

## European Micro Module Factory



### Overview

The European Semiconductor Manufacturing Company (ESMC), a joint venture by TSMC, Bosch, Infineon, and NXP, is building a semiconductor fab in Dresden, Germany, to boost innovation and meet Europe's growing tech industry demands. How has electronics manufacturing changed in the EU by 2025?

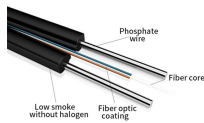
A brief overview of the current situation In 2025, microelectronics manufacturing in the European Union (EU) is witnessing strong growth due to significant investments and strategic initiatives to strengthen Europe's position in the. Semiconductor fabrication plants are factories where integrated circuits (ICs), also known as microchips, are manufactured. They are either operated by Integrated Device Manufacturers (IDMs) that design and manufacture ICs in-house and may also manufacture designs from design-only (fabless firms). Semiconductor manufacturing companies in Europe are important for the global tech industry, making key parts for electronics, cars, and communication. Some of the top companies include ASML, a Dutch company known for making machines used in chip production, and

STMicroelectronics, based in. Aluminum electrolytic capacitors are used in frequency converters, wind power converters, solar inverters, professional power supplies and UPS, medical applications, professional photoflash units and in a wide range of automotive applications. The PCBAs (Printed Circuit Board Assemblies) are developed in close collaboration with clients and custom-designed for implants, medical devices, and high-end industrial products. The company's core expertise lies in the miniaturization.

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Microdul is specialized in manufacturing high-quality, miniature electronic modules and in the processing of uncased integrated circuits.



Rendering high-density, first-rate, precise, and error-free PCB assembly, testing, and enclosure assembly services with an in-house automatic optical inspection (AOI) ...



With 14 main manufacturing sites in Europe and Asia, STMicroelectronics ensures supply security, quality, and innovation by keeping production close to R& D.



Discover the top 10 electronics manufacturers in Europe. Find out who's leading the industry in innovation and production.



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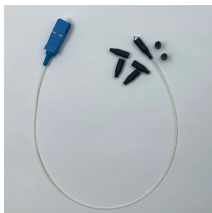
Semiconductor fabrication plants are factories where integrated circuits (ICs), also known as microchips, are manufactured. They are either operated by Integrated Device Manufacturers (IDMs) that design and manufacture ICs in-house and may also manufacture designs from design-only (fabless firms), or by pure play foundries that manufacture designs from fabless companies and do not design their own ICs. Some pure play foundries like TSMC offer IC design services, and others, like Samsung, design and ma...



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TDK Europe is the TDK Group's European sales company for electronic components sold under the TDK and EPCOS brands.



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Trends such as the convergence of edge computing and IoT are enhancing the scalability of micro factory models across diverse industries. Europe's micro factory market is projected to grow at a ...

## Contact Us

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