



Infineon Technologies Dresden

At a glance

Dresden – the most modern and one of the largest Infineon manufacturing and technology development location

- › 100-percent subsidiary of Infineon Technologies AG
- › Investments: over 3 billion euros since 1994
- › Highly automated manufacturing on 200 mm wafers for More-than-Moore technologies
- › The world's first high-volume production site for power semiconductors on 300 mm wafers

Employee structure

- › Over 2,000 employees of 20 nations, of which 50 percent are working in shift system
- › About 60 trainees in the mechatronics and microtechnology occupations

Social and regional commitment

- › One of the initiators and one of the founding member of Silicon Saxony: Technology network with more than 300 member companies
- › Donations and sponsoring for selected activities in the region

Highly automated high tech manufacturing

- › I4.0 production on 200 mm and 300 mm silicon wafers
- › First-class security standards
- › Highest quality due to zero defect philosophy
- › Fast cycle times
- › Clean room with 40,000 m² area
- › 12 km transport system
- › Production 365 days / 24 hours

Broad technology portfolio

- › 45 technologies and technology derivatives
- › Over 50 innovation and technology development projects



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More than 400 products in four segments

- › **Automotive:** motor and drive controls (hybrid, eMobility); safety management (airbag control unit); passenger and operator comfort
- › **Chip Card & Security:** ID (ePassports, identification card); payment systems (credit and debit cards, e-tickets); entertainment and communication (SIM cards)
- › **Power Management & Multimarket:** low-consumption, high-performance audio amplifiers; ambient light sensors; power control and battery management of mobile devices
- › **Industrial Power Control:** components for electric drives and renewable energy; intelligent power control electronics

Certificates

- › QM system according to ISO TS 16949 / ISO 9001
- › Integrated management program for environment, energy, safety and health according to ISO 14001, ISO 50001 and OHSAS 18001
- › Member of Umweltallianz Sachsen, the environmental alliance of Saxony (No. 66/2000)
- › Security management: ITSEC Common Criteria EAL5 and EAL5+, VISA Card and MasterCard certified

Future-oriented innovations

- › More-than-Moore technologies
- › Integrated MEMS and sensors (e.g. light, pressure, acceleration)
- › Smart, integrated power technologies for automotive and industrial applications
- › New concepts for power semiconductors on 200 mm and 300 mm wafers
- › Center of excellence for Industry 4.0 / production automation
- › Innovative unit processes
- › Equipment innovation (e.g. production facilities)

Infineon Technologies Dresden performs research and development projects in future-oriented technology fields, funded by the EU / ERDF, the Free State of Saxony and the German Federal Ministry of Education and Research (BMBF).