OEM Automatic offers a unique comprehensive range from leading manufacturers.

OEM Automatic has an efficient sales process through personal selling and extensive product knowledge.

OEM Automatic promotes brands and products over multiple platforms to achieve the best results.

OEM Automatic has world class logistics.

WIDE PRODUCT RANGE – SPECIALISED ORGANISATION
We are a competent and effective partner, organised into business areas with their own sales, product and customer support staff.

By organising in this way we have the advantage of specialist staff with specialist knowledge of the wide product range in each area.

Manufacturers who collaborate with OEM are guaranteed a strong UK sales and marketing partner with:
- Local market knowledge
- Promotion of brands
- Local technical & sales staff
- Fast response to customers
- Feedback about customers’ needs
- Efficient logistics operation

Customers who buy from OEM have access to market leading products from a solid and reliable partner with:
- A wide & deep product range
- Opportunity to reduce the number of suppliers
- High product & application knowledge
- Lower overall cost
- Accurate & on-time deliveries

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OFFICES
Drammen, Göteborg, Malmö, Umeå, Aarhus, Oulu, Gdansk, Sosnowiec

SALES OFFICES
Stockholm, Göteborg, Malmö, Umeå, Aarhus, Oulu, Gdansk, Sosnowiec

OFFICES & WAREHOUSES
Turku, Allerød, Leicester, Turku, Warsaw, Prague, Budapest, Shanghai
OEM Automatic represents specialist leading brands within the machine vision, identification and code reading solutions sector. We offer a wide range of high-quality products at competitive prices. Providing full technical advice on all aspects of product selection, we supply standard and customised products for demanding applications. A large selection is available from stock from our UK and European logistics centres.

Key factors
- Extensive application knowledge and experience
- Large range of products from leading manufacturers
- Guidance on product selection
- Development and demonstration facility
- Technical support

Support and service
Our team works closely with you from initial enquiry to project completion. We supply individual, component parts of the hardware and software required for a complex multi-camera vision system.

Needs analysis
The requirements are closely assessed and the most suitable products are recommended. Where appropriate, OEM Automatic will undertake in-house testing and involve component suppliers for their technical expertise.

Quotation
Once the technical aspects of an enquiry have been resolved, OEM Automatic will provide a formal fully itemised quotation.

Stock and call-off
OEM Automatic will stock frequently used items for same day despatch. We can offer scheduled delivery, either call-off service or a kitting service to meet your production requirements.

Product training
We work in conjunction with our suppliers to offer a range of product training courses and materials.

After-sales support
Our customer commitment does not finish when an order leaves our premises. We are available to help in the unlikely event that issues arise.

GARETH FORD
BUSINESS AREA MANAGER
• Excellent high speed 1D code reading
• Linear or Laser
• Built-in Profinet & ETHERNET®
• Full omni-directional pallet scanning

High-performance laser scanners for 1D industrial barcode applications.

* on certain models

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CODE READERS – LASER

• Robust omni-directional 1D/2D code reading
• High power, DPM & polarised lighting options
• Built-in Profinet & ETHERNET®
• Easy to set up via DL.CODE

High performance 1D/2D imagers for industrial barcode applications.

* on certain models

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CODE READERS – HANDLED AND EMBEDDED

• DPM options
• 1D & 2D scanning options
• Industrial IP rating and enclosure rating
• Embedded scan engines for Kiosk and OEM installations

Industrial, general purpose and embedded handheld 1D/2D-scanners.

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CODE READERS – IMAGE BASED

• VGA to 61MP
• GigE, USB3, Camera Link, CoaXPress, BCON
• Up to 520fps
• Colour & Mono

Machine vision cameras from Basler, Datalogic & Sony.

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CAMERAS

• IF, A & T series from Datalogic
• OCR & object specific systems
• Modular design for total flexibility
• High IP rating

All-in-one smart vision camera solutions.

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SMART CAMERAS

• Precise optical measurement over a large measuring range
• 2D and 3D data in one shot
• Light and contrast independent (within standard operating parameters)
• Real-time streaming of pre-processed 3D point clouds and 2D intensity images

3D camera operating on the pulsed Time-of-Flight principle.

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TIME OF FLIGHT CAMERAS

• Precise optical measurement over a large measuring range
• 2D and 3D data in one shot
• Light and contrast independent (within standard operating parameters)
• Real-time streaming of pre-processed 3D point clouds and 2D intensity images

3D camera operating on the pulsed Time-of-Flight principle.
- High quality and cost effective
- Manual & Auto Iris
- 10MP models
- High vibration models
- Specialist models and custom configurations

Wide range of machine vision lenses from Asahi, Basler, Kowa and RICOH and many more.

**Lenses**

- Bandpass, longpass, shortpass
- Polarizing, chromatic and neutral density
- Range of sizes for thread mount and slip mount
- Non-standard shapes and sizes available

Optical filters from Midwest Optical, Effilux and RICOH.

**Optical Filters**

- Huge and varied product range
- Large choice of wave lengths
- High IP rating options
- Adjustable and configurable

Vast range of machine vision lighting from Advanced Illumination, Basler, CCS, Effilux and others.

**Illumination**

- CameraLink
- CoaXpress
- GigE
- USB

Interface cards, optimised for image transfer between camera and computer.

**Industrial PCs & Monitors**

- Atom to i9 processors
- Configurable to user requirements
- GPU options for advanced machine vision and AI (deep learning)
- Windows or Nvidia Jetson computer architecture

High quality and well supported range for industrial PCs and monitors.

**Frame Grabbers**

- Camera mounting kits
- Ethernet switches
- Interconnection cables
- I/O modules
- Enclosures

A wide range of complimentary accessories for a total machine vision solution.

**Machine Vision Accessories**
MACHINE VISION SOFTWARE

Adaptive Vision Studio

Powerful, data-flow based software designed for all machine vision applications. Adaptive Vision Studio does not require programming skills, but it is still extremely fast, highly flexible and allows the rapid development and deployment of vision inspection solutions.

- Image Processing
- Blob Analysis
- Contour Analysis
- Plane Geometry
- Contour Analysis
- Planar Geometry
- Shape Fitting
- Camera Calibration
- Fourier Analysis
- Hough Transform
- Barcode Reading
- Data Code Reading
- Corner Detection
- 1D Profile Analysis
- 1D Measurements
- 2D Measurements
- Template Matching
- Histogram Analysis
- OCR
- Barcode Reading

Drag & drop programming – Choose the analysis tool and connect them with each other. You can focus all your attention on computer vision and not coding.

You can see everything - Inspection results are visualized on multiple configurable data previews; and when a parameter in the program is changed, you can see the previews updated in real time.

HMI Designer - You can easily create custom graphical user interfaces (GUI) and thus build the entire machine vision application using a single software package.

Powerful - Over 1000 ready-for-use analysis tools.

Hardware acceleration – tools are aggressively optimized for the SSE/AVX/NEON technologies and for multicore processors. Adaptive Vision Studio implementations are some of the fastest in the world.

Loops and conditions - There is no coding, but you can still create custom and scalable program flows. Loops, conditions and subprograms (macrofilters) are realized with appropriate data-flow constructs in the graphical way.

Machine Vision Library for C++ and .NET

Adaptive Vision Library is a machine vision library for C++ and .NET environments. It provides a comprehensive set of functions for creating industrial image analysis applications – from standard-based image acquisition interfaces, through low-level image processing routines, to ready-made tools such as template matching, measurements or barcode readers. The main strengths of the product include the highest performance, modern design and simple structure, making it easy to integrate with the rest of your code.

The functions available in Adaptive Vision Library closely correspond to the tools within Adaptive Vision Studio. Therefore, it is possible to prototype your algorithms inside the graphical environment and then translate them to C++ or .NET, or even generate the C++ code automatically.

Adaptive Vision Library gives you instant access to highest quality, well optimized and field-tested code that you need for your machine vision projects.

Deep Learning Add-on

Deep learning adds set of real-time tools to complex machine vision applications. It is set of ready-made tools which are trained with cloud and field samples, and which then detect defects or features automatically. Internally it uses large neural network structures, designed and optimized by our research team for use in industrial inspection systems. For the end user, however, they are provided as simple filters with very few parameters, and with easy-to-use graphical tools for convenient execution of the training process.

Deep learning add-on truly embodies the main principles of Adaptive Vision Studio:

Intuitive - can be used even by users with no programming skills

Powerful - unleashing advanced capabilities of neural networks

Adaptable - deep learning models can be retrained to include new features.

Datalogic Impact Software

With over 120 inspection tools and 50 user interface controls, Impact Software allows users to create unique inspection programs and develop user interfaces quickly and easily. All this can be done without the loss of flexibility like traditional configurable systems, or the need of vast amounts of development time like traditional SDK environments. Impact Software provides the full line of inspection tools, from simple to complex. The investment in software and training is preserved in unprecedented growth - programs for the same inspections can be easily shared or transferred across multiple inspection points within the factory.

Impact Software has hundreds of image processing and analysis tools which make it easy to enhance images, locate features, measure objects or check for presence and bar codes.
With a clear focus on the digital world, our website offers a customer portal where stock availability and product pricing can be viewed. We host thousands of product solutions with detailed technical information, downloads and access to 2D and 3D files in a wide range of formats.

Our Product Managers drive the product development and, in tandem with our Marketing Team continually develop our website offer, launching information on new and developing products via email campaigns and also on a host of social media platforms for immediate access.
Our trained Customer Support Team is the main point of contact for all incoming calls. They enter customer orders into our ERP system and guide customers to the correct technical Product Manager if their requirements are more complex.

By utilising six state of the art vertical storage lifts, we have 1,200m² shelving space from our overall floor space footprint of only 720m². These lifts, together with high rise pallet racking for larger components, ensure stock is handled with a high level of efficiency and accuracy to meet customer demands for service.