

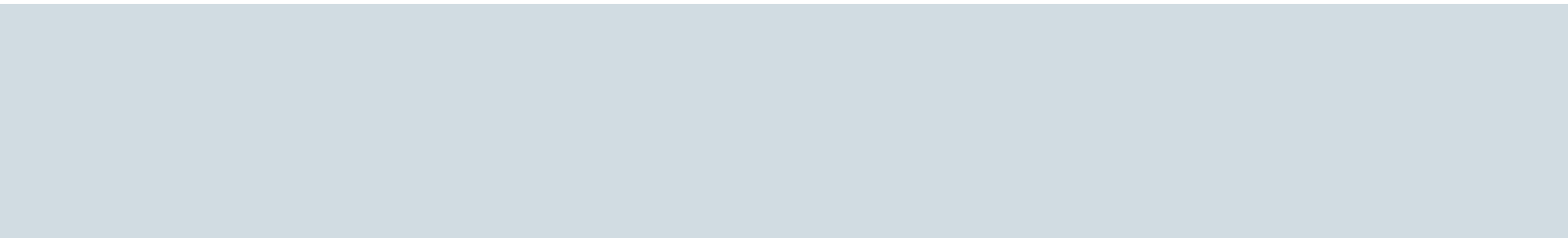
INDUSTRY

LOGISTICS

TRAFFIC TECHNOLOGY

SCIENCE

machine
vision people





Dear Reader,

It is our goal to supply our customers with state-of-the-art machine vision solutions and systems. We have achieved this in partnership with numerous customers over the last two decades since VITRONIC's foundation.

Our motivated team includes 300+ highly qualified employees. Over half of this team are specialists in applied hardware and software design. We develop, design, manufacture and sell industry proven machine vision systems. We invest the same passion in standard applications as we do in major international projects.

A constant stream of customer focused innovations is the basis for our success. We will continue to ensure that you receive from us the technological advantage that you expect.

I invite you to benefit from our more than 20 years of experience in machine vision technology.

Yours truly,
Dr. Norbert Stein
President and Sole Shareholder





VITRONIC at a glance

VITRONIC is a medium-size owner-controlled company. The continuity in its management liberates it from considerations of shareholder value and guarantees that long term goals can be followed. This makes us a reliable supplier to our customers and a reliable customer to our suppliers.

Since the company was founded in 1984 it has grown on the strength of its own resources. We are now represented on four continents and count as one of the world's leading companies in the field of machine vision. VITRONIC's most important value-added factor is its employees. Around the world they ensure that the company meets our customers' individual requirements. Over half of them are highly qualified specialists with a university degree.

Our hardware and software teams develop state of the art products that provide the highest possible benefits to our customer's businesses.



What we do

We cover an entire spectrum, from standardized products with customer-specific modifications to fully customized solutions. We have solutions for most machine vision applications. Our solutions are designed, developed, produced and marketed by ourselves. This enables our customers to obtain turn-key systems that include both hardware and software entirely from one source.





Industry

Together with our customers we work on optimizing the quality and profitability of industrial manufacturing. Our machine vision systems “visualize” and measure in two and in three dimensions, check quality, monitor production process, and make automated handling possible. We supply machine vision systems to a very wide range of different industries, from automotive manufacturers to solar cell producers, the pharmaceutical industry and others.

Logistics

Our customers in the fields of material flow, parcel logistics, warehousing and mail-order companies have a growing need to optimize their logistic processes. The basis for this is automated data collection relating to products, parcels, and customers. This also includes identifying addresses (OCR), bar codes, 2-D codes, and customer-specific codes as well as the online measurement of the volume and weight of a consignment. Using this information it is possible to effectively optimize internal sorting, storage, distribution and even revenue recovery processes.



Traffic Technology

Our core competency in the field of traffic technology is monitoring vehicles in free-flow traffic. City administrations, government agencies, and private sector companies are contributing to greater road safety by using VITRONIC’s advanced technology. Operators of toll systems use our technology to automate the collection and enforcement of tolls.



Science

Since the company was founded we have been pioneers of new machine vision technologies and applications. One example of this is the body scanner. Initially developed for a sculptor, it is used nowadays to produce tailor-made clothing and to acquire individual dimensions for human biometrics. VITRONIC invests more than 10 percent of its total revenue every year in research and development.



Consultancy

More than two decades experience in machine vision and technology for a wide range of industry sectors form the basis for our consulting competence. Initially we analyze our customers’ requirements, then define and propose customized solutions. The understanding of our customers’ needs is the basis for our long term partnership relationship with our customers. We would be pleased to assist with your requirements as well.

Our customers

... have confidence in our capabilities. We speak their language, irrespective of their size or type of business. Our customers include small to medium-sized enterprises, multinational companies and government agencies. We understand their requirements, and we meet them. We have built this confidence by doing ground-breaking work, and as one of the first companies in the field of industrial image processing. We have always kept a firm eye on our customers' success.

Our mission

We do everything possible to constantly improve our services. The basis for this is our willingness to invest heavily and embrace change throughout the entire company. More than half of our products and systems are less than three years old. We have a wide range of diversified and leading edge industry projects utilizing on our long and successful R & D experience.

The quality of our systems and products is the core in our success. As one of the first machine vision companies, VITRONIC's certification to DIN EN ISO 9001 was already achieved in 1996 (today: DIN EN ISO 9001:2000). TÜV Hessen has regularly certified VITRONIC as having a well above average quality management system.





Milestones

1984 Norbert Stein, who holds a doctorate in engineering, founded VITRONIC in Wiesbaden

1985 VITRONIC develops the **first optical navigation system** for automated guided systems; the technology is already as reliable that it allows fuel rods to be transported without a driver in a nuclear reprocessing plant

1986 The first camera-based **barcode reading systems** available in the market. Barcodes are identified on industrial containers in a rugged chemical environment using VITRONIC technology

1989 VITRONIC develops a combined **2-D/3-D depalletizing system** for an automobile manufacturer

1990 In Australia VITRONIC's systems **measure** aluminum ingots **three-dimensionally**

1991 Collaboration begins with General Motors' German subsidiary Opel in the field of **autonomous vehicle control**

1992 VITRONIC delivers the **first color machine vision system** to Volkswagen in Kassel to inspect assembly work

1995 VITRONIC develops VITUS pro for **three-dimensional human measuring**

1996 The city of Offenbach uses the first PoliScan system for **automated wet-film analysis**

1997 UPS' largest european distribution centre in Frankfurt, Germany, uses VITRONIC technology for **parcels identification** including first video coding systems for parcels weight and combined volume systems

1999 **VITRONIC Ltd. is established** in Louisville, KY. The world's largest UPS Worldport uses more than **200 VITRONIC Identification systems**

Amcors Flexibles takes delivery of the **first web inspection system**

2000 VITRONIC delivers and installs the TollChecker prototypes for **checking highway tolls** in Germany

2002 **Welding seams** are inspected **three-dimensionally** for the first time in the automotive industry with VIRO^{WSI}

2003 VITRONIC delivers all **300 control points** for the world's most prestigious satellite-based highway toll collection system for heavy weight trucks in the world

A 360°-round sensor reads lettering on the jacket surfaces of pharmaceutical closure caps – with only one camera and no moving mechanical parts

2004 VITRONIC delivers more than **1,000 parcel identification camera systems** in one year

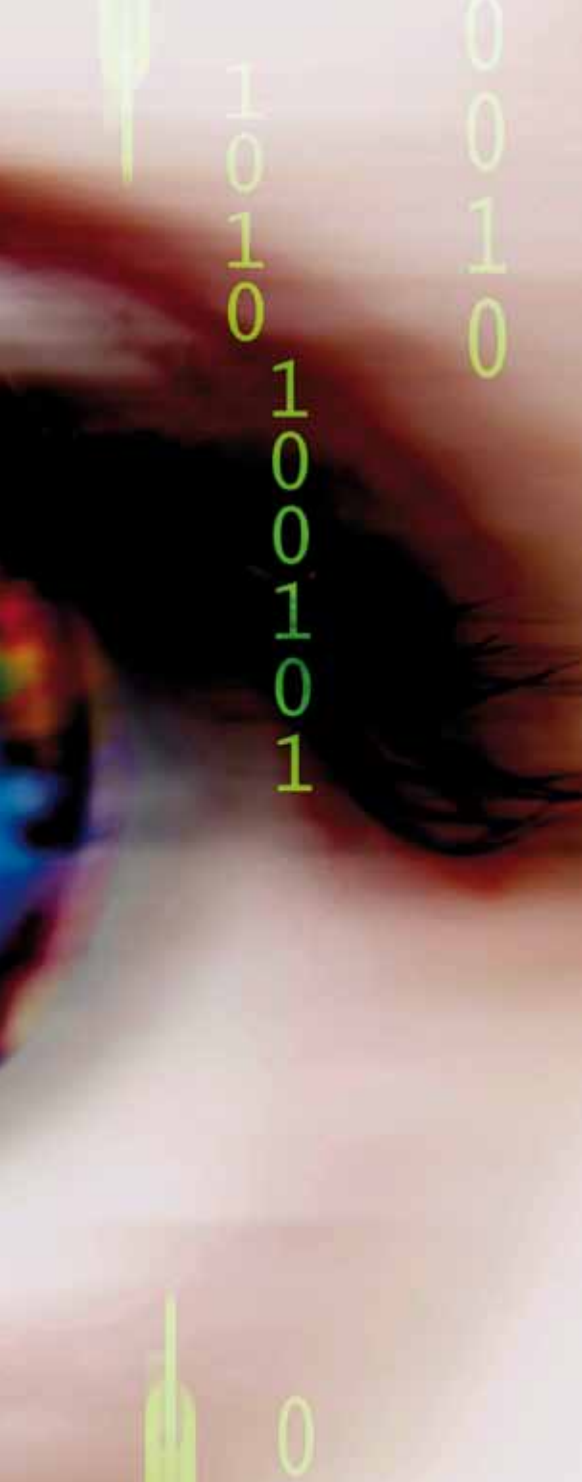
2005 Dr. Norbert Stein receives the "**2005 Entrepreneur of the year**" award

2006 The Federal Physical-Technical Institute (PTB) in Braunschweig **certifies PoliScan^{speed}**. The first laser based speed enforcement system using digital technology measures and documents in free-flow traffic
VITRONIC is now represented on **four continents**



Our commitment to training

VITRONIC has set itself the task of gaining the enthusiasm of young people for the sciences and machine vision from a very early age. We have therefore committed ourselves to various school projects, and provide apprenticeships to young people year after year in a large variety of different professions. In addition, we constantly enable interns and post-graduate students to gain practical experience with us. Dr. Norbert Stein also teaches at the Technical University of Karlsruhe.



Our future commitment for you

The human eye is, and will always be, the focal point of VITRONIC's corporate identity. We will continue to analyze the application areas for the human organ for sight, and will transfer this knowledge to applications in the private, public, and corporate fields. To enable us to continue to successfully follow our goals, we aim for continuity in corporate management and sound company growth.











We will further extend our leading market position in our fields of business on the basis of a high level of technical competence, focusing on customers and intensive R & D. Together with our customers, we will automate fields that today appear to be incapable of automation.

VITRONIC worldwide

We are here for you today, on five different continents.
Please contact us: we have solutions to your challenges.
For a list of all contacts see www.vitronic.com



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