The global solution for industrial automation

TURCK | BANNER

Automotive

Material handling

Food and beverage

Parking and traffic

Mobile equipment

Pharmaceutical

Energy

Environmental

Chemical industry

Specialists in industrial automation

Turck is one of the leading manufacturers in industrial automation. Founded in 1965, Turck is a family company with a worldwide presence, through 28 subsidiary companies and 60 exclusive representatives offering international support for sales and service.

Turck has been continuously setting standards for more than 50 years with superior products and tailor-made solutions in manufacturing and process automation. The company now boasts a complete range of more than 15,000 products in sensor, connector, interface and fieldbus technology.

Examples of the exceptional innovative qualities of the company are the inductive factor 1 sensor Uprox+, the modular IP67 I/O system BL67 as well as excom, the compact remote I/O system for explosive, hazardous areas.

Banner Engineering is one of the most capable and successful manufacturers of photoelectric sensors in the world. Banner is a family company created in 1966, Banner has partners across the whole world.

The company's motto – A solution for every possible application – is based upon their ability to produce the world's largest range of photoelectric sensors and fibre optics.

Furthermore, Banner is recognised as the leading specialist for machine vision systems, ultrasonic sensors, machine safety, wireless solutions and measurement and inspection technology on a global basis.

As well as their portfolio of over 30,000 products, each year Banner manufactures thousands of sensors uniquely modified for the customer's application.

Turck Banner Ltd is a UK joint venture company owned equally by Hans Turck GmbH and Banner Engineering Corp. Our products are used by manufacturers from automotive to pharmaceuticals, from food & beverages to chemicals, from machine tools to conveyors, from electronics to metals, and by the utility services.

Since its establishment in 1990 Turck Banner Ltd has been highly regarded within the industry for innovative products and responsiveness to customer's needs.

Being an integral part of the Turck and Banner worldwide network of subsidiaries and representatives brings great advantages to our customers on many levels.

Our customers, who themselves have international markets, are secure in the knowledge that their customers will receive the same high level of service and support regardless of where they are located and in their own language. Our domestic customers benefit from our privileged connections, not just with the technical support services within our parent companies but with the engineering, research & design and financial departments. These connections are invaluable particularly within the manufacturing and despatch departments at those times when our customers urgently require less common parts.
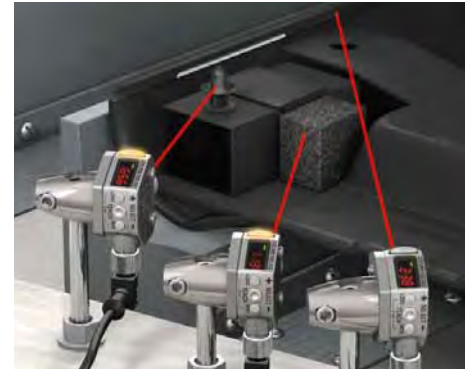
Turck Banner Ltd has a dedicated support team with over 100 years of combined experience who can give instant answers to the majority of questions, or can call upon our worldwide network of support specialists.

Very rarely is a problem or application raised that has not already been solved somewhere in the world. For major projects one of our support teams will lead the project from conception to fulfilment and beyond with after sales support. We also have a team of field specialists, strategically located throughout the country, each with extensive knowledge of one or more industries or product groups. To fully support our products, we offer training either at our purpose built facilities or at our customer's premises.

In 50 years of fruitful co-operation, Turck and Banner have continued jointly to pave the way for future technology. Together we offer the widest range of products in the market, offering a single source solution for both the OEM and the end user and thus maintaining the position of global leader in our field.

No matter what kind of object or material has to be detected or inspected, whatever requirement has to be met, Turck Banner Ltd not only has the right product for every application but also provides unique and comprehensive solutions: quickly, flexibly and reliably. Whether in the fields of mechanical or system engineering, in the automotive, transport & handling, food & beverage or in the chemical industries: Turck Banner Ltd products and services enhance the availability of your systems and ensure the quality of your products.

Detection and measurement

Inductive and Magnetic Inductive

- Compact and robust.
- Long sensing ranges.
- Factor 1 for all metals.
- Extended temperature ranges.
- High level of EMC immunity/EMC Hardened.
- Magnetic field immunity (welding field).
- Analogue output.
- Brackets or clamps for all cylinder types.
- New model for T-groove.

Positioning and measuring

- Measuring light curtains.
- Distance measuring, time of flight and laser triangulation.
- Linear and angular positioning, non-contact inductive encoder technology.

Flow / Pressure / Temperature

- Analogue and switched outputs.
- With or without display.
- In-line or insertion (Flow).
- Precision measurement.
- Temperature: pt100 or infrared.
- Hygienic fittings.

Safety

- Complete range of machine safety products.
- Safety light curtains.
- Two-hand control.
- Safety controllers and relays
- Emergency stop.

Ultrasonic / Radar

- Perfect solution for dusty environments.
- Detection of liquids and transparent objects.
- Detection of moving and stationary targets.
- Ranges from a few centimetres to several metres.
- Analogue and switched outputs.
- Temperature compensation in order to ensure a precise measurement.

Photoelectric

- All detection modes available.
- Distance measuring.
- Colour sensing.
- Clear object detection.
- Fibre optic versions.

Pick-to-light / Lighting and Indication

- Bin picking sequence guidance systems for part assembly and error proofing.
- Smart indicators with multiple colours and flashing options in one light.
- Rugged, water-resistant IP68G or IP69K models available.

Connection and Communication

Connector and industrial interface

- Signal conditioning amplifiers and interfaces.
- Woldwide approvals.
- Splitter boxes.
- Extensive range of industrial cables and connectors.
- Field wireable connectors.
- Fieldbus cables.

Fieldbus

- IP67 and IP20 systems modular remote I/O.
- Multiprotocol communication.
- Human machine interface
- Configuration and diagnostic tools.
- Industrial cables and connectors.
- Food and beverage industry housings and connections.
- Extensive range of accessories: connectors, joint boxes cables, T-pieces, repeaters.

Wireless network

- Industrial system for bidirectional wireless data transmission.
- Analogue data or digital signals.
- Two miles range without repeaters.
- Reliability ensured by the use of frequency hopping spread spectrum techniques, to eliminate possible disturbances.
- Power management with battery options or solar panels for remote installations.

Modbus PROFINET PROFIBUS EtherNet/IP DeviceNet EtherCAT IO-Link

Identification and control

RFID

- Product identification for tracking and traceability.
- Modular construction for ease of integration and expansion.
- Configuration and diagnostic tools.
- Read/write on the fly.
- Standard, high temperature and special tags.

Vision

- Vision sensors and systems with remote controller.
- Single or multi-function systems.
- Geometric tools, dimensional measurement, colour control, barcode reading, OCR & OCV.
- Simple setup and teach modes.
- Extensive range of lighting, lenses and accessories.