Benefit of exhibiting



推荐2025光学技术大会可能性

Recommendation to business partners or colleagues





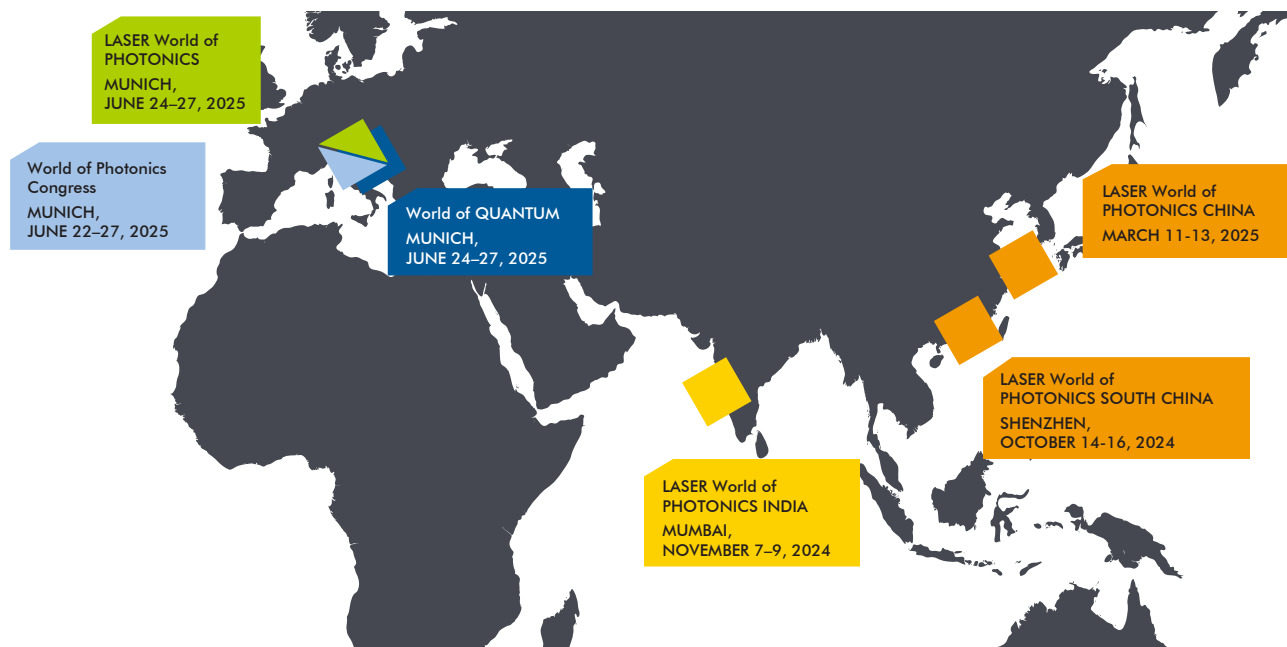
慕尼黑上海光博会

WELCOME TO LASER World of PHOTONICS CHINA

LASER World of PHOTONICS 拥有全球性的展览网络。慕尼黑光博会全球网络及同期会议使得激光光电行业及其用户能够轻松进入世界重要市场、了解行业创新思维。

慕尼黑国际博览集团是世界知名的激光、光电展览主办方，在慕尼黑、中国和印度共有2,200余家展商和83,000多名观众。

LASER World of PHOTONICS has developed an international trade fair network. Its global network of trade fairs and their congresses represents the most important marketplaces and think tanks for the global laser and photonics industry and its users. With a total of more than 2,200 exhibitors and more than 83,000 visitors in Munich, China and India, Messe Muenchen is the world's leading trade fair organizer for laser and photonics.



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