

# CAPABILITY STATEMENT for Semiconductor Manufacturing



[ifm.com/us](http://ifm.com/us)

# ifm – Worldwide leader of industrial automation technology

## Capability Statement for Semiconductors



### About ifm

ifm efector is a world leader in the manufacturing of sensors and controls. With the evolution of Industry 4.0, ifm has become a leader in producing system solutions.

Our products create efficiencies in the manufacturing process in industries such as food and beverage, robotics and assembly automation, automotive, material handling, semiconductor, and mobile vehicles. Our products increase machine performance, make changeovers more flexible, and improve product quality.

### Our Purpose

ifm's purpose is to make our customers succeed in their business. We achieve this mission by staying committed to our core principles of employees first, customer loyalty, and safe growth.

We invest in our employees to develop skills and knowledge and empower them to bring direct value to our customers.

We strive to earn our customers' loyalty by developing quality products that simplify technology and exceed their expectations.

ifm is focused on continuous, safe growth through innovation and long-term customer-directed strategies.



ifm applies advanced technology and uses innovative manufacturing techniques in our products to improve the performance and reliability in semiconductor production.



ifm USA headquarters, Malvern, PA. Our distribution center and manufacturing facility, ifm prover, are located nearby.

### Our Direct Business Model Sets Us Apart

ifm has built a business model that focuses on working directly with our customers.

A team of sales engineers are located near major cities throughout the US close to our customers.

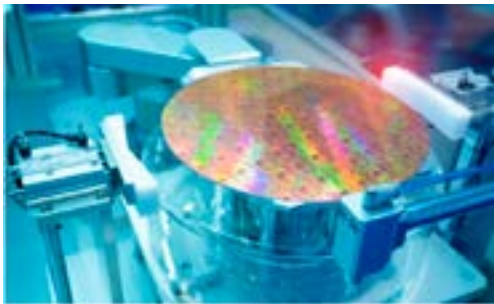
Our Customer Support Team is comprised of technical engineers and customer service representatives who strive to provide first-time call resolution.



## SMART MANUFACTURING SOLUTIONS FOR WAFER FABRICATION

ifm's success in the semiconductor industry began by increasing access to real-time data with smarter process sensors. By implementing these sensors, semiconductor manufacturers were able to ensure accurate slurry blending to avoid errors. Later, smart vibration sensors were implemented to prevent vacuum pump failure on production tools with improved maintenance strategies.

Today, ifm supports digital initiatives at wafer fabs that improve equipment availability and reduce scrap rates. ifm's next-generation vibration monitoring solutions are helping leading chip manufacturers avoid pump failure during production with real-time predictive analytics. ifm is committed to helping semiconductor companies improve efficiencies and reduce costs while meeting their increased future production demands.



### Improve production yield

Real-time monitoring of essential machinery increases precision and control of batch production processes.

### Improve product quality

Continuous monitoring of machine health during doping, thin film deposition, and dry etching ensures optimal product quality.



### Increase machine availability

Condition-based monitoring provides early detection and warnings of minor issues before they escalate into catastrophic failures.



## ifm at a glance



*ifm Global headquarters in Essen, Germany*



*Manufacturing sites in Tettwang, Germany*

- ifm group of companies, the parent company of ifm efector USA, was founded in 1969.
- Over 9,550 dedicated employees are located throughout the world in 150 subsidiaries who provide outstanding product support and technical service.
- More than 160,000 customers purchase ifm products worldwide resulting in \$1.45 Billion in sales (2023).
- ifm develops and produces more than 23 million products for industrial automation annually.
- Automated testing allows for quality control throughout the production process. Testing is performed to insure reliable performance.
- ifm has development and manufacturing centers located in Germany, India, Poland, Romania, Singapore and the USA.
- ifm currently employs 1,530 employees in R&D and holds 1210 patents with 100 patent applications.
- ifm has received multiple product awards for intelligent solutions, easy handling and innovative design.
- Committed to environmental protection and sustainability, ifm's 4th [Sustainability Report is online](#)

### ***ifm product lines***

*Inductive sensors  
Capacitive sensors  
Cylinder / valve sensors  
Photoelectric sensors  
Distance measurement sensors  
Fiber optics  
Encoders  
Vision sensors  
Safety sensors  
Pressure sensors  
Flow sensors  
Temperature sensors  
Level sensors  
Industry 4.0 IO-Link  
AS-i network  
Safety systems  
RFID systems  
Machine vibration monitoring  
Power supplies  
Wiring technology  
Mobile controls*

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