

COMPANY OVERVIEW





SOFTWARE

Combining software expertise with application integration we offer a unique service in the machine vision industry – that of vision system manufacturer and vision system integrator – giving us unparalleled expertise and experience in vision technology for automated quality control. As the provider of the leading NeuroCheck machine vision software and developers of digital camera technology we have a reputation for setting the machine vision technology benchmark.

Our system NeuroCheck is a standard Windows based application software package for machine vision. It requires no traditional programming knowledge to use, and thus can be applied by almost any level of personnel. Solutions can be realised in a matter of minutes, and the system easily maintained by shop floor operators and technicians.



Our vision solutions are proven in industry, with thousands of systems in use around the world. With clients returning time and time again, research and development continuing year on year and glowing client testimonials, our record speaks for itself.



APPLICATIONS

The diversity of our skills is second to none, making our total offer one of the strongest around, combining machine vision software with vision system integration, training and support. With vision software engineers, a sophisticated design team, highly focused installation and commissioning engineers and an accomplished project management team, it's no wonder IVS has become a world class resource for machine vision innovation.

Our specialist capabilities include:

- Single & multi camera off-the-shelf solutions for automated inspection
- Retro-fit vision system solutions to already established lines and cells
- Complete bespoke machine builds for automated inspection
- Custom OEM development of unique vision inspection requirements
- Validation of pharmaceutical vision system installations
- Machine vision training and support

We work as an efficient international partner to all our global blue-chip customers.



We offer the latest generation digital camera technology including Firewire and GigE support with plug and play capability.



Industrial Vision Systems Ltd – Innovative Vision System Solutions

In the past ten years, our NeuroCheck software platform has established itself in the market as the leading visual inspection system for industrial manufacturing. NeuroCheck is the integration platform for all branches of industry and all application areas of image processing.

A competent team of experienced image processing experts assists our customers in realizing their needs. From feasibility study to planning and start of operation, you work with a single partner. Our company's services comprise consulting, technical support, and a comprehensive training program familiarizing the participants with the full range of the application capabilities of our machine vision solutions.

As a systems house, we create synergies from software development and application experience which benefit both parts of our company and thus also our customers to a high degree.

Industrial Vision Systems Ltd headquarters are close to Oxford in the UK. With our sister company NeuroCheck GmbH in Stuttgart, Germany and partners in more than 10 countries, we operate as an efficient, international partner for industry.

“We are proud to say that every day millions of components, sub assemblies and parts manufactured around the world are inspected automatically using our solutions...”

Mr Christian Demant

Director Industrial Vision Systems Ltd.



Our Experience

Passionate, driven and respected, the elite engineering team at IVS expect only the best from themselves and each other. Working with us means drawing on the experience of over 30 vision engineering specialists from the UK and Germany with an extraordinary range of expertise in machine vision technology.

Our system NeuroCheck was born out of the need to create an efficient, easy to use platform for vision system integration for factory wide deployment – this was the initial goal when developing the first version of NeuroCheck back in 1993.

Since that time we have continued to invest in research and development with each new version drawing on our own experiences in application integration through our unique position of providing software and application solutions.

Our systems provide universal image processing solutions for industrial quality control in manufacturing. Our system benefits include:

Flexibility

Our solutions offer a flexible approach to machine vision by offering all industrial image processing, control and data output under the one software package.

Interactive

The graphical front end provides interactive, quick development with real-time feedback from the system through our unique manual and automatic modes of operation. The latest generation of NeuroCheck software provides touch screen technology support.

Scalable

All our systems can accommodate multiple cameras with multi-inspection criteria. The system can easily be extended in the future to increase quality checks or to dynamically change the inspection levels.

Integration

Our systems can integrate seamlessly into any manufacturing environment, with built in PLC protocols, I/O, Ethernet, Profibus and Devicenet as standard – automatic control can be set-up quickly and efficiently.

Extendable

The integrated plug-in environment means the software can be extended for new or specific functionality required.

IVS – Application Areas

Industrial Vision Systems Ltd is a major supplier of machine vision products, services and peripheral vision equipment. Our solutions can be used in hundreds of application areas including

- Presence Verification
- Gauging and Measurement
- Character and Pattern Recognition
- Print Inspection
- Robot Control
- Barcode and 2D Code Verification
- Surface Inspection
- Colour Analysis & Recognition

We work in a diverse range of industries including automotive, pharmaceutical, electronics, food, printing, packaging and engineering. We have a range of solutions from our large stand alone custom machines, through to our quick-to-integrate smart camera solutions.

Our clients include end users, systems integrators and OEM's. From the manufacture of special purpose machines incorporating automated visual inspection using multiple cameras, to the retrofit of vision systems to current production lines and cells, we have the expertise to provide complete machine vision solutions.



Our Clients:

AB Automotive, ABB, Adam Opel, Agilent, Alfing, Amatech, Anton Haring, AUDI, Arburg, Bader, Bartec, BD Medical, Beru, Bippus, BMW, Boehringer Ingelheim, Borg Warner, Braun, BSHG, Bundesdruckerei, Cherry, Conergy, Continental Teves, Cumbrian Seafoods, Daimler, Danfoss, Delphi, Eaton Automotive, EMAG, Estee Lauder, Ford, GE Healthcare, Getrag, GlaxoSmithKline, Grob, Harwin, Heidelberger Druck, Huf, Ing. Erich Pfeiffer, Johann A. Krause, John Guest, Johnson & Johnson, KHS, KIA Motors, Klumpp, Kodak, Komax, Krauss-Maffei, Kubat, KUKA, Lem Heme, Leuze electronic, MAHLE, Marquardt, Meridian, Motorola, Nacam, NDE, Nokia, Otto Fuchs, Nissan, Owen Mumford, PepsiCo, Panasonic, Pfuderer, Philips Lighting, Polypipe, Powergen, RPC Formatec, Riwisa AG, Robert Bosch, Sarstedt, Schaeffler, Scheuten Solar, SCHOTT Glas, SCHOTT Solar, Sembach, Semikron, Sieghard Schiller, Siemens, Sigpack, Solar-Fabrik, Sortimat, STIWA, Stoba, Teamtechnik, THIEME, TRW Automotive, Tyco Electronics, United Springs, Vertu, Vistakon, Volkswagen, Walter, Winkelmann, Wrigley Company, Ypsomed, ZF Lemforder, ZF Lenksysteme



Support

We offer a range of support packages to suit our international blue-chip customers. We provide free software support for the lifetime of use on all NeuroCheck systems. We also provide on-site around the clock support when required, as well as planned visits for calibration, integration or commissioning of systems.

Training

Competent users guarantees lasting success for any vision system installation. Industrial Vision Systems Ltd supports users with carefully designed training programs for optimal operation of the inspection system. These include:

- **Basic Machine Vision Training.** Designed as an introduction to machine vision technology and our NeuroCheck system.
- **Operator Training.** Normally completed on-site for shop floor technicians this includes the basic functions of the system, maintenance and on-going support.

- **Advanced Machine Vision Training.** Designed for engineers who wish to understand the more complex functionality and communication available from our systems.

Quality Control

We operate under the concepts and philosophies of Total Quality Management and are dedicated to continual improvement in all phases of our business (both technical and administrative) in order to better serve our customers, employees and the community in which we live and work. The overall Quality Mission of the company is to ensure that all products, services and technical support provided to our customers are of the highest level of quality attainable and shall provide for the customer a safe, cost effective and assured technical advantage.

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