

Technical visit during Micromachine Summit 2015, May 13th

Agenda:

Start Hotel Lobby: 9:00
Arrival Fraunhofer IZM: 9:30

Guided tours until 11:45
Lunch (small buffet)

Departure: 12:30
Arrival First Sensor AG 13:30

Guided tours until 15:30
Coffee Break

Departure First Sensor AG 16:00
Arrival Hotel 16:45

Fraunhofer IZM

The Fraunhofer Institute for Reliability and Microintegration IZM is working in the field of packaging technology for electronic system integration and helps companies assemble robust and reliable electronic systems and integrate these into the application environment. Fraunhofer IZM specializes in industry-oriented applied research. With the four technology clusters

- Substrate-level integration
- System design
- Wafer-level integration
- Materials, reliability and sustainability

Fraunhofer IZM covers the entire spectrum of technologies and services necessary for developing reliable electronics and integrating new technology into applications. The customers are as varied as the applications for electronics. Fraunhofer IZM takes on development projects for the automotive industry, healthcare and industrial electronics and even textile companies.

The technologies and product solutions developed by Fraunhofer IZM are easily integrated into the industrial manufacturing environment. The institute provides all customers with access to equipment compatible with real-life manufacturing conditions. If required, the new technologies can be implemented directly on-site.

For more information please visit the website: www.izm.fraunhofer.de

First Sensor AG

First Sensor is a leading supplier of sensor solutions. The company develops and manufactures high-quality, customer-specific sensor solutions for the detection of light, radiation, pressure, flow, level and acceleration. First Sensor produces in-house and along the value-added chain from component to system level. Employing 790 people, the company is represented at six locations in Germany and also operates sales and production sites in USA, Canada, Singapore, UK, France, Sweden, Denmark and the Netherlands.

Technology and industry competence

First Sensor focuses on four core markets – Industrial, Medical, Mobility, and Electronic Engineering & Manufacturing Services (E²MS).

The Industrial Business Unit stands for

- Reliable sensors and customized solutions for the full range of industrial applications
- Optical, pressure, liquid level, inertial and other sensors
- High precision and long-term stability, even in harsh conditions
- Innovations from chips to smart sensor systems

The Medical Business Unit stands for

- Pressure sensors, flow sensors as well as optoelectronic sensors
- Highest standards of precision and reliability
- Extreme miniaturization and low energy consumption
- Development and production in line with the most stringent quality standards for medical devices

The Mobility Business Unit stands for

- Innovative and reliable cameras and sensors for individual customer requirements, able to withstand the harshest conditions including cold, heat and constant vibrations
- Robust pressure sensors for all types of vehicles
- Mass production in line with automotive standards

First Sensor's Electronic Engineering & Manufacturing Services (E²MS) include

- Consulting and specification, design, engineering and manufacturing
- State-of-the-art assembling and packaging technologies
- Test capabilities with in-house measuring and testing technologies
- Scalability of production capacities

For more information please visit the website: <http://www.first-sensor.com/en>