

Connecting Global Competence



Messe München

# INNOVATION WITH LIGHT EXHIBITOR INFORMATION

co-located trade fairs



SEPTEMBER 22–24, 2021, BIEC, BENGALURU

9<sup>th</sup> Edition of India's Platform for Laser and Optical Technologies—  
Components, Systems and Applications

**LASER** World of **PHOTONICS** INDIA

[world-of-photonics-india.com](http://world-of-photonics-india.com)

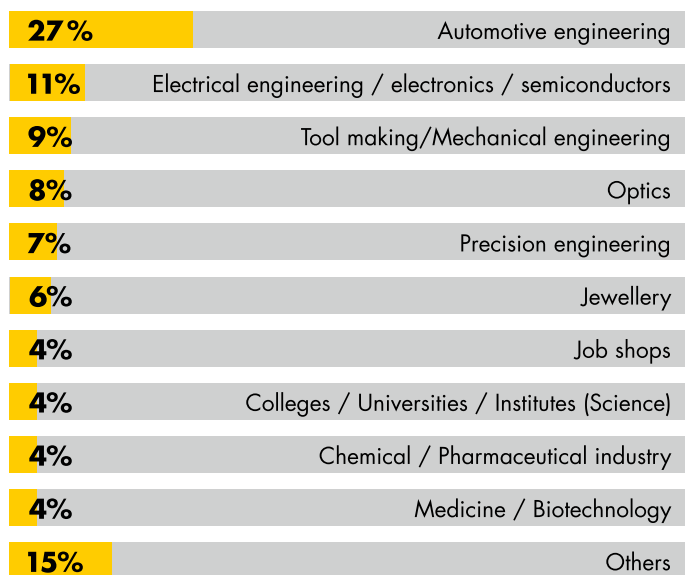
## OVERVIEW

# Leading and only trade fair in India for laser and optical technologies

### Key figures 2019

- ▶ 7,320 sqm of exhibition space
- ▶ 142 exhibitors from 10 countries
- ▶ 4,538 visitors from 19 countries
- ▶ Country pavilions from China and Germany
- ▶ Visitor delegations from BARC, Bharat Forge, Bajaj Auto, TIFR, Bombardier, Larsen & Toubro, Reliance Industries to name a few

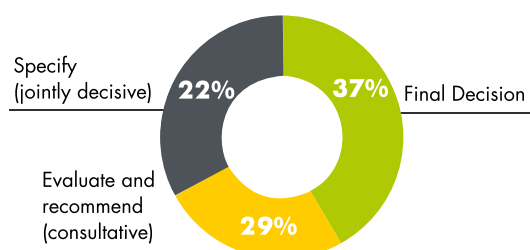
### Sectoral representation of visitors



Other sectors include: Food & Packaging / Clothing, Garment, Textile / Aviation, Aerospace / Data Processing, Telecommunications / Photovoltaics / Signage, Printing / Public Administration, Public Authorities / Security & Defence / Traffic & Transport

Source: Visitor survey report 2019

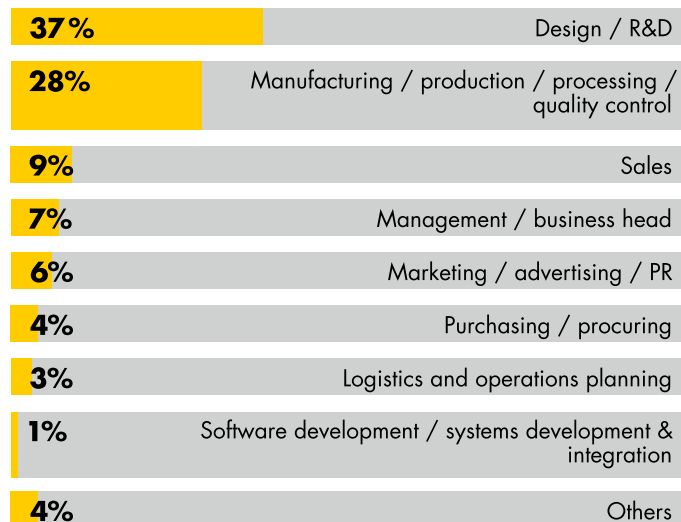
### Influence of visitors on purchasing decisions



### Growing exhibition space



### Areas of responsibility



Source: Visitor survey report 2019

### Accompanying program 2019

Assessment excellent to good



Source: Visitor survey report 2019

### What visitors appreciated most in 2019

Assessment excellent to good

- ▶ Presence of market leaders
- ▶ Representation of international and national exhibitors
- ▶ Benefit for the visiting company
- ▶ Character of a leading trade fair in this branch in India
- ▶ Representation in terms of products / completeness of product range
- ▶ Accompanying program

## India's only dedicated & leading trade fair for laser and optical technologies

Showcase your company at India's only dedicated gathering for laser and optical technologies – LASER World of PHOTONICS INDIA – to scale up your business and tap the growing market. Network with decision makers, interact with academics and forge strong ties with key buyers as the trade fair in 2021 will be held in Bengaluru from 22-24 September at the Bangalore International Exhibition Centre (BIEC).

### Market overview

- ▶ India predicts an inflation rate of 3.8% in 2021 with a rather stable development of 4% in 2025 (source: IMF)
- ▶ India is said to remain one of the fastest-growing economies in the world. IMF projects a real GDP growth of 11.5% for India in 2021 (source: IMF, January 2021)
- ▶ The Ease of Doing Business Index 2020 ranks India as 63 out of 190 countries (up by 79 ranks since 2014) and as 1 in South Asia (source: World Bank)
- ▶ The Global Competitiveness Index 2019 ranks India as 68 out of 141 countries (source: gta)
- ▶ The Indian government has set a growth target for the manufacturing sector to reach 25% of GDP by 2025 (currently 16% of GDP)
- ▶ India is an import market for lasers and optics with various supply chains in the ecosystem:
  - OEMs import the finished product into India
  - Indian companies import the laser source and servo motor package and integrate in India
  - International players carry out integration at global sites
- ▶ Major laser applications are in Indian key industries like automotive, railway, construction equipment, agriculture equipment and others\*
- ▶ Strong growth potential for laser applications is expected in telecommunications and advanced consumer goods\*\*
- ▶ The Indian market for photonics is witnessing high growth also due to rising automation and development of new applications\*\*
- ▶ The increasing demand for innovations leads to investments in R&D and education\*

Sources:

\*Outlook and opportunities 2020: Laser in India by EAC International Consulting

\*\*India Photonics Market: 2017 Study by Industry ARC and SPECTARIS

## Reasons for your presence

### The audience we address is incomparable

The visitors attending the trade fair – key decision makers, experts and scientists – represent a variety of industries ranging from automotive to telecommunications, from life sciences to jewellery, from printing to mechanical engineering, as well as from research institutes.

### Our unique accompanying program delivers additional value

In collaboration with industry associations and influencers, we add value to the exhibition by organizing a high quality accompanying program to encourage suppliers and buyers, users and engineers as well as researchers and scientists to exchange ideas, share vision, demonstrate know-how and showcase innovations.

### We provide high quality service and international standards

Our years of experience with LASER World of PHOTONICS in Munich, China and India enable us to provide you with more than just an exhibition stand. That means competence, contacts and a competitive edge to promote an entire industry including your company. Exhibitors benefit from our international network and our global partnerships with associations, key industry players and media.

### We take the trade fair to the markets with high business potential

Our regional approach has proved to be the right concept for the geographically big Indian market. Our deep understanding of the needs of manufacturers and suppliers as well as the buyers from the various user industries guarantees a successful participation with quality contacts and targeted business meetings.







## SHOW PROFILE

**Displaying the entire range of technology  
with key decision makers from the industry**

### Why Bengaluru?

The 9<sup>th</sup> edition of the trade fair will return to Bengaluru for the fourth time in 2021.

The heavily industrialized south of India leads the nation in fields such as precision tool manufacturing and is the world's fourth largest cluster after Silicon Valley, Boston and London.

Further, it is an acknowledged science hub and home to a number of recognized universities, engineering schools and polytechnic institutes.

Being a strong industry platform, LASER World of PHOTONICS INDIA supports the south Indian region's strategy of harnessing modern technologies for production purposes. The trade fair in Bengaluru taps into the state of Karnataka with more than 61 million inhabitants and also attracts visitors from the neighboring states Tamil Nadu, Telangana, Andhra Pradesh, Kerala and others.

Bengaluru and the neighboring major industrial cities (Hosur, Coimbatore, Visakhapatnam, Hyderabad, Chennai, Kochi, Hubli, etc.) host many user industries and research institutes for which laser-based applications are of high interest.

### Business prospects in all Indian industry hubs

#### Western Region

- ▶ Automobile
- ▶ Auto Components
- ▶ Pharmaceuticals
- ▶ Heavy Metal Fabrication
- ▶ Gems & Jewellery
- ▶ Ship Building
- ▶ Iron & Steel
- ▶ Ceramics
- ... to name a few

#### Northern Region

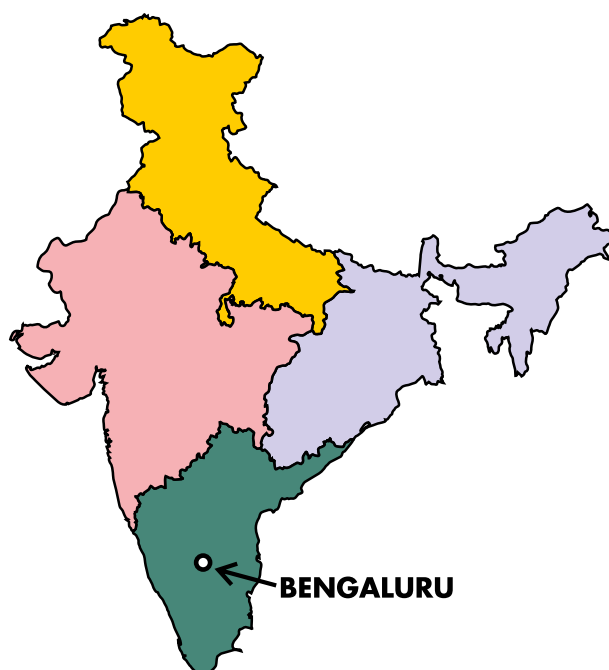
- ▶ Automobile
- ▶ Automotive components
- ▶ Electronics
- ▶ Pharmaceuticals
- ▶ Textiles
- ▶ Signage
- ▶ Shoes & Leather products
- ▶ R&D Centre
- ... to name a few

#### Southern Region

- ▶ Automobile
- ▶ Automotive Components
- ▶ Textiles
- ▶ Steel
- ▶ Electronics
- ▶ Bio Technology
- ▶ Solar Equipment
- ▶ Machine Tools
- ▶ Aerospace
- ▶ Semiconductor
- ▶ Precision Engineering
- ▶ Optics
- ▶ Research Institution
- ▶ R&D Centre
- ... to name a few

#### Eastern Region

- ▶ Mining Equipment
- ▶ Food Processing
- ▶ Packaging
- ▶ Textiles
- ▶ Agro Products
- ... to name a few



## Exhibitor profile

- ▶ Lasers and Optoelectronics
- ▶ Optics
- ▶ Manufacturing Technology for Optics
- ▶ Laser Systems for Production Engineering
- ▶ Optical Information & Communication
- ▶ Biophotonics & Medical Engineering
- ▶ Sensors, Test and Measurement & Optical Measurement Systems
- ▶ Imaging
- ▶ Illumination and Energy
- ▶ Security
- ▶ Additive Manufacturing

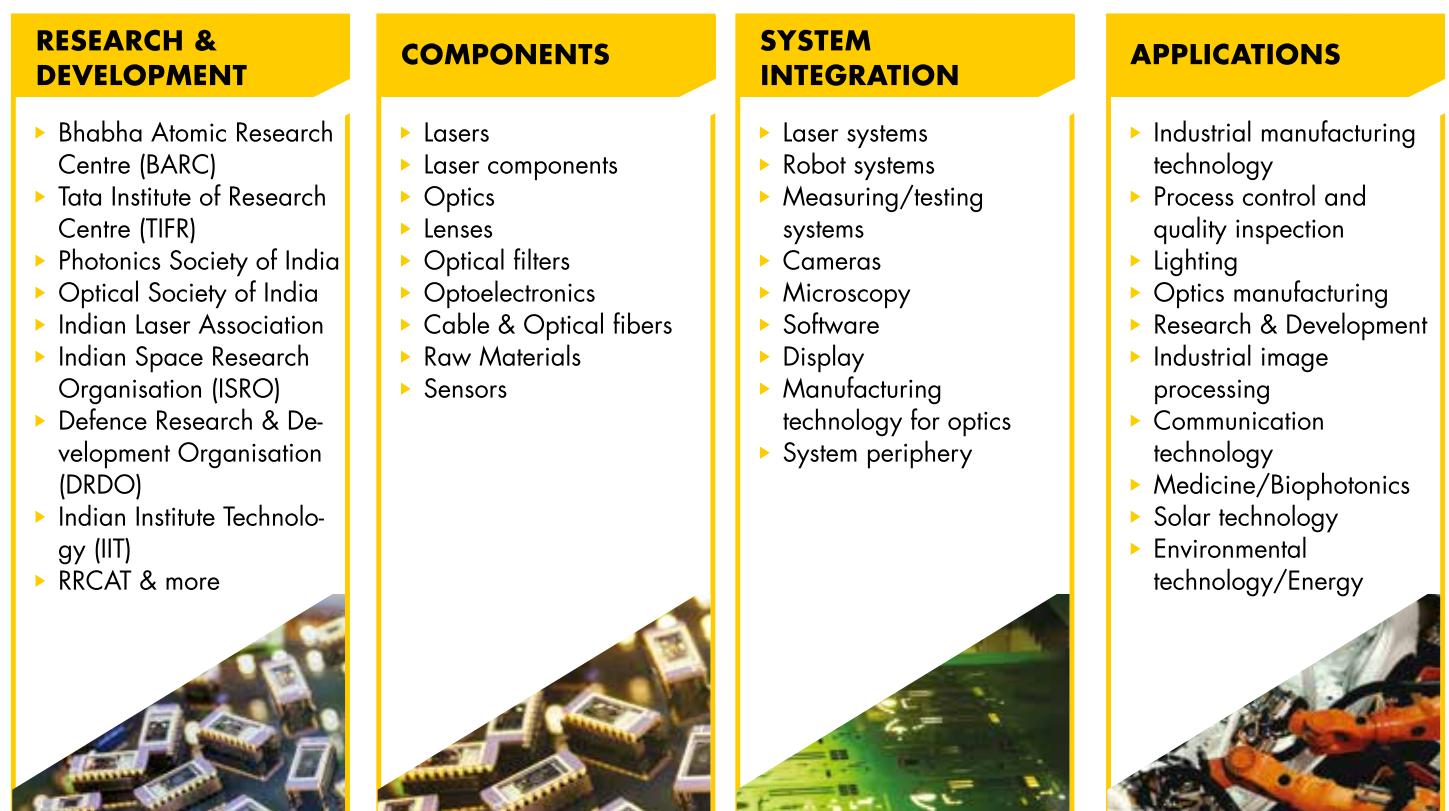
## Visitor profile

The visitors of LASER World of PHOTONICS INDIA come from various user industries with the objective to find innovative solutions to increase their productivity and competitiveness. Meet visitors from the following industries:

- |                                        |                                      |
|----------------------------------------|--------------------------------------|
| ▶ Automotive                           | ▶ Jewellery                          |
| ▶ Toolmaking / Machine Manufacturing   | ▶ Textile                            |
| ▶ Electrical Engineering / Electronics | ▶ Food and Packaging                 |
| ▶ Precision Mechanics / Optics         | ▶ Aviation / Aerospace               |
| ▶ Health Care / Medical Technology     | ▶ Photovoltaic                       |
| ▶ Science / Research                   | ▶ Contract Manufacturing / Job Shops |
|                                        | ▶ Telecommunications                 |
|                                        | ▶ Signage and many more....          |

The diverse range of exhibits at LASER World of PHOTONICS INDIA covers all topics that pertain to optical technologies: a unique combination of research, innovative technologies and industrial application sectors, supported by a program of related events.

## The entire value chain in photonics





## ABOUT THE SHOW

**An ideal hub for laser professionals**

**Look what exhibitors and buyers have to say**

### Key highlights 2021

- ▶ 8,500 sqm of exhibition space
- ▶ 200+ exhibitors (national + international)
- ▶ 10,000+ visitors (mainly from India and neighboring countries)
- ▶ Co-located with the trade fairs electronica India, productronica India, MatDispens & Smart Cards Expo
- ▶ Country pavilions from Germany, China and other countries

### Accompanying program (in planning)

#### International Conference on Application of Lasers in Manufacturing

- ▶ Keynote presentations & Technical sessions
- ▶ Industrial talks

Attended by professionals involved in manufacturing, laser processing, laser system manufacturers and research.

### Special areas

#### Machine Vision (Special Pavilion)

- ▶ Latest trends and innovation in machine vision with LIVE demonstration of vision products and their applications.
- ▶ Complete range of solutions under one roof: camera, sensors, software, lighting and other vision components.

#### AM 2021 Expo and Conference jointly organized with AMSI

- ▶ 10th international conference on 3D printing & additive manufacturing technologies
- ▶ Additive Manufacturing Expo

AM 2021 will bring together engineers, scientists, designers and educators across the globe to share knowledge, best practices, challenges and new applications.

#### Buyer-Seller Forum

A business match-making platform which enables personal meetings between exhibitors and buyers from across India, representing a mix of various industries and government bodies.

#### Laser Live Zone

LIVE demonstration of laser systems

### Accompanying trade fairs 2021



electronica India is the leading trade fair for electronic components, systems, applications and solutions in India. The venue alternates between New Delhi and Bengaluru.



productronica India is the innovative platform for production technologies acting as a catalyst towards India's emerging electronics manufacturing market.



Adhesives and sealants are an important ingredient of electronic part manufacturing and assembly. The demand for electronic adhesives is linked to the development and innovations in electronics products.



Launched in 1999, SmartCards Expo is India's only trade fair on Smart Card technologies and applications.

” I have been participating in LASER World of PHOTONICS INDIA for the past 8 years. It is a very good platform that brings in customers, manufacturers, OEMs all together. The interaction has been excellent. The trade fair has grown considerably over the years. They bring people from the industry, that are relevant to laser industry, automotive industry, medical devices, defense sheet, metal cutting, diamond industries. I have got some very good leads from the show over the years.

**Dr. Lalit Kumar, Managing Director,  
Coherent Laser India**



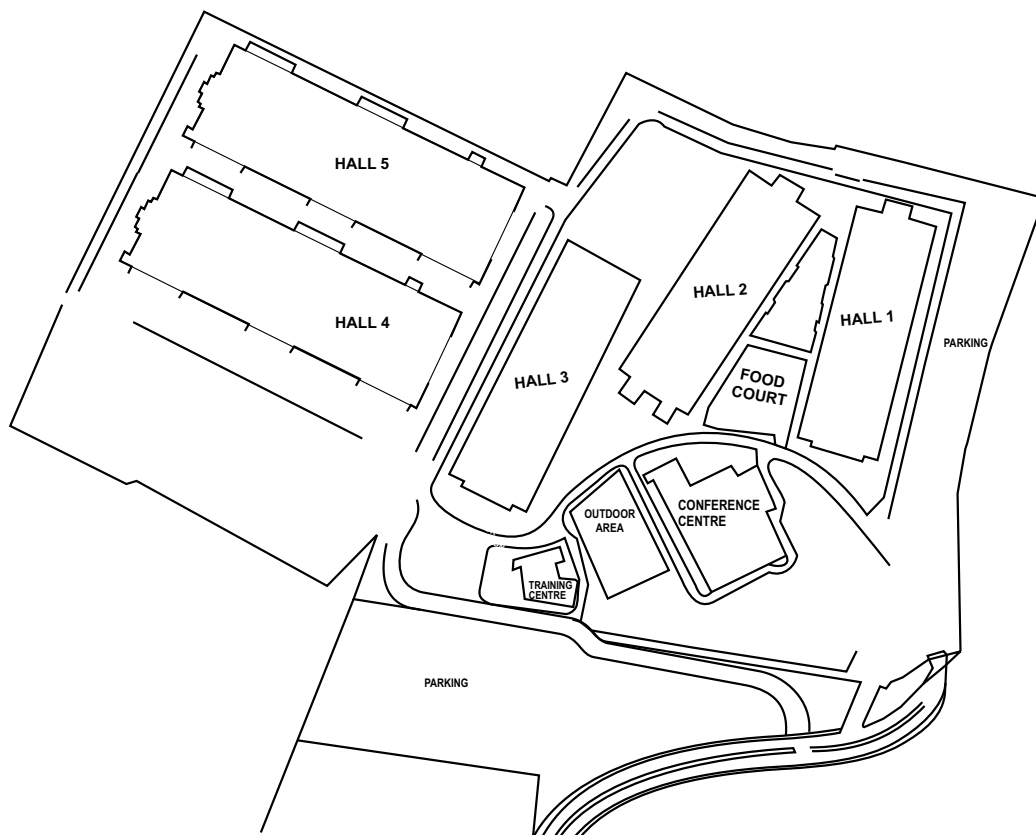
” The Buyer-Seller Forum is absolutely fantastic. We got the opportunity to interact with a lot of sellers from across the world. Laser technology is very new in India. That is why we are very thankful. We are very grateful to LASER World of PHOTONICS INDIA that they organize this type of exhibition.

**Alok Mishra,  
Bharat Forge Limited**



## Plan of the fairground

Layout of Bangalore International Exhibition Centre (BIEC)



## The world of photonics network

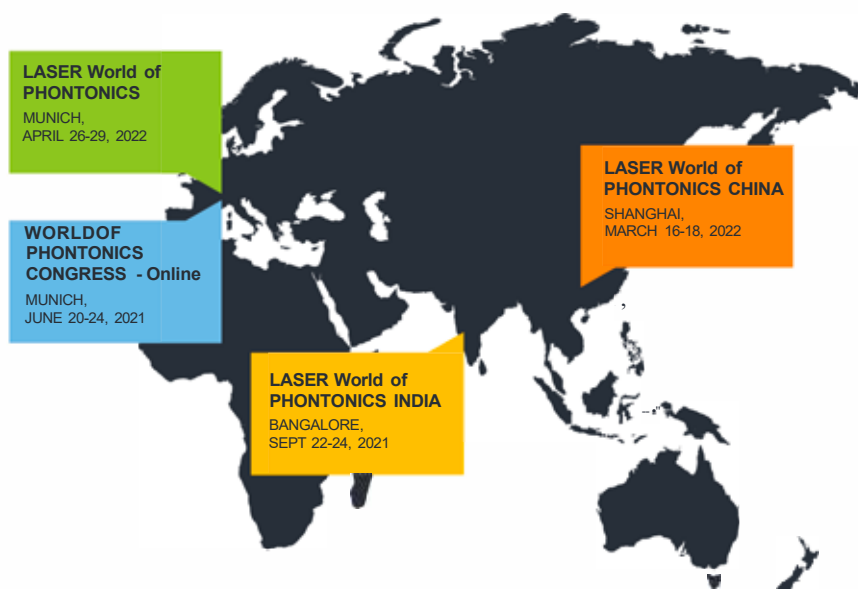
LASER World of PHOTONICS has developed the world's leading trade fair network. Its global network of trade fairs and their congresses represents the most important marketplaces and think tanks for the global laser and photonics industry and its users.

It started 1973 with LASER World of PHOTONICS in Munich—the world's leading platform of the laser and photonics industry—and the World of Photonics Congress—Europe's largest photonics congress.

This unrivalled combination of trade fair and congress, which brings together research and application, was further developed for the growing markets in China and India. The global network combines innovations and trends with country specific main themes. Precisely tailored to the market. Plus the recipe for success of the mother fair: depicting the entire value chain and bringing together all key players at an international level.

## Key facts about LASER World of PHOTONICS

- ▶ More than 100,000 visitors
- ▶ More than 2,600 exhibitors



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