

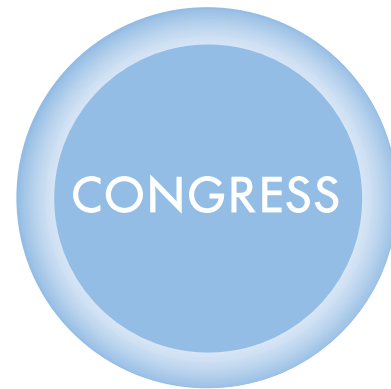


LASERS AND LASER SYSTEMS FOR PRODUCTION ENGINEERING



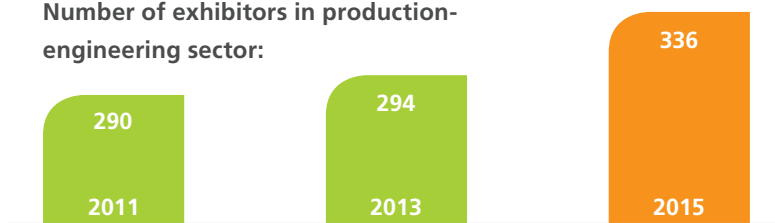
THREE STRONG PILLARS—A RECIPE FOR SUCCESS

The undisputed leading international trade fair for the photonics sector:
The LASER World of PHOTONICS recipe for success is the combination of innovations,
practical applications and research.



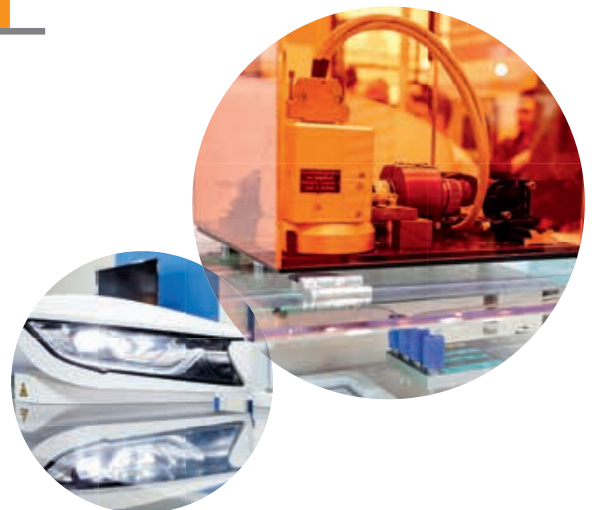
Number of visitors in the production-engineering sector: On average, just less than 13,000 visitors with an upward trend. 93 % see these three pillars as a significant advantage over other trade fairs.

Number of exhibitors in production-engineering sector:



→ PRODUCTION-ENGINEERING SECTOR IN 2015:

- 336 exhibitors from 28 countries
- 48% international exhibitors
- 12,824 visitors in production-engineering sector
- 41% of all visitors in production-engineering sector
- 100% positive ratings for the production-engineering sector



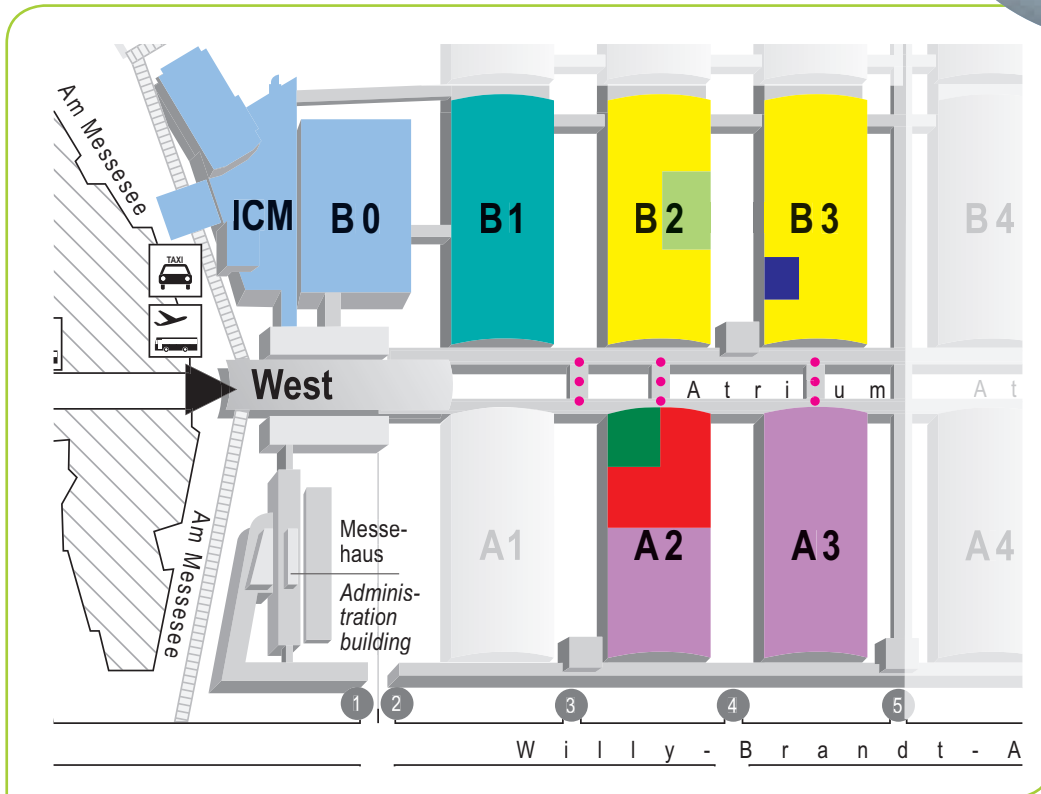


LASERS AND LASER SYSTEMS FOR PRODUCTION ENGINEERING



ORGANIZER/INFORMATION

→ LAYOUT OF THE HALLS AT LASER WORLD OF PHOTONICS 2017



A2/A3

Lasers and Laser Systems for Production Engineering

A2

Imaging

A2

Sensors, Test and Measurement / Optical Measurement Systems

B1

Optics / Manufacturing Technology for Optics

B3

Optical Information and Communication

B2/B3

Lasers and Optoelectronics

B2

Biophotonics and Medical Engineering

ICM/B0

World of Photonics Congress

→ ORGANIZER

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→ YOUR CONTACT

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LIGHT APPLIED



LASERS
AND LASER
SYSTEMS

FOR
PRODUCTION
ENGINEERING

JUNE 26–29, 2017, MESSE MÜNCHEN

23rd International Trade Fair and Congress
for Photonics Components, Systems and Applications





LASERS AND LASER SYSTEMS FOR PRODUCTION ENGINEERING



TRADE FAIR

LASER World of PHOTONICS features a unique combination of application and research in the photonics sector. The who's who of the industry meets at the international trade fair. Showcase your products and innovations, cultivate contacts and get new customers in the process. This is where decision-makers meet.

YOUR TARGET GROUP

→ VISITORS BY JOB POSITION

- CEOs/CTOs
- Production managers
- Project managers
- Technical directors
- Production planners
- Product managers
- Process engineers
- Development engineers
- Design engineers
- Skilled workers



→ VISITORS BY BRANCHES OF INDUSTRY

- Automobile manufacturing and its suppliers
- Chemistry/Pharmaceuticals/Medicine/Biotechnology
- Data-systems technology/Telecommunications
- Printing/Reproduction
- Electrical engineering/Electronics/Semiconductors
- Precision mechanics
- Plastics industry
- Contact manufacturing
- Aviation and aerospace technology
- Medical technology
- Photovoltaics
- Security
- Tool and machine manufacturing

EXHIBITOR PROFILE

→ EXHIBITORS BY SECTOR

- Lasers
- Laser systems for micro-/macro material processing
- Laser systems for additive manufacturing/3D printing
- Laser systems for producing organic and printed electronics
- System periphery for laser manufacturing technology
- Laser-based product development and design systems
- Laser-based processing systems for various materials and applications
- Robotics
- System integration and special-purpose systems
- Cooling systems
- Filter and extraction systems
- Raw materials for materials processing
- Laser-beam protection
- Measuring and testing systems
- Contract manufacturing and services





LASERS AND LASER SYSTEMS FOR PRODUCTION ENGINEERING



SUPPORTING PROGRAM

Special shows and forums are just part of the fair's application-oriented information program on the photonics industry's latest topics. 96% of participants gave these events positive ratings, confirming the relevance and acceptance of this format.

APPLICATION PANELS

Experts present new application sectors for the tool of light in practical application panels. In 2015, some 1,500 people attended the application-oriented series of lectures on the latest topics, challenges and solution approaches in photonics.

→ TOPIC HIGHLIGHTS IN 2015

- Advanced Applications of Ultra-Short Pulsed Laser Systems
- 3D-Printing: Laser-Based Additive Manufacturing for Production of Metal Parts
- Lasers in Microelectronics: The Smart World Approaching
- Laser Processing of Glass

SPECIAL SHOWS

Renowned institutes and well-known exhibitors demonstrate lasers in actual use in special shows.

→ TOPIC HIGHLIGHTS IN 2015

Photons in Production (in cooperation with the Institute for Machine Tools and Industrial Management/TU Munich and the Bavarian Laser Center)

Application examples and technical lectures:

- Laser-beam joining metal and plastic and dissimilar metals
- Additive manufacturing
- Microprocessing using ultra-short-pulsed lasers

3D printing—Additive manufacturing

- Materials, design and engineering
- Laser-based manufacturing techniques: Systems engineering and production techniques
- Simulation, process monitoring, quality control



Photonics applications in the automotive industry

(in conjunction with well-known exhibitors)

- Presentation of the BMW i8 featuring new light technology, i.e. laser light
- Optical systems for measuring vibrations and dynamics in the drive train, the vehicle interior and on the chassis
- Shedding light on the plastic welding process in automotive engineering
- Laser-based materials processing, from laser welding and remote welding to laser cutting



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CONGRESS

The World of Photonics Congress is the leading European technical congress and gathering for the international scientific elite. For 65% of all exhibitors at the fair, congress participants are an important target group, and 44% stated that they mainly want to address visitors from colleges and universities with their exhibits.



→ FACTS & FIGURES

WORLD OF PHOTONICS CONGRESS 2015

- More than 3,900 participants
- Approximately 2,700 lectures
- 99% positive visitor ratings

CONGRESS FOCAL POINT: LIM (LASERS IN MANUFACTURING)

Application-oriented conference within the World of Photonics Congress. Organized by the German Scientific Laser Society (WLT). More than 450 conference participants attended the LiM lectures in 2015.



→ TOPIC HIGHLIGHTS IN 2015

Macro Processing

- Surface Treatment and Cladding
- Additive Manufacturing
- Laser Processing of Carbon Fiber Reinforced Plastics (CFRP)

Micro Processing

- Processing of Transparent Materials
- Surface Functionalization

Special Sessions

- Ultrafast Solid State and Fiber Laser
- Materials Structuring using Short Laser Pulses

