

Munich, August 29, 2024

Press Release

electronica 2024: EMS services driving forward electronics production

Claudia Grzelke
PR Manager
Phone +49 89 949-21498
claudia.grzelke@
messe-muenchen.de

- **Technological innovation through Industry 4.0 technologies and advanced manufacturing techniques**
- **Future-proof EMS strategies through innovations and sustainability**
- **Knowledge transfer and networking for the EMS industry at electronica**

Electronic manufacturing services (EMS) are essential for modern electronics production and are the backbone of many industries. With the new EMS Pavilion, the PCB, EMS & Components Marketplace, and a ZVEI panel discussion, electronica 2024 will have a clear focus in Munich from November 12 to 15. The world's leading trade fair for electronics will show how EMS service providers are shaping future electronics production through innovations and sustainability strategies.

EMS offers comprehensive services ranging from the development to the production of complex electronic components for industries such as automotive, consumer electronics, and industrial automation. According to the German Association of the Electronics and Digital Industry (ZVEI), the EMS sector generated over 12 billion euros in 2022 in Germany, Austria and Switzerland alone. It employs more than 50,000 people, is of major economic importance, and acts as a job engine. [Fortune Business Insights](#) even estimates the global EMS market at USD 573.75 billion in 2024, and forecasts growth to USD 1,017.85 billion by 2032.

Technological innovations and their significance

Thanks to the integration of Industry 4.0 technologies, EMS services are

Messe München GmbH
Am Messesee 2
D-81829 Munich (München)
Germany
messe-muenchen.de



Press Release | August 29, 2024 | 2/4

experiencing a true revolution. Companies in the EMS sector are being transformed from mere component producers into active partners in product development in many key industries. The use of IoT, AI and big data enables automated, networked production with more efficient processes and increased flexibility. As a result, EMS providers can respond better to rapidly changing customer requirements and market conditions.

Advanced manufacturing techniques, such as advanced production methods with 3D printing and robotics, enable more accurate and efficient production. These technologies simplify the manufacture of customized products and enable rapid adjustment to market changes and specific customer requirements. In prototype production, they offer the necessary flexibility to quickly test and implement new designs.

Sustainability as a key factor

The growing importance of sustainability in the manufacturing industry is also evident in the EMS sector. Production processes are becoming increasingly environmentally friendly, saving raw materials and reducing the carbon footprint. In addition to the use of sustainable materials and efficient use of resources, modern recycling processes and a focus on the circular economy reduce the industry's ecological footprint. And that also pays off economically through lower operating costs.

Future-proof through smart supply chains, customer centricity, and local production

Like many internationally networked industries, EMS companies must also respond to global economic change and, in particular, disrupted supply chains. To optimize supply chains, forecast fluctuations in demand, and plan resources more efficiently, they rely on artificial intelligence (AI) and machine learning, for example. At the same time, the industry must also make strategic and long-term decisions, such as setting up local production facilities to reduce dependence on global supply chains. These strategies guarantee maximum flexibility and

Press Release | August 29, 2024 | 3/4

resilience, and make EMS service providers reliable partners in a dynamic industry.

electronica 2024: meeting place for knowledge transfer and networking in the EMS industry

All this shows that it has never been more important for the EMS industry to not only network within its own sector, but to also discuss challenges and innovations with its international customers. With presentations and discussions, the [PCB, EMS & Components Marketplace](#) at electronica 2024 offers a unique platform for exchanging information on current trends and solutions as well as the latest developments in the EMS industry.

A special highlight at the forum will be the ZVEI panel discussion at 10:30 a.m. on November 13 in Hall A1: Industry experts and decision-makers will discuss how European competitiveness in the high-tech sector can be secured, and what contribution EMS can make to building a resilient microelectronics ecosystem.

For the first time at electronica 2024, the EMS Pavilion offers small and medium-sized companies the opportunity to present their products and services as part of a joint stand. With 18 new exhibitors, the pavilion was fully booked within a very time. In addition, visitors to Halls A1, B1 and C6 will have the opportunity to find out about the latest technologies and trends in the EMS industry from other renowned companies in the sector, such as BMK, Cicor, Deltec, Lacroix, Prettl, SERO, SVI Austria, TQ and Zollner, to network and exchange information on current developments and best practices.

You can find this press release for download including press pictures at the [electronica newsroom](#).

About electronica

electronica is the most important international meeting place for the electronics industry. As the world's leading trade fair, it presents the entire spectrum of technologies, products and solutions in electronics and brings together experts and users from all over the world. The extensive supporting program with top-class conferences and practice-oriented forums provides deep insights into the

Press Release | August 29, 2024 | 4/4

latest trends from research to application and addresses current social issues. The next electronica will take place from November 12 to 15, 2024 at the Messe München Exhibition Center.

electronica worldwide

In addition to electronica, Messe München organizes electronica China, electronica South China, electronica India, the SmartCards Expo and electronicAsia. The network of electronics trade fairs also includes productronica in Munich, productronica China, productronica South China, productronica India and LOPEC.

Messe München

As one of the world's leading trade fair organizers, Messe München presents the world of tomorrow at its about 90 trade fairs worldwide. These include twelve of the world's leading trade fairs such as bauma, BAU, IFAT and electronica. Messe München's portfolio comprises trade fairs for capital and consumer goods, as well as for new technologies. Together with its subsidiaries, it organizes trade fairs in China, India, Brazil, South Africa, Turkey, Singapore, Vietnam, Hong Kong, Thailand, and the U.S. With a network of more than 15 affiliated companies and almost 70 representations worldwide, Messe München is active in more than 130 countries. The more than 150 events held annually attract around 50,000 exhibitors and around three million visitors in Germany and abroad.