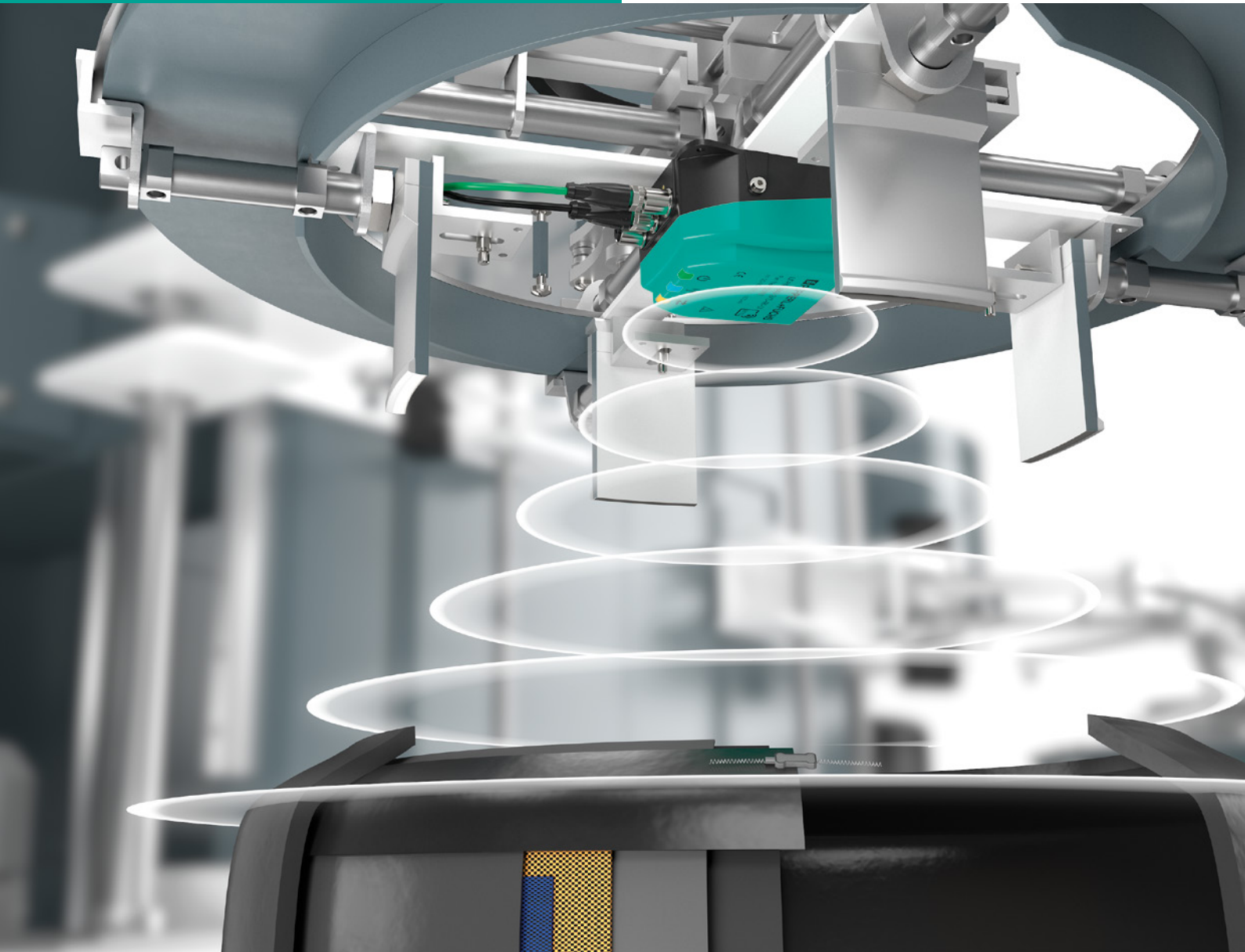


**Compact. Powerful.
Connected.**

1000 mW ERP transmitting power—making it the most compact UHF reader in its class.

RFID UHF Read/Write Head F190



Your automation, our passion.

 **PEPPERL+FUCHS**

Excellent Performance for Reliable Processes

F190 with Integrated Industrial Ethernet Interface

- Integrated industrial Ethernet interface
- REST API enables easy integration into OT and IT systems
- Integrated IOs (two inputs, one output)
- Web interface for convenient use, setup, and optimization

Rugged and Compact Housing Design

- Powerful UHF read/write head (average detection of up to 6 m)
- Extremely rugged IP67 cast housing
- Very high read speeds
- Multitag reading of up to 40 tags
- Compact housing design (114 × 112 × 63 mm)
- Transmission power of 1,000 mW ERP
- Integrated, automatically switchable antenna polarization



The rugged, ultracompact UHF reader provides superior process safety. Two powerful versions of the F190 also set the benchmark for flexibility, allowing users to choose the right solution for every application.

The Stand-Alone Solution

The compact UHF reader has an integrated industrial Ethernet multiprotocol interface. The stand-alone solution therefore does not require an external control interface. It is the perfect solution for constricted installation conditions. The devices can also be easily integrated without a control panel into OT and IT systems via the REST API. Integrated IOs allow users to connect other components, such as trigger sensors and stack light. The F190's powerful features make it an excellent solution for challenging track-and-trace applications in factory automation.

Highly Flexible, Global Use

The F190 with external control interface enables simple system integrations and offers incredible flexibility. The device is primarily used in PLC applications. Prebuilt function blocks make integration quick and convenient. The large number of radio approvals and bus interfaces ensure that the F190 can be used worldwide. In addition to connecting up to four read/write heads at the same time, these devices can also be used for mixed operation with trigger sensors. Multiplex mode ensures that the components are not affected by crosstalk. The rugged control interface offers perfect EMC protection and is also available as an ultracompact version for two read/write heads.



F190 with IDENTControl Control Interface

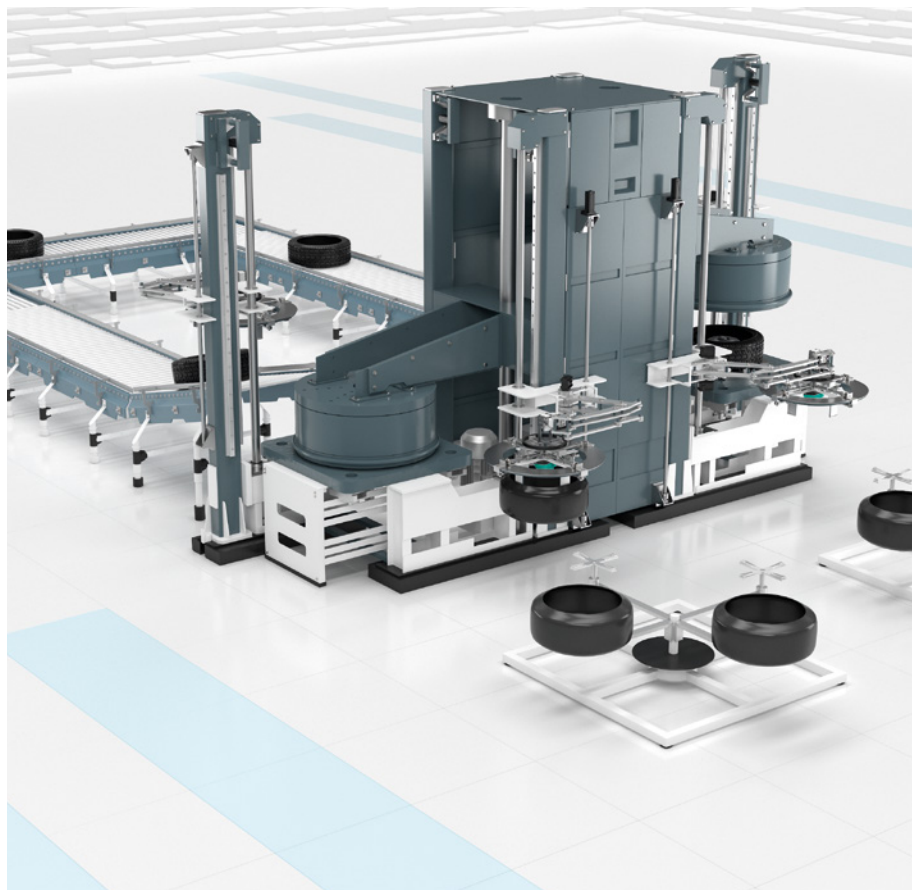
- Possible to connect up to four read/write heads at the same time
- Available as a compact version for two read/write heads
- Connects to several standard fieldbuses
- Excellent immunity due to EMC protection and the rugged, fully encapsulated metal housing
- Radio approvals for several countries enable global use
- RFID read heads available for all frequencies (LF, HF, UHF) and in many designs



For more information, visit pepperl-fuchs.com/pf-f190portfolio



Clear identification of green tires before insertion into the vulcanization press. Damage to the press and tires caused by mixing up the tires is prevented. Perfectly suitable for difficult ambient conditions (heat, limited installation space, etc.).



Your automation, our passion.

Explosion Protection

- Intrinsic Safety Barriers
- Signal Conditioners
- FieldConnex® Fieldbus Infrastructure
- Remote I/O Systems
- Electrical Explosion Protection Equipment
- Purge and Pressurization Systems
- HMI Systems
- Mobile Computing and Communications
- HART Interface Solutions
- Surge Protection
- Wireless Solutions
- Level Measurement

Industrial Sensors

- Proximity Sensors
- Photoelectric Sensors
- Industrial Vision
- Ultrasonic Sensors
- Rotary Encoders
- Positioning Systems
- Inclination and Acceleration Sensors
- Vibration Sensors
- Industrial Ethernet
- AS-Interface
- IO-Link
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- Displays and Signal Processing
- Connectivity

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