What was once a spin-off from the Technical University of Darmstadt has since become an international pioneering supplier of Machine Vision systems: A global leader with more than 30 years of expertise, ISRA now employs more than 700 staff at 25 locations around the world.

Machine Vision Technology from a Global Market Leader

Major international industry players place their trust in ISRA. Our core competence involves the development of surface inspection systems and 3D Machine Vision products. Over 10,000 successfully installed systems throughout the entire world give clear evidence of our technological leadership. With innovative solutions, we supply the answers to the various quality and processing demands of global players.

ISRA systems consist of the most advanced components developed in-house. The combination of high-performance camera and illumination units, specialized software and business intelligence architecture allows for detailed analysis of production flows.

Finding the best solutions for our customers is what distinguishes ISRA in the marketplace. This is made possible by an intensive dialogue: From the consulting meeting to the development stage through to the integration of the system and subsequent support services, we stay in close contact with our customers.

ISRA is listed on the stock exchange (ISIN: DE 0005488100) with a solid equity ratio of more than 50 percent, continuous growth ratios in the double-digit range and with annual sales of approximately 120 million euros. This makes us a solid and stable partner for the future. With corporate success comes great social responsibility. ISRA is fully aware of this: All corporate activities are performed with due consideration to the highest bench-marks in ethical, social and sustainable standards.

Foundation of ISRA VISION as a spin-off of the Technical University of Darmstadt

1985

Surface inspection novelty for nonwoven products

1988

The first contour-based Robot Vision system for the automotive industry

1990

New technology for the flat panel display inspection

1991

Innovation award: 3D photogrammetry system

1994

3D Stereo Robot Vision system innovation

1995

Innovation award for high-throughput robot system for pharmaceutical screening

1999
High-end solutions for highly complex tasks

Surface structures in the nanometer range, large web widths and speeds of several thousand meters per minute: State-of-the-art production can no longer compete without advanced technology. Industrial image processing plays a major role in maximizing performance. It offers solutions for the challenges of tomorrow and makes efficient automation possible in the first place: Optical systems inspect quality, control process flows, identify components, read codes and supply valuable data to optimize production. With the help of 3D Robot Vision applications, they allow the robot arm to determine the exact spatial position of components and to coordinate its movements accordingly. ISRA Machine Vision includes a wide range of expert solutions. Our highly developed technologies provide the capability to improve value creation in every process step and to achieve optimum yields. They ensure an efficient automated production and at the same time help to lower scrap rates and manufacturing costs. This prevents expensive recalls, product liability cases and damage to a company’s image. Users gain a decisive advantage over the competition.
Best performances in all technology disciplines

ISRA is able to realize highly efficient robot guidance with 3D STEREOGRAMMETRY:
Cameras of varying angles allow depth reconstructions for precise robot arm positioning.

As a specialist for 3D POINT CLOUDS, we use the latest detection algorithms as a means to extract 3D object positions as well as measured data from sensor-generated depth-maps.

Whether 24,640 pixels at 1.3 GHz or 50 mega-pixel surface sensors: Our state-of-the-art CAMERA TECHNOLOGY uniquely integrates the future.

Exclusive LED ILLUMINATION is essential for high-end Machine Vision solutions. Technologies such as Multi-Mode, Combi-Mode and UV or IR ensure precise detection and classification.

Our many years of expertise in EMBEDDED ARCHITECTURES as a requirement for high-speed applications includes the integration of vision processors and FPGA structures.

With 30 years of experience in 2D AND 3D METROLOGY, ISRA offers solutions for measuring tasks down to the µm range based on advanced algorithms.

The ISRA-developed PHASE MEASURING 3D TRIANGULATION enables the resolution of the finest three-dimensional surface structures within seconds - both for positioning and for analyzing purposes.

COLOR MACHINE VISION competence is another technological key for complex applications where color fastness at high web speeds plays an important role.

HIGH-SPEED DEFLECTOMETRY is ISRA’s latest innovation for highly precise 3D measuring of reflective surfaces.

With integrated lighting, vision processor, precise optics and the highest speeds, ISRA offers the ideal SENSOR DESIGN for the best possible results in any application.
As an innovation leader in the fields of 3D Machine Vision and surface inspection, ISRA has a high degree of expertise in every single technology. Each element of this portfolio can be combined. Thus intelligent solutions are created for the specific demands of different industries.

With its pioneering efforts, ISRA has established 3D ROBOT VISION as the standard technology for robot automation with six degrees of freedom.

Textured and structured surfaces require special pattern recognition technology for in-line high-speed analysis: PATTERN RECOGNITION

SURFACE INSPECTION is extremely demanding, requiring the right combination of technologies - lighting, detection, classification and metrology.

DEFLECTOMETRY is another core technology aimed at performing surface analysis to measure defects in reflection in the µm range.

With its core competence in 3D MACHINE VISION ISRA accelerates extraordinary efficiency improvements in different industries.

One of the most demanding inspection components is CLASSIFICATION: a highly cognitive performance integrated within SRA systems.

Griound-breaking PHOTOLUMINESCENCE imagery methods for solar wafer inspection pave the way for whole new possibilities of measuring efficiency in the photovoltaic industry.

With its core competence in 3D MACHINE VISION ISRA facilitates extraordinary efficiency improvements in different industries.

Precise MICROSTRUCTURE ANALYSIS based on innovative lighting and sensor technology enables the detection of defects in semiconductor electronics and microelectronics.

ONLINE-MOIRÉ TECHNOLOGY is a patented method that is used as today’s standard for float glass inspection in almost every production line around the world.

Unique algorithms for CONTOUR-BASED OBJECT DETECTION ensure robust object positioning even in rough industrial environments.

ISRA’s WHITE LIGHT INTERFEROMETRY is a new standard in the industry that expands the limits of highly precise surface characterization in the µm range.

The DETECTION OF SURFACE DEFECTS, which in part continues to expand the limits of what is even possible, has made ISRA the global leader in Machine Vision.

Complex mathematical methods are used to generate surfaces from 3D point data for RE-ENGINEERING AND RAPID PROTOTYPING.

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ISRA’s WHITE LIGHT INTERFEROMETRY is a new standard in the industry that expands the limits of highly precise surface characterization in the µm range.
ISRA offers many different options to achieve individual customer goals. The scope of our portfolio starts with quickly available standard products that can be used flexibly in any industry.

Our technologies are specifically designed to increase productivity and efficiency. Which solution will be used depends entirely on the individual demands of our customers.

ISRA offers flexible standard products for many different tasks. They are based on broad technological know-how and can be easily adjusted to specific needs.

The „Plug & Automate“ and „Plug & Inspect“ product families greatly facilitate integration into production lines. OEM partners, system integrators and operators can quickly complete the integration on their own and put the system into operation. There is no need for expert knowledge or programming skills – the technologies can be easily adjusted to the individual demands and integrated into the respective technical solutions.
We develop customer-specific solutions for applications with particularly high performance requirements. We apply many years of experience as well as a high degree of industry and integration expertise. Together with our customers, we break new ground toward uniquely tailored systems: From the design phase, to prototype development through to project training and servicing, we are in constant communication.

Whether a generic standard application or an individually customized complete system for high-end applications – our seamless range of products focuses on economical solutions making users even more competitive and more productive. Conclusion: ISRA is an international partner that gears technology toward the requirements and demands of its customers, offering solutions for new application areas with a global reach.

We gladly accept the challenges of highly complex tasks: Working hand in hand with our customers, ISRA designs applications for specific problems that bring about unique solutions to the most demanding requirements.

... to customized high-end systems
High technology for industries of today and tomorrow

Automotive – The worldwide industrial standard, used by international premium manufacturers along the entire production chain

Metals – 100 percent data quality with trend-setting, multi-level classification technology and excellent defect recognition

Plastic Film & Sheets – Detection of even the finest defects in the µm range – the invisible becomes visible

Nonwovens – Highly reliable identification of the smallest defects, even at speeds exceeding 1,000 meters a minute

Print – From the PDF to the folded box: 100 percent inspection of printed image and material surface

Industrial Automation – Solutions for automating highly complex tasks in the most important applications in industrial production

Tissue – Significant increase in production efficiency with the most advanced inspection

Composite Products – Our important contribution to safety in automotive and aviation traffic and wind power

Glass – The most complete and worldwide unique inspection program for glass

Pulp & Paper – A combination of integrated surface inspection and web break solutions for better production efficiency

Solar – Geometric control, color analysis and coating monitoring with accuracy levels down to the µm range: from wafers and cells up to modules and thin film

Flat Panel Display Glass – Quality inspection in every processing step from the raw glass to the final product

Packaging – Extensive quality inspection including color monitoring for various packaging materials and further processing steps

Security Foil & Paper – A sign of confidence: Over 80 percent of bank note paper in circulation around the world today is inspected by ISRA systems

Semiconductor & Electronics – The combination of 3D technologies and high-resolution 2D measuring methods to assure quality within industry-compliant cycle times

Yield Management – Business intelligence software to supply all available production-relevant data in concentrated and clearly laid out form
Through ISRA's systems, 3D Machine Vision has been established as a global industrial standard. Our technologies allow robots to maneuver in six degrees of freedom. This paves the way for automated production to an unprecedented level of efficiency. Welcome to the age of automated automation!

Our Robot Vision applications make robots considerably more powerful. Thanks to ISRA technology, they can react flexibly to their environment: The system detects the spatial position of a work piece and adjusts the work flows to specifically match it. Highly complex handling, assembling and machining processes can be automated quickly and efficiently.

Wherever the exact object location is relevant for smooth production flows, we offer options for fast and highly precise positioning. ISRA applies contour-oriented algorithms in order to detect the features used to position a component.

ISRA's compact 3D sensors guarantee the best possible dimensional and fitting accuracy for the highest flexibility requirements. They allow the three-dimensional gauging of work pieces to ensure gap and flushness even during movement. The measuring process is extremely quick and is completed within the production cycle. Results are highly precise to the tenth of a millimeter.
Our standardized 3D “Plug & Automate” product portfolio offers solutions for 3D robot guidance, 3D in-line gauging and 3D form definition. The innovative technology can be put into operation quickly and easily. No expert knowledge is required to do so. Thus, “parameterizing instead of programming” becomes the mission statement of highly efficient automation projects of the future.

In many areas, up until now integration has been considered too challenging and complicated. ISRA has managed to impressively prove the exact opposite: For every application from 2D to 6D, there is an easy-to-use product consisting of sensor and software. This includes ground-breaking solutions such as the algorithm-based 3D detection of an object’s position and orientation using only a single sensor and intelligent “bin picking”: This application enables the highly flexible removal of unsorted components from bulk containers.

The sensors are either stationary or mobile and offer the highest degree of accuracy, even for large components. All common robot and automation architectures are supported: The systems feature every important communication interface relevant for connection within Industry 4.0. ISRA’s philosophy makes 3D Machine Vision an interesting option for new industries. With “Plug & Automate”, users themselves have the opportunity of automating processes with high efficiency.
How can complex 3D robot guidance tasks be implemented intuitively? ISRA's innovative standard product portfolio offers the fast and easy solution: No expert knowledge is needed to integrate the technology yourself. The modular designed systems are individually scalable, thus ensuring the highest level of flexibility on the factory floor.

Precise standard measuring systems for more reliability in production

With non-contact optical 3D precision measuring technology, ISRA is introducing an entirely new perspective in the realm of industrial quality inspection. Highly accurate measuring instruments offer ultra-fast 100 percent inspection directly in the production line. The technology is based on optimized 3D methods such as phase measuring deflectometry and white light interferometry. They make surface structures visible during even the slightest measuring uncertainty, as well as on rough, reflecting and curved objects.

The systems are available as standardized products with an intuitive graphical user interface. This gives even users without previous experience an easy start into non-contact measurement and recognition of objects and surfaces.

The technology is suitable for precise measurements under laboratory conditions, but also for in-line quality inspection during production in industrial manufacturing environments. Developed for extremely fast applications, our measuring systems achieve cycle rates of well below one second and measurement uncertainties of below one µm.
Our 3D sensors enable the fully automated assembly of components. They use flexible BestFit manufacturing processes to do so: The 3D vision system determines both measurements of the raw product and geometry of the component to be mounted. It also defines the ideal installation position. This makes it possible to achieve the highest fitting accuracy for all components – no matter what shape, color or surface characteristics the parts have. Refinishing is therefore unnecessary.

The technology is based on smart ISRA sensors that work as an entirely stationary application or mounted onto the robot. They combine the exact position determination of any free-form surface with precise 3D gauging possibilities. With their compact design, they can be flexibly integrated in existing production lines.

3D assembly according to the BestFit principle ensures fast, flexible and cost-efficient production with increased quality and throughput.
Exactly determining the spatial position of even large objects is easy to realize with ISRA technology, making fast non-contact 3D measurements possible: 3D Robot Vision applications link the information of multiple camera systems using stereogrammetry or photogrammetry. The setup is adjustable at will. Even an installation outside of the robot’s working area is possible. Only three features are needed to determine the position of the workpiece to the exact millimeter in all six degrees of freedom.

ISRA technologies determine the exact six-dimensional position of the object so that it can be machined by the robot with the highest precision.

The training runs reliably and efficiently from a CAD file. Even for multi-camera setups, the measuring time remains significantly below one second – with a consistently high measuring accuracy: The smallest deviations from the specified target position are detected and visualized. This gives the user complete certainty about the quality of the product.
Our metrology packages for in-line quality gauging represent a significant expansion and supplement to BestFit systems. Temperature compensated sensors are capable of handling measurement tasks on-the-fly. For example, a reliable quality inspection of each gap and flushness measurement can be performed after installation. Due to their compact design, the sensors even reach hard to access positions. Even larger features can be determined impeccably and accurately by having the robot approach several gauging points and then analyzing them intelligently. Specifically developed algorithms verify that tolerances are complied with. Robust and exact measurement are the key to dimensional accuracy with precision into the µm range. There is one principle for all applications: the highest reliability for the best possible quality. This is the only way that manufacturers are able to deliver best value down to the smallest detail.
During various production steps, ISRA technology is used to inspect the quality of applied adhesive for continuity, width and position. A perfect connection between components is made possible only with innovative image processing, adjusted to the processing speed. In addition, the optimization of the amount of adhesive applied saves users material and reduces the time needed for production.

The flawlessness of the end product is assured by our 3D Robot Vision systems during the final inspection: At this stage, they check for dimensional accuracy and correct assembly of the different parts, including verifying the font on the nameplate. Even painted surfaces can be inspected 100 percent at this point. The robots guided by ISRA systems perform the final inspection runs over and over again with the exact same results, without fatigue and with consistent accuracy even while in motion.

Perfect end product through multiple quality controls
Flawless surfaces – inspected by the world market leader

The combination of powerful cameras, innovative illumination technology and intelligent software is the key to a consistently perfect delivery quality. When inspecting endless material, our surface vision systems can even keep up with the highest production speeds and detect the smallest defects. The reliable classification gives the producer the ability to take quick, targeted corrective measures. This reduces losses caused by scrap production and saves cash.

Our technology consists of standard modules that we develop in-house. Because of their design, they can be adjusted to the specific needs of the customer. The strong system performance is enabled by the reliable, repeatedly accurate defect detection, the worldwide unique real-time classification, and optimum attributes with regard to ruggedness and reliability.

Detailed, automatically generated inspection protocols give manufacturers in-depth insight into their production. The information recorded is stored in central databases. Analyzing it provides important information on how production processes can be optimized. Transparent processes create documentable quality: It can be verified against customer claims at any time.
Our high-performance technology gives insight into dimensions that cannot be seen with human eyes. Even low contrast, μm-sized surface defects on films, nonwovens and other materials are identified and classified by high-resolution cameras. The results are impeccable products and process reliability for every web width, any speed and each production step.

ISRA’s accumulated process know-how is now also used to benefit developments in electric mobility. By providing the technology to inspect separator films for lithium ion batteries and for the coating of electrode materials, we are laying the foundation for power trains used in electric cars.

With the ability to inspect in color, ISRA is providing a breakthrough innovative solution to the nonwovens industry. In addition to tiny defects on highly textured material, colored extraneous fibers can also be detected.

Composites are the way of the future, the use of which is increasing steadily, especially in aircraft construction. ISRA recognized this trend at a very early stage and developed innovative inspection technologies for these materials, precise to the hundredth of a millimeter. We assure the quality of composites by inspecting and measuring fibers, thus making an important contribution to aviation safety.
As an integrated solution comprised of a Web Inspection System (WIS) and Web Break Monitoring (WBM), our products answer the demand for more quality and efficiency in the paper mill. They detect the smallest surface defects and alarm the operator of impending web breaks. This way, 50 percent of all web breaks can be prevented. Even thermo paper or coated material are challenges that we are able to master.

The systems are built upon compact sensors. They combine camera, LED lighting and intelligent cleaning mechanisms into a robust housing. Equipped with a resolution many times higher than that of traditional cameras, they supply crystal clear images even at speeds of several thousand meters a minute.

The sensors can be positioned anywhere between the wet and dry area. Image sequences from different processing steps help to efficiently analyze the defect causes. The intelligent concept is being used successfully by globally leading manufacturers.
In view of the highest quality demands on the metal industry, a reliable classification performance is essential along the entire production. Here, ISRA systems are in a class of their own: Multi-level, self-learning classifiers ensure that all surface defects are reliably categorized. The results of the defect classification are used to trigger alarms in order to introduce corrective measures during the running production process. The result is a significant increase in product quality to almost 100 percent.

The technology’s strong performance capability is also clearly evident in the quality of the inspection data supplied. Users are given concentrated information that is relevant for a specific problem. This data quality is a reliable basis for making correct production decisions, which prompt significant improvements in quality and efficiency.

The interaction between defect detection, classification and the resulting data quality at the highest level is matchless. ISRA is setting the standard in the inspection of steel and aluminum.
At nine out of ten production facilities around the world, our systems supply the answers to quality and processing issues. Each individual system is a piece of high-end technology. As a whole, the solutions form the most complete product program for optical glass inspection.

The future of float glass inspection is multi-dimensional: Based on Online Moiré Technology, Multi-Mode and Multi-View illumination, ISRA has created a unique optical concept. It allows any surface and edge defect to be reliably detected and differentiated. Specifically for the strict requirements of coated glass, a technology has been developed that inspects color, coating and the presence of process defects all at the same time.

Multi-dimensionality assures flawless quality even on structured glass. The finest defects such as stones or open bubbles are reliably detected and classified by ISRA systems. The systems are directly at the production line, prior to cutting or for sheets that have already been cut. ISRA-inspected glass even fulfills the strict market requirements of the photovoltaic industry.

Clear advantage via multi-dimensional inspection

ISRA systems use patented methods for automated quality assurance along the entire process chain. The ability to provide overall 100 percent inspection from the hot end to the finished product is unmatched around the world. This satisfies the highest quality expectations for any type of glass.
For glass plate manufacturers, ISRA offers a reliable quality control for each and every processing step. The choices consist of individually combinable modules, each featuring innovative applications for glass plates in any shape. They are available as single application or as an integrated solution, allowing several inspection solutions to be performed at the same time.

An entire industry relies on the innovations provided by ISRA in the field of automotive glass. They allow fully automated 3D in-line measurement of curved glass with an accuracy of a fraction of a millimeter. The accurate calculation of optical distortion in the reflection of windshields using deflectometry is unrivaled anywhere else in the world. The product portfolio is completed by an in-line inspection system for patterns applied via screen printing.

At the core of our unique inspection technology for extremely thin glass substrates are cameras with a resolution of only a few µm. As an integral part of a modular designed system, they make it possible to perform 100 percent inspection throughout the entire manufacturing process of flat panel displays. The tiniest dust particle-sized defects can be detected and classified reliably.
Our portfolio of products for packaging and job printing includes solutions for all printing methods, substrates and processes. The wide range of tools helps to ensure an effective and complete monitoring of quality and processes along the entire value creation chain. The result is an improved quality and an increase in throughput at a reduced reject rate. The competitive advantages are obvious: more satisfied end customers and a higher profitability.

The decisive criteria for preventing maculature is the ability to discover defects as early as possible. ISRA takes this literally: Our inspection systems identify defects in material and print image as they occur.

Innovative features for higher quality and less paper waste

The 100 percent inspection is based on high-resolution optical sensors. Multi-camera setups ensure reliable results when identifying and classifying defects. Even at the highest speeds, the system does not miss a single defect. Our Online Monitoring detects and visualizes relative color deviations. A single reference image is all that ISRA’s system needs for the in-line PDF color inspection. In the roll-to-roll process, we provide precise inspection, which makes it possible to compensate for any disruptions caused by web movements.
Our highly developed technology provides the capability to perform an automated optical inspection of base material and complex security features for identification documents and bank notes. The high-performance components such as high-resolution line cameras, the latest LED illumination modules and current-generation processors reliably supply precise inspection results in real time. For many years, our inspection systems have been recognized as the standard in the industry: The paper of more than 80 percent of the bank notes in global circulation has been inspected by ISRA systems.

Where materials are subject to extremely demanding aesthetic and security-related requirements, there is no option for compromise: State-of-the-art technology and decades of experience guarantee maximum reliability in every single production step. From the supplied material to the cutting process, an excellent inspection performance with real-time defect classification is assured – even at fast web speeds. Operators gain a superior product quality and optimized processes that meet the highest security standards.
ISRA inspection systems allow a comprehensive process and quality control from solar glass to the finished solar module. The highly precise optical in-line inspection focuses on optimizing production quality and processes to improve efficiency, performance and throughput of solar cells and modules. These are decisive steps towards making solar technology more affordable. Thanks to a resolution into the µm range and simultaneous detailed defect classification, ISRA systems allow an exact analysis and control of production quality. Particularly fine structures such as those used on the front side of solar cells can be ideally monitored. ISRA is also a leader in the inspection of the newest generation of solar cells with special contacting and insulation layers on the back of PERC (Passivated Emitter Rear Contacts) and IBC (Interdigitated Back-Contact) solar cells.

Additional innovations have been developed for the fully automatic inspection of solar module production. ISRA's expertise in thin film technology used in glass and display production allows for an inspection performance that makes zero-defect production possible.

New benchmarks for measuring accuracy and detection reliability
The measuring methods applied play a key role in efficiently implementing zero-defect concepts. They enable precise quality control measures on semiconductor products and electronic components at the highest production speeds. This is an absolute novelty for the industry.

Our flexible solutions for semiconductor products cover a variety of inspection tasks for wafering, front-end-of-line and back-end-of-line. State-of-the-art image processing methods into the μm range allow highly precise 3D surface topographies and are able to identify microscopically small cracks and breakage. Thus, previously unreachable cycle times are now met.

The interaction between various ultra-fast measuring methods leads to effective quality management and best possible productivity. Inspection solutions can be combined individually. The available options range from the stand-alone measuring device through to the completely automated multifunction inspection cluster. Each system is clean room-suitable and meets all established industrial standards.

Innovation is created by combining proven methods: ISRA inspection systems for the semiconductor and flat screen display industry for the first time ever link high-resolution 2D measuring methods with 3D technologies within industry-compliant cycle times.
Automated inspection systems monitor and document the individual process steps in production lines. However, that alone is not enough to make processes more efficient and to systematically optimize production. In order to be able to make fast, targeted and economically feasible decisions at every level of a company, access to all relevant information and their subsequent analysis are mandatory. This is where the Yield Management Software Enterprise PROduction Management Intelligence, in short EPROMI, gives strong support.

Yield optimization via intelligent software – the EPROMI architecture provides all available production-relevant data in a quality database. Users can obtain information, for example, about surface, thickness, width and flatness in concentrated and coherently structured form. Per standardized interfaces, the user is given access to order, resource and planning data as well as to information from materials logistics and staff planning from the MES systems.

Yield Management: analyzing data, improving processes

In order to be able to make sound economic decisions, management from the production level to corporate headquarters depends on reliable analysis. This is where ISRA’s intelligent yield management software EPROMI provides an optimum level of support. It processes terabytes of aggregated quality and inspection data to enable a quick decision-making.
Our EXPERT\textsuperscript{s} modules provide solutions for the specific demands of different production lines. The potential for increasing productivity is efficiently realized with these modules: quality can be planned, processes and manufacturing can be optimized systematically.

Intelligent software mentors support yield optimization

The EXPERT\textsuperscript{s} modules evaluate and weigh information based on specific problems and generate action suggestions for decision makers. Those in charge of production are informed about any approaching problems and possible corrective measures at an early stage. This may include, for example, a recording of defect trends and means to protect the production line from damage. As a result, employees at all company levels receive sustainable support for the optimization of yields and production.

Using the EXPERT\textsuperscript{s} modules improves quality and production processes, even volumes. This makes the EXPERT\textsuperscript{s} solutions the perfect support for an effective resource management. Still, data flow is not a one-way-street. The knowledge obtained can also be passed along for use in process control, manufacturing execution and ERP systems. All of the necessary interfaces are available to do so. This is process-oriented quality management intelligence at its purest.
At ISRA, the relationship to the customer does not end once a product is delivered. To the contrary, it marks the beginning of a long-term partnership. Our Customer Support and Service Center (CSSC) plays a major role: It supports operators in the use of the systems. Thanks to the more than 25 locations around the globe, we are always close to the customer and can provide an optimum level of support day and night. Within the space of just two hours, we present a solution for any problem.

ISRA systems use high-performance technologies with maximum user benefit. In order to maintain this top performance in the long-term, we offer a wide range of services from which the customer can compile a customized package. Whether it is a system check via remote access, an on-site maintenance at short notice or spare parts to be acquired quickly – our engineers and highly qualified system operators provide immediate assistance.

Maximum productivity can only be achieved by an optimally instructed staff. Our training programs impart concentrated knowledge and turn employees into experts.
Renowned global players in the automotive, glass, metal, plastics, paper, printing, electronics, solar and semiconductor industries benefit from ISRA Machine Vision solutions. These companies place their trust in us, because they are convinced of our technologies. ISRA systems have already become the established standard in many industries.

Large investments in Research & Development also secure the success of our customers. Many years of experience and a global service network speak for ISRA. We are close at hand anywhere in the world, which enables us to provide first-class support at a moment's notice.

This success is the result of a dedicated collaboration with our customers. Ideas worked out in a dialogue regularly flow into the further development of our systems.

Some of our customers, who are already optimizing their production with ISRA systems today ...

+++ 3M +++ AGFA +++ Amcor +++ ArcelorMittal +++ Asahi Glass ++++ Audi +++
Avery Dennison +++ BMW +++ Celgard +++ China Southern Glass +++ China Steel Corporation +++
Clopay +++ Constantia +++ Cytec +++ Daimler +++ Dürr +++ DuPont +++ Fiat +++
Ford +++ FUYAO +++ Georgia-Pacific +++ Gintech +++ GM +++ Guardian +++ Hexcel +++ Hyundai +++
International Paper +++ Kimberly-Clark +++ LG Electronics +++ Magna +++ manroland +++ Nippon Steel +++
Sumitomo Metal +++ Norske Skog +++ Novelis +++ NSG +++ Outokumpu +++ POSCO +++ REC Solar +++
Renault +++ Saint-Gobain +++ SCA +++ SEAT +++ Severstal +++ Shougang +++ Şişecam +++
Solartech +++ Solutia +++ SWM +++ Taiwan Glass +++ Tata Steel +++ ThysenKrupp Steel +++ Trina +++ UPM +++
Voith +++ VW +++ Weyerhaeuser +++ WUHAN +++ Xinyi Glass +++ Yachua +++ Yingli +++

Technology partner of the world’s elite
The primary objective of ISRA is the consolidation and the expansion of our technological leadership. Large investments in Research & Development emphasize this fact, giving us the strength to take the next steps.

We strive to make automation technology even safer, easier and better. These are important prerequisites for entering new markets. Many other industries shall be entitled to benefit from the advantages of ISRA technologies. The focus is on meeting specific requirements in the energy, health, infrastructure, food, mobility and information sectors. As a team player by conviction, we are always open to any potential technology and development partnerships.

With its innovations, the technology leader ISRA will keep shaping the future in the Machine Vision industry. We are convinced that our solutions for more security, quality of life and sustainability will continue their contribution towards making the world a little bit better.
We are represented globally at more than 25 locations with a complete portfolio of solutions designed to increase quality and efficiency throughout the entire process chain of the automated production. This ensures a close contact to our worldwide customer base of international industry leaders. A global 24/7 service network provides support for more than 10,000 installed ISRA systems.

Servicing our customers for higher productivity and cost efficiency

Dear Madam or Sir,

Thank you for your interest in ISRA VISION. With much dedication, our more than 700 employees worldwide commit themselves to the success of our customers every day. From the idea to the prototype through to the finished application – leading companies from a range of different industries place their trust in ISRA’s more than 30 years of expertise. Our innovative solutions are used for quality assurance and automation even in the most complex production lines. At the same time, we meet highest requirements with regard to flexibility, precision and speed – all while offering easily usable systems. This makes us a valuable partner to our customers, allowing them to achieve significant improvements in productivity and cost efficiency around the world. However, we take our commitment one step further: Our portfolio of future-proof 3D Machine Vision technologies and surface inspection systems is completed by ISRA’s global service and support team. We are available around the clock to support our customers in maintaining the high performance level of their production. ISRA’s solid financial standing provides a stable basis for a sustainable cooperation. Ideal preconditions for a long-term relationship – challenge us!

Enis Ersü, founder and CEO, ISRA VISION AG