

**Pharma Congress 2017 Exhibitor  
Preview  
March 28-29  
Düsseldorf, Germany**



## **WORK Microwave — Stand D1**

With more than 30 years expertise in RF electronics, WORK Microwave is a leading provider of high-precision sensor solutions for a wide range of measurements and applications in the pharmaceutical industry, including mass flow, volume flow, density, viscosity, composition, and identification of foreign particles and substances in tablets and capsules.

WORK Microwave sensors can uniquely handle microwave frequencies of up to 90 GHz at a rate of up to 100,000 measurements per second, making them ideal for demanding in-line applications. Using these sensor solutions, pharmaceutical companies can successfully pass inspection standards, eliminate contamination, maintain hygiene, and reduce spoiled materials and waste.

## **Key Products and Technology Demos**

### **Pharmaceutical Capsule and Tablet Demo**

Measuring the powder material throughput and final inspection of the filled capsule or tablet is critical in the pharmaceutical industry. At Pharma Congress 2017, WORK Microwave will demonstrate a special version of its sensor system for high-speed, non-contact, in-line control and measurement of capsules and tablets. Within this system, the microwave sensor has been adapted to the size of a capsule/tablet, allowing a large quantity of measurements to be taken while the unit passes under the sensor. The small size of the sensor ensures easy integration into existing production machines. Using the system, a measurement rate of more than 100,000 capsules per hour can be achieved.

During the demo, WORK Microwave will show the mass of a capsule or tablet calculated in real time and stored for analysis to determine if modifications need to be made to the production process. WORK Microwave's sensors feature a highly robust design that minimizes maintenance requirements and are perfect for use in rugged environments. Via an extensive range of interfaces, including Ethernet, USB, and CAN, operators can easily support network connection requirements.

**Photo Link:** [www.202comms.com/WorkMicrowave/WORKMW-TabletSensor.jpg](http://www.202comms.com/WorkMicrowave/WORKMW-TabletSensor.jpg)

**Photo Caption:** WORK Microwave Tablet Sensor for Pharmaceutical Production

## **Company Overview:**

### **About WORK Microwave ([www.work-microwave.com](http://www.work-microwave.com))**

Headquartered in Holzkirchen (near Munich), Germany, and comprised of four operating divisions — Satellite Technologies, Navigation Simulators, Defence Electronics, and Sensors and Measurement — WORK Microwave leverages more than 30 years of microwave and signal processing experience to anticipate market needs and apply an innovative and creative approach to the development of digital signal processing technologies while maintaining the highest standards for quality, reliability, and performance.

WORK Microwave's Sensors division develops and manufactures high-precision sensor solutions for a wide range of measurements and applications used by the food, pharmaceutical, automotive, recycling, chemical, paper processing, and tobacco industries.

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