Bosch Connected Devices and Solutions GmbH

BOSCH
Invented for life

Connected Industrial Sensor Solution | CISS

The Robust Acceleration, Vibration & Condition Detector

Increase your manufacturing efficiency by monitoring your machines, processes and environmental conditions. The Connected Industrial Sensor Solution (CISS) is a compact multi-sensor device for harsh industrial environments.
Machine condition tracking enables predictive and remote maintenance to save costs. With CISS production yields can be optimized via live process monitoring. Due to its motion and environmental sensing abilities the CISS is ideally suited for I4.0 applications.

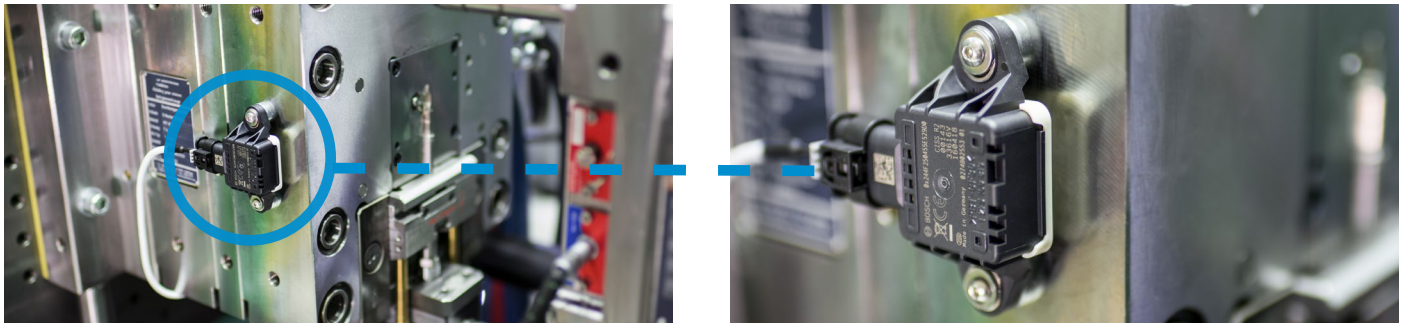
ONE SOLUTION - INFINITE POSSIBILITIES

Accelero-meter | Temperature sensor | Humidity sensor | Digital light sensor | Gyroscope | Magneto-meter | Pressure sensor | Micro-phone

YOUR POTENTIAL USE CASES

Condition Monitoring | Digital Twin | Machine Doctor | Predictive Maintenance

APPLICATION EXAMPLE: Condition monitoring at an injection molding machine in harsh environment



YOUR BENEFITS WITH CISS

- Suitable for condition monitoring within a wide range of machines and applications
- Compact and robust housing that enables IoT applications, even in rough, industrial environments
- Delivers crucial data for machine doctor-, predictive maintenance- and digital twin applications, as a basis for improvement of the Overall Equipment Efficiency (OEE)
- CISS allows to equip new machines or retrofit existing machines and make them ready for I4.0
- CISS flexibly connects machines with / without intervening to the machine control
- Different operation modes: data streamer, data logger, event mode, time aggregation mode
- Configurable, according to individual requirements: sensors, sampling rates, thresholds
- Special mode accelerometer: 2kHz sampling rate
- Ready to use: no programming required
- Software tools for download: Windows driver, example Python script, demo App: Virtual CISS
- CISS easily integrates to a range of hardware agnostic gateways and clouds

GET IN CONTACT WITH US!

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