



Baumer

Passion for Sensors

Sensor solutions with expertise and passion.



Baumer

Eingang
Anmeldung



Besucher
Parkplatz

«Our technologies facilitate a precise perception of all dimensions.
Therewith we enhance man's feel for a safe and simplified life.» Baumer Group



Baumer

The pursuit of success

Today the Baumer Group is an internationally leading enterprise in the field of sensors and systems. Its origin goes back to the pioneering work of Herbert Baumer, who in 1952 founded Baumer electric, a company specializing in precision mechanics and initially producing microswitches. In 1964 Helmut Vietze took over the management. A visionary entrepreneur, he ventured into the sensor market in the early 70's and transformed this small business into the international Baumer Group. A company policy of sustainability and reliability was the foundation for success and growth.

Now, after more than 60 years, we look back on an impressive success story. At Baumer innovative technology, customer-oriented service and a unique range of products and technology are combined to produce efficient solutions and customer relations based on partnership. That is our commitment to you.

In recent years our sustained internalization strategy has enabled us to successfully establish the impressive reputation we have in our home markets also in Asia and to become a powerful global partner for our customers.

With the traditional Baumer values we shall continue to set standards in both economic and technical terms and preserve our independence as a family business in the future.

Dr. Oliver Vietze
CEO & Chairman

Brief profile

Baumer today

The Baumer Group is based in Frauenfeld (Switzerland) and employs about 2,400 people worldwide, with 38 locations in 19 countries. In the past decades, Baumer has established an impressive reputation as a manufacturer of innovative and high-quality sensors and sensor solutions for applications in factory and process automation.

We offer a broad portfolio of standard products based on a multitude of sensor technologies. Our customers benefit from the comprehensive consultation and reliable service we provide around the world. In close collaboration with them we develop specific solutions with distinct advantages in

«The customer is the focal point of our activity.»

Thomas Ehrat

cost and performance. Our customers benefit from our international development teams, the considerable diversity of our production facilities and optimized business processes, which guarantee maximum flexibility and promptness in the implementation of customer requirements.

The established Baumer corporate culture gives priority to our customers and their needs. Our considerable application expertise, comprehensive consultation by our sales specialists as well as outstanding service make Baumer your reliable partner in the sensor field!



The Baumer Group competence centers

Sensor Solutions

- Baumer Electric AG (CH)

Motion Control

- Baumer Hübner GmbH (DE)
- Baumer IVO GmbH (DE)
- Baumer Thalheim GmbH (DE)
- Baumer Electric AG (CH)
- Sensor Systems S.R.L. (IT)

Process Instrumentation

- Baumer Bourdon-Haenni SAS (FR)
- Baumer A/S (DK)
- Baumer Electric AG (CH)
- Baumer Technologies India Private Limited (IN)

Vision Technologies

- Baumer Optronic GmbH (DE)

Baumer Values

Although Baumer serves very diversified regions and markets, all Baumer staff worldwide adhere to the same core values. Partnership, precision and pioneering spirit are the basis of our universal corporate culture and determine our actions.



We listen to our customers and collaborate closely with them. With an optimal market presence, many solutions result from individual consultation at source. For us no challenge is too big, no detail too insignificant.

Partnership

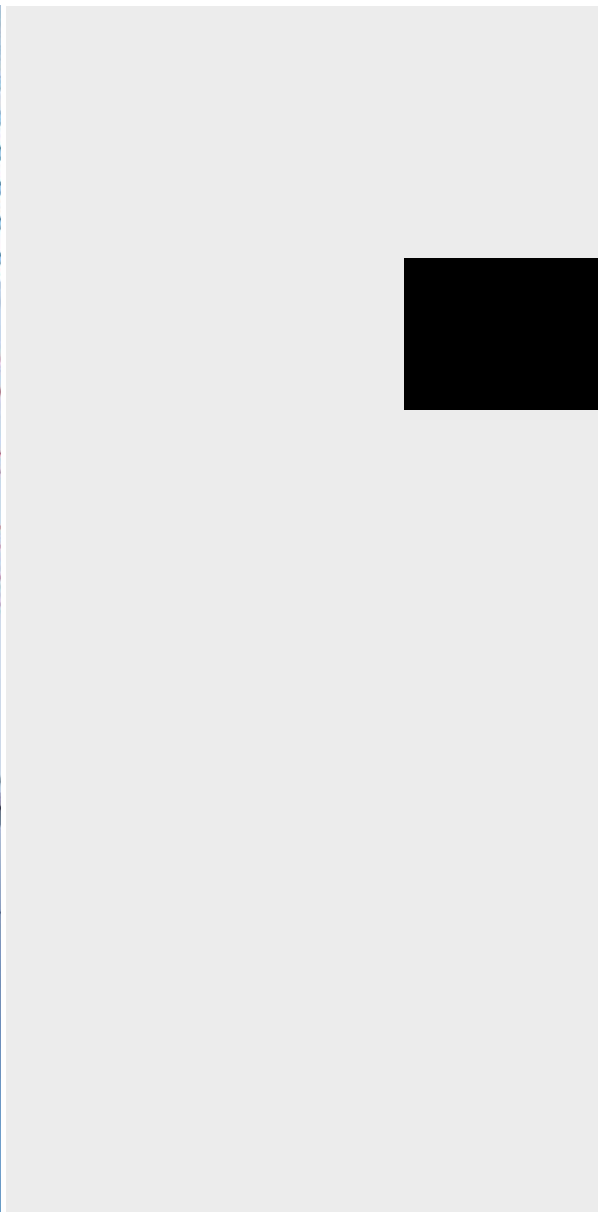
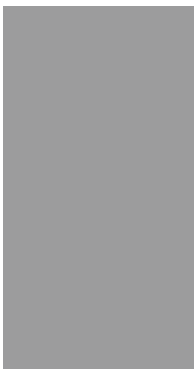
Customer

Precision

Quality has tradition at Baumer. Extreme exactitude and reliability characterize the sophisticated products and solutions devised for our customers.

Pioneering

Our aim is always to be a step ahead of the competition. We anticipate customer needs as well as those of future markets and expand our product program continuously.



Our human resources

People at Baumer

Our staff are our assets, because innovative products and technologies result from the thinking and actions of those people behind them. Baumer subsists on a corporate culture where performance, self-reliant actions and continuous further training play a highly significant role.

We set great store on the importance of satisfied staff, open communication, honest cooperation, respect for one another and leading by example. We provide interesting workplaces in a modern, friendly environment. As a global player we offer our staff attractive development and career opportunities on an international level. We prepare them for today's and tomorrow's tasks by actively promoting and supporting

«I enjoy working for Baumer because the corporate culture convinces me and my personality is respected.» *Maria Abati*

their vocational and personal further development. The furtherance of young people and the investment in their training comprise another important aspect of our human resource policy which we pursue with the utmost vigor.



Innovations

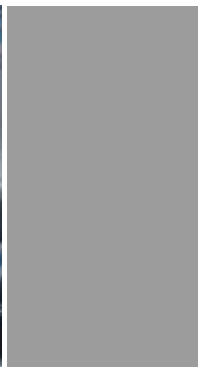
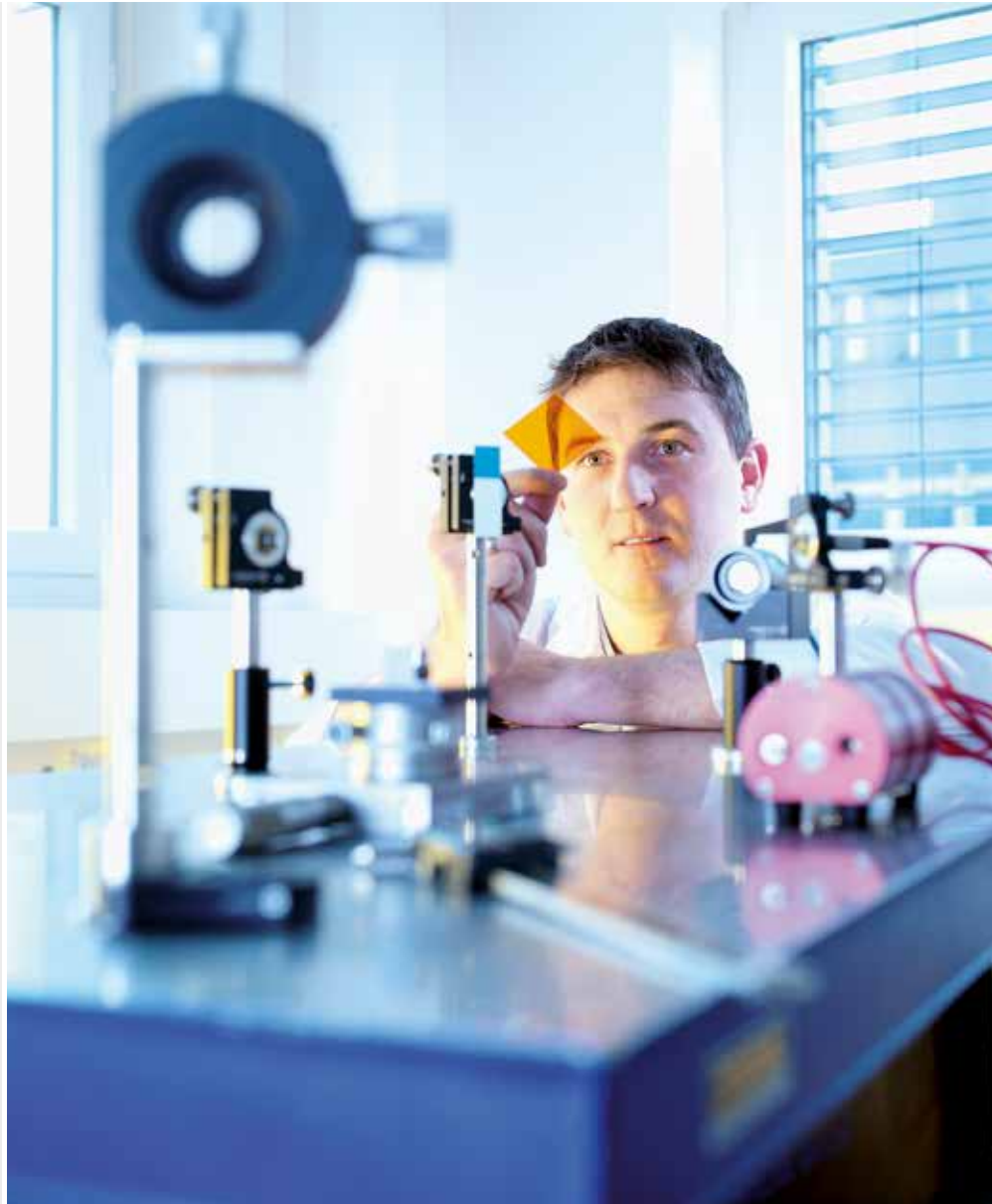
«We don't just talk about innovations, we translate them into products and processes!» Dr. Andreas Glinz



Development at Baumer

The success story of the Baumer Group is heavily marked by innovations. In the past years, many trend setting Baumer products have been brought to the market. Particular attention was given to miniaturization, precision and measuring speed as well as robustness of sensors. These attributes set Baumer products apart.

In order to realize ambitious future targets, Baumer attaches great importance to research and development. Over 12% of our staff, whether hard- and software engineers, designers or process engineers, develop new products and systems. The Baumer development teams are part of an international network and cultivate close contact with research institutions and universities. As one of the technological leaders, Baumer strives to maintain its advantage and to protect its innumerable innovations with patents.





Production

Baumer Operations System

The mastery of all processes is the basis for consistent high quality, reliability, flexibility and economy. In order to meet the demanding expectations of customers, the «Baumer Operations System» is mandatory for all Baumer companies. To continuously improve our business processes we combine lean management methods with Six Sigma to ensure zero failure processes. The aim is to reduce non-value adding processes to a minimum and to eliminate any form of waste-fulness. The goal is to steadily increase value creation through constant reduction of waste. For many years, Baumer's competitive edge has been shaped by the principle of continuous improvement.

«Constant process improvement demarcates Baumer as a reliable partner for the future.» Wolfgang Meyer

«Operational Excellence» in the Baumer Group reflects the Lean Six Sigma methodology by:

- Qualified staff
- Lean, error-free processes
- Quality commitment to our customers
- Reliable adherence to delivery dates
- High flexibility and promptness



Factory Automation

«Baumer sensors keep our customers' installations running day in, day out.» Roger Frei



Baumer sets benchmarks

High demands are placed on sensors in production automation. Properties like precision, reliability, robustness and compact design are crucial factors for the functional safety and economy of an automation solution. Sensors measure, count, sort and monitor. They identify size, position, color, shape or individual objects. They react to force and expansion. They detect and control movement. Baumer develops and produces sensors and provides services which fulfill the exacting demands of diversified sectors. As one of the market leaders, Baumer constantly sets benchmarks, striving to keep the technical edge. In close collaboration with customers, projects are reliably and quickly realized for joint benefit from market advantage.

Innovative sensors and solutions – Baumer is recognized for its claim to excellence in factory automation.



Sectors

- Handling and robotics
- Graphic equipment
- Machinery for the plastics industry
- Machine tools
- Medical equipment
- Laboratory automation
- Semiconductor industry
- Textile machines
- Transport
- Water and energy supply
- Mining
- Storage and logistics
- Wood machining
- Packaging industry
- Drive technology



Process Automation

«Our customers have confidence in the reliability and precision of Baumer sensors and meters.» Patrick Dudler



Baumer assures safety

In process automation, criteria such as safety and reliability are of prime importance. In order to warrant these, precise robust sensors and meters are required to guarantee faultless measurement, control, regulation, monitoring or failure analysis. Many applications are subject to strict constraints. Tight regulations and norms as well as certification of materials for food processing, explosion protection, constant temperature and media control, special process connections etc. must be met and certified. Examples are food, beverage, pharmaceutical and chemical industries.

Baumer understands customer requirements in these sectors. Thanks to extensive experience and ongoing technological further development, Baumer can provide reliable sensors, meters and system solutions.



Sectors

- Chemical engineering
- Environmental technology
- Food and beverage industry
- Pharmaceutical and biotechnology
- Chemicals
- Petrochemicals
- Heating, ventilation, air conditioning
- Water and wastewater treatment
- Energy technology
- Laboratory equipment
- Wind turbines

Position and distance sensors

As your partner in automation, Baumer, with its extensive product portfolio, can offer exactly the right sensor from every significant sensor technology – from a robust to miniaturized version. The unrivaled performance features of our position and distance sensors help to save time and money, even in demanding applications, thanks to easy commissioning and reliable operation – from planning to maintenance.

- Inductive
- Capacitive
- Magnetic
- Optical
- Ultrasound
- MyCom precision switch



Image processing

Detection, inspection, measurement, documentation – automated image processing is finding its way into many areas of industrial production. Baumer was among the pioneers and is now a leader in industrial image processing – whether for high-quality image acquisition components or intelligent vision sensors for quality control.

- Digital cameras
- Intelligent cameras
- Camera modules
- Vision sensors
- OCR and code reading systems





Special sensors

With our compact special sensors, we offer quickly installed solutions for numerous quality assurance and control tasks in which conventional position or distance sensors reach their limits.

- Edge measurement
- Profile sensors
- Vision sensors
- Color and contrast sensors
- Multifunction sensors for special applications



Process sensors

Different designs, communication interfaces and displays allow diverse fields of application. Baumer offers a wide range for continuous or limit level acquisition of process variables.

- Pressure
- Temperature
- Level
- Conductivity



Encoders/Angle sensors

Wherever it comes to acquisition of rotary or linear motion you will encounter Baumer as a leading manufacturer. The sensors provide precise angle and speed feedback at shafts and drives for enhanced control and efficiency in the application.

No matter whether accuracy, robustness, compactness, a specific interface or an industry-specific solution is required: Baumer always offers the right product.

Also known under the Hübner Berlin brand, for decades Baumer has been the global market leader in heavy duty sensor solutions for drive engineering.

- Absolute encoders
- Incremental encoders
- Bearingless encoders
- HeavyDuty encoders
- HeavyDuty Tacho generators
- HeavyDuty speed switches
- Inclination and acceleration sensors
- Cable-pull encoders
- Bearingless linear encoders
- Format alignment



Mechanical process instrumentation

Baumer measuring instruments for process technology provide exact results, even under extreme environmental conditions.

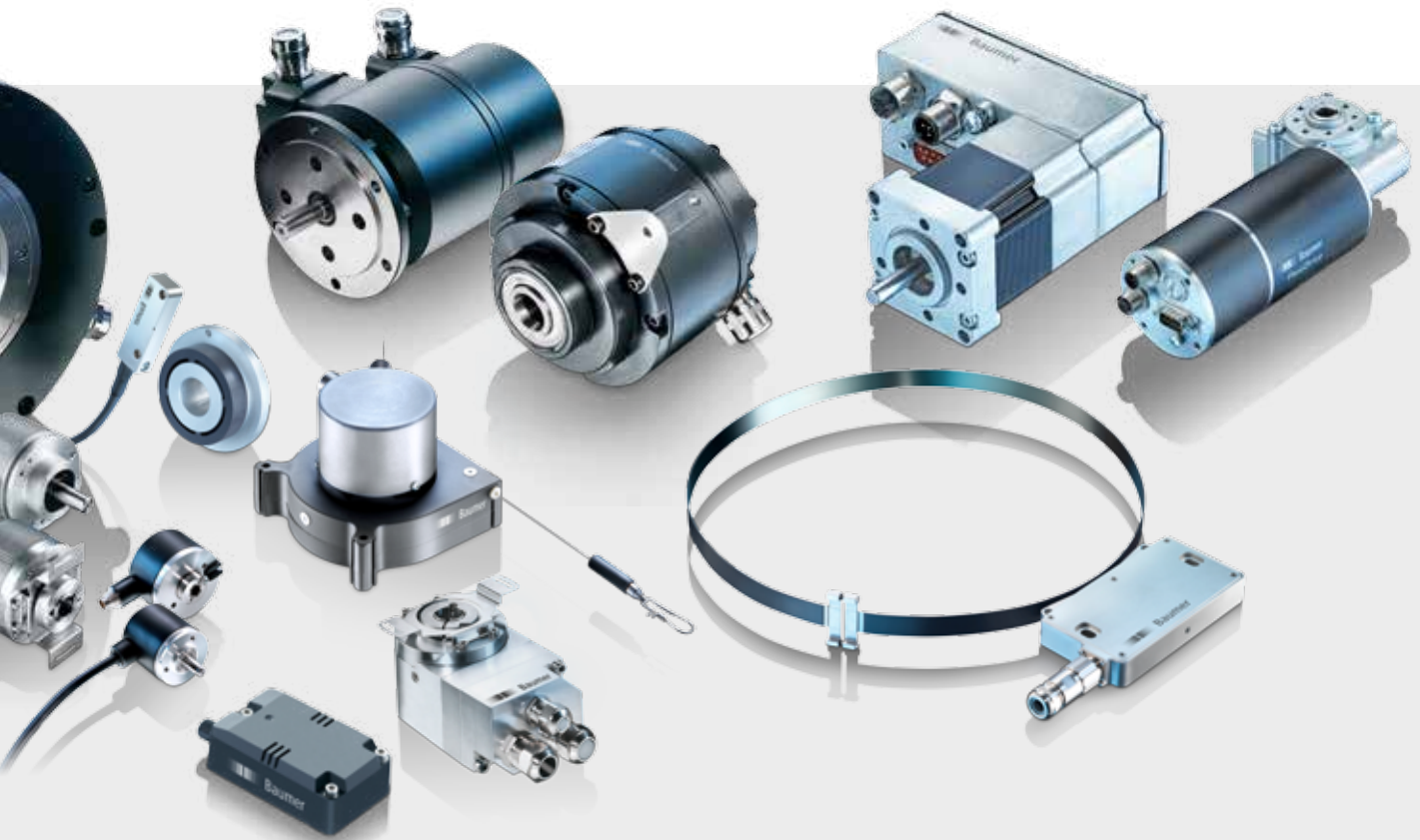
A large selection of materials and internal quality controls meet the strictest demands for accuracy and reliability.

The Bourdon manometers combine proven measuring technology with innovative production methods. With certified products and approvals, Baumer is your reliable partner for contractor business in the oil, gas and petrochemicals industries.

- Thermometers
- Pressure gauges
- Seals
- Pressure switches
- Temperature switches



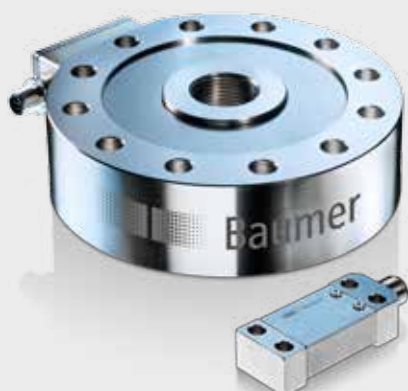
BOURDON
The Original by Baumer



Force and strain sensors

Baumer is the expert for force and strain sensors based on strain gauges and piezoelectric measurement cells. In addition to extensive standard products, Baumer also develops customer-specific solutions for demanding applications.

- Load cells
- Strain measurement sensors



Process displays/accessories

Wherever it comes to evaluation or display of process-relevant variables such as position, quantity or frequency, the displays and counters made by Baumer are the communication link between sensor and control.

Together with the appropriate cable, connector and mounting accessories you save valuable time by quick installation, set up and convenient operation. It's all up to you!

- Counters
- Displays
- Cable
- Connectors
- Mounting accessories

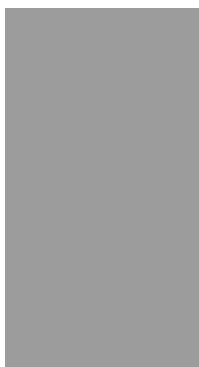




ESA / AOES Medialab

Markets

- Factory automation
- Process automation
- Aeronautical and space technology
- Shipbuilding
- Locomotives, track vehicles
- Mining
- Traffic control



Customized solutions

Baumer, a strong reliable partner

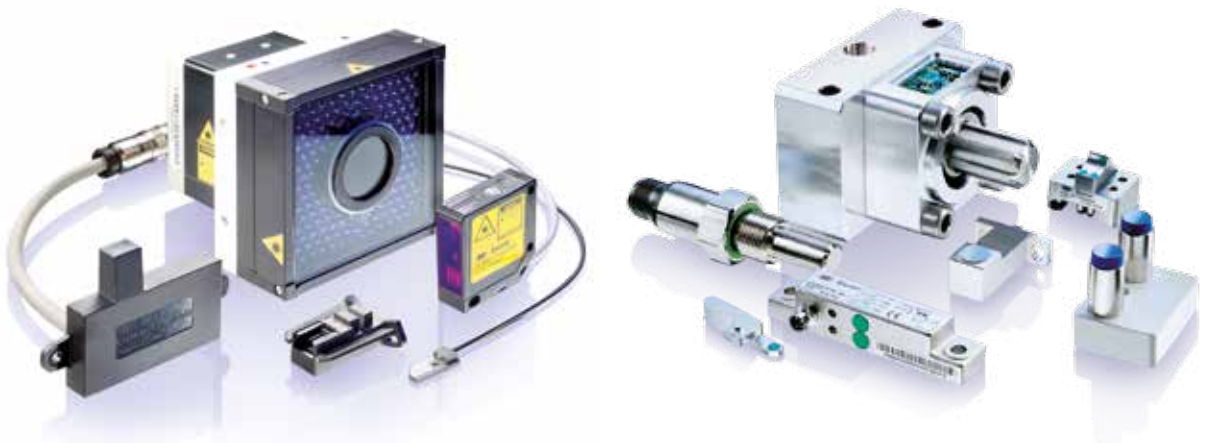
Customer requirements are often so specific that standard components available on the market are either stretched to the limit or do not provide an optimal solution costwise or in performance. Custom-built OEM products – whether simple modifications of standard products or completely special developments of complex multi-sensor systems – are a particular strength of Baumer.

Sales engineers and product specialists from Baumer apprehend the customers' needs on the spot. Qualified technical teams with their worldwide networks develop appropriate



«Baumer has created competitive advantage for many clients with custom-built solutions.» Matthias Sutter

solutions and confer regularly with the customer. Modern simulation and development tools underpin a progressive system design aimed at the rapid transformation of ideas into products. Reliability in project work, as well as compliance with budget and schedules, is taken seriously at Baumer.



International

«Baumer's high worldwide service and quality standard is a decisive factor for our customers.» Zhen Yu Li



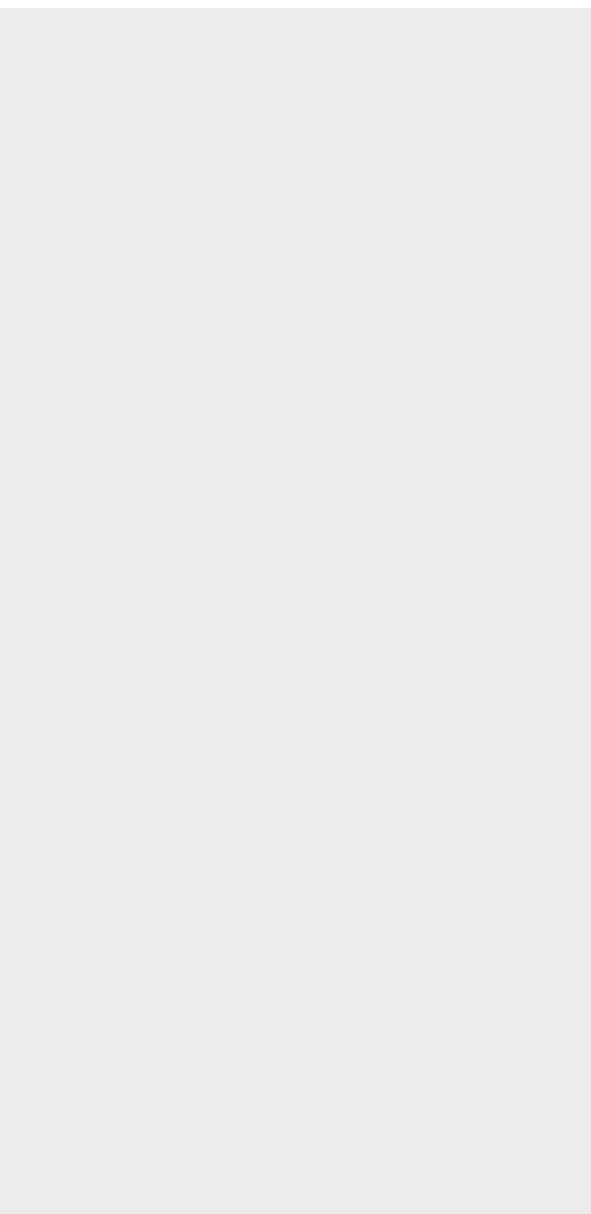
Worldwide presence

We at Baumer like to be close to customers; we listen to them and, understanding their needs, provide the best solution. Worldwide customer service for Baumer starts with on-the-spot personal discussions and qualified consultation. Our application engineers speak your language and strive from the start, through an interactive problem analysis, to offer comprehensive and user-compatible solutions.

The worldwide Baumer sales organizations guarantee short delivery times and readiness to supply. Many of our customers are directly linked via our electronic order system with the JIT logistics process.

A worldwide network coupled with the most modern communication techniques enable us to deliver information quickly and transparently to decision makers in all Baumer locations.

Closeness to the customer for Baumer means being available for your needs anywhere and at any time.



Worldwide presence.



Africa
Algeria
Cameroon
Côte d'Ivoire
Egypt
Morocco
Reunion
South Africa

America
Brazil
Canada
Colombia
Mexico
United States
Venezuela

Asia
Bahrain
China
India
Indonesia
Israel
Japan
Kuwait
Malaysia
Oman
Philippines
Qatar
Saudi Arabia
Singapore
South Korea
Taiwan
Thailand
UAE

Europe
Austria
Belgium
Bulgaria
Croatia
Czech Republic
Denmark
Finland
France
Germany
Greece
Hungary
Italy
Malta
Martinique
Netherlands
Norway
Poland
Portugal
Romania
Russia
Serbia
Slovakia
Slovenia
Spain
Sweden
Switzerland
Turkey
United Kingdom

Oceania
Australia
New Zealand



For more information
about our worldwide
locations go to:
www.baumer.com/worldwide

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Passion for Sensors

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