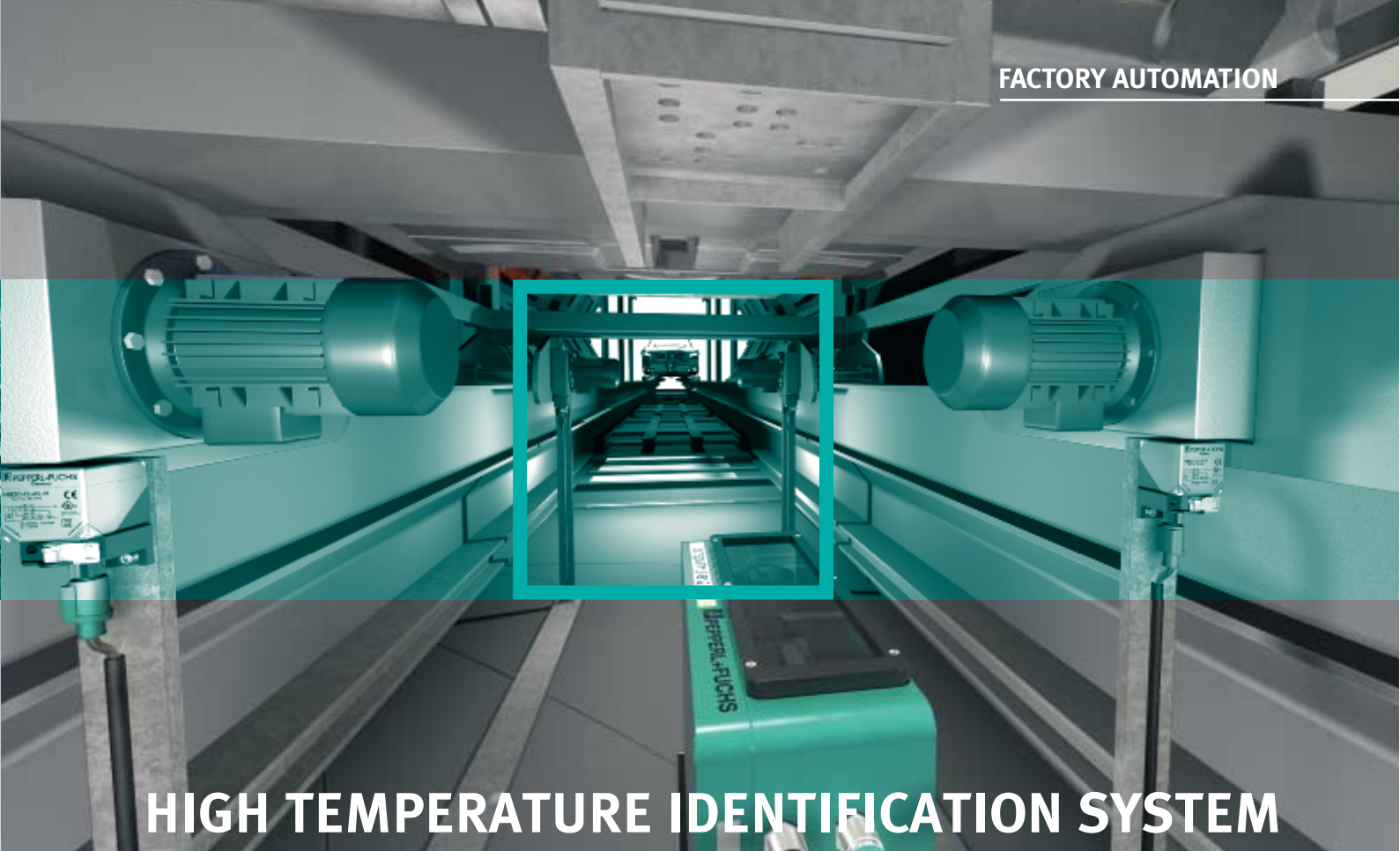




HIGH TEMPERATURE IDENTIFICATION SYSTEM UP TO 500 °C

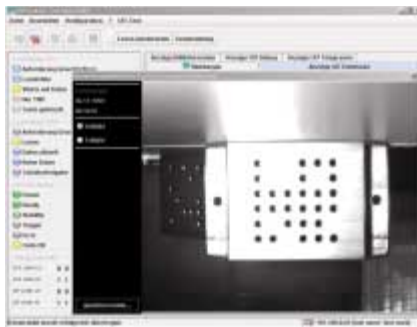


HIGH TEMPERATURE IDENTIFICATION SYSTEM

APPLICATIONS

Identification systems utilizing barcodes or RFID tags are used for the automated manufacture of many products. In certain manufacturing operations, high temperatures are encountered in situations such as, drying, hardening of adhesives and painting operations. These manufacturing steps place heavy demands on RFID tags or barcodes which are attached to panels, components or the like.

In some applications, for instance if the tag is reusable, an RFID solution may be preferred. In other settings, barcode labels or RFID tags must withstand alternating cycles of up to several hundred degrees. For some temperature excursions, electronic components or batteries in an RFID tag are unsuitable for this application.



SOLUTIONS UP TO 500°C

Pepperl+Fuchs offers robust industrial identification systems for a wide range of manufacturing environments and processes and are designed to be suitable for temperatures of up to 500°C.

The OIT product highlighted in this brochure is a direct part marked solution using a two-dimensional code which becomes a permanent part of the product. The symbology can be either an industry standard and recognized Data Matrix code or custom defined (and therefore secure). Using ECC200 Data Matrix standards, the data can be redundant and thus failure-tolerant.

Dirt, or paint do not affect readability, because the contrast is optimized by using integrated infrared lighting.

SPECIFICATIONS

Interface	RJ45 connector for Ethernet TCP /IP network connection 9-pole Harting connector for IO and 24 VDC power supply M12 jack for optional trigger sensor M12 jack for optional separate lighting
Housing	Cast metal housing
Dimensions	260 mm x 170 mm x 90 mm (LxWxH)
Lighting	PCB with 80 high energy infrared LED's
Viewport	Field replaceable, scratch-resistant high-temperature glass

Other connector designs are also available as an option.

ORDERING INFORMATION

OIT200-F113-B12-CB	Reading range of 150 mm to 200 mm
OIT500-F113-B12-CB	Reading range of 200 mm to 450 mm
OIT1500-F113-B12-CB	Reading range of 1000 mm to 1500 mm

A separate lighting unit required for ranges above 500 mm. Connection cable upon request.

YOUR CUSTOMER BENEFITS

- Simple installation and commissioning
- No TEACH-IN and no complicated adjustment required
- Robust, one-piece housing
- Easy commands via Ethernet interface
- Pluggable connections for fast device changex

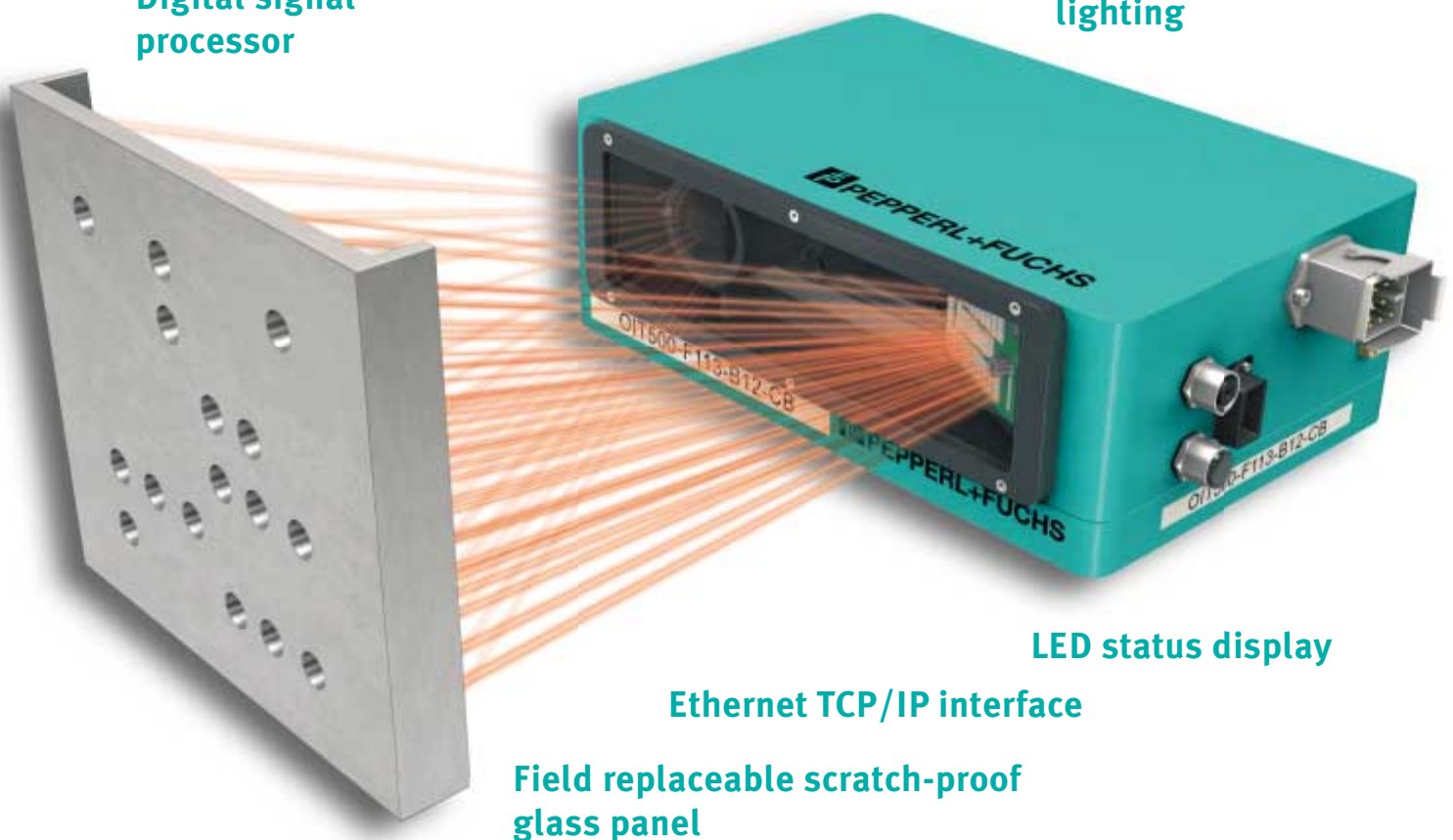
IDENT-O

One-piece housing design
without additional add-on
pieces

Rugged industrial
metal housing

Digital signal
processor

Integrated infrared
lighting



LED status display

Ethernet TCP/IP interface

Field replaceable scratch-proof
glass panel

Completely self-contained.

Adjustable lighting
and working distance

Different working distances available on your
specific application

FACTORY AUTOMATION – SENSING YOUR NEEDS



Pepperl+Fuchs sets the standard in quality and innovative technology for the world of automation. Our expertise, dedication, and heritage of innovation have driven us to develop the largest and most versatile line of industrial sensor technologies and interface components in the world. With our global presence, reliable service, and flexible production facilities, Pepperl+Fuchs delivers complete solutions for your automation requirements-wherever you need us.

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