



# MANUFACTURING

Industry Guide



# Datalogic at a glance

**Datalogic Group** is a global leader in the **automatic data capture and industrial automation** markets. It is well known around the world for designing and producing barcode readers, mobile computers, sensors for detection, measurement and safety, RFID, machine vision and laser marking systems. Datalogic solutions help customers increase the quality of their processes in the **Retail, Manufacturing, Transportation & Logistics**, and **Healthcare** industries.

The Group has **more than 50 years of history** behind it, during which enormous successes have been achieved: **11 R&D centers and 3 DL Labs in Italy, USA, Vietnam, and China; 13 manufacturing and repair facilities** in USA, Hungary, Slovakia, Italy, China, Vietnam, and Australia; a **portfolio of about 1,200 patents and patent applications** in multiple jurisdictions; thousands of prestigious partners and customers spread across five continents.

Datalogic Group has **offices in 29 countries worldwide**, with the headquarters in Bologna, Italy. It is through the close cooperation of **nearly 3,000 employees** that Datalogic can boast some of the most remarkable automatic data capture and factory automation solutions available today in the market.

## DATALOGIC TARGET INDUSTRIES



RETAIL



MANUFACTURING



TRANSPORTATION  
& LOGISTICS



HEALTHCARE

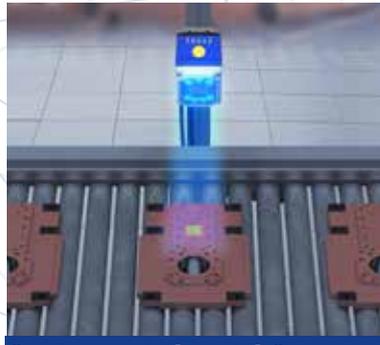
# DATALOGIC PRODUCT RANGE



**Fixed Retail Scanners**



**Handheld Scanners**



**Stationary Industrial Scanners**



**Mobile Computers**



**Laser Marking Systems**



**OEM Barcode Readers**



**RFID Systems**



**Sensors & Safety**

by **DATASENSING**



**Machine Vision**

by **DATASENSING**



## CUSTOMER SERVICE

Datalogic's Customer Service offers a wide and complete range of post-sales services. It is organized in three levels of support, in order to guarantee the most appropriate professional assistance based on the specific problem. Datalogic's Customer Service can deploy in each territory a team of multi-lingual professionals, with a broad technical expertise across the whole product range.

Our standard service portfolio includes: warranty extension, fast turnaround time for repairs, 24/7/365 phone support, next day on-site intervention and site audits. Datalogic can tailor the service offering to your specific needs. Our experts will support every stage of your projects, from feasibility study to extended post-sales support, performing, when necessary, root cause analysis and remediation.



## EASEOFCARE Service Programs

Datalogic's EASEOFCARE Service Programs provide superior life-cycle support to ensure that products are always operating at peak performance. A variety of Service Programs are available to match your business requirements:



**FAST REPAIR TURNAROUND  
(OVERNIGHT/2 DAYS)**



**ACCIDENTAL DAMAGE  
COVERAGE**



**BOTH WAYS FREIGHT PAID  
BY DATALOGIC**



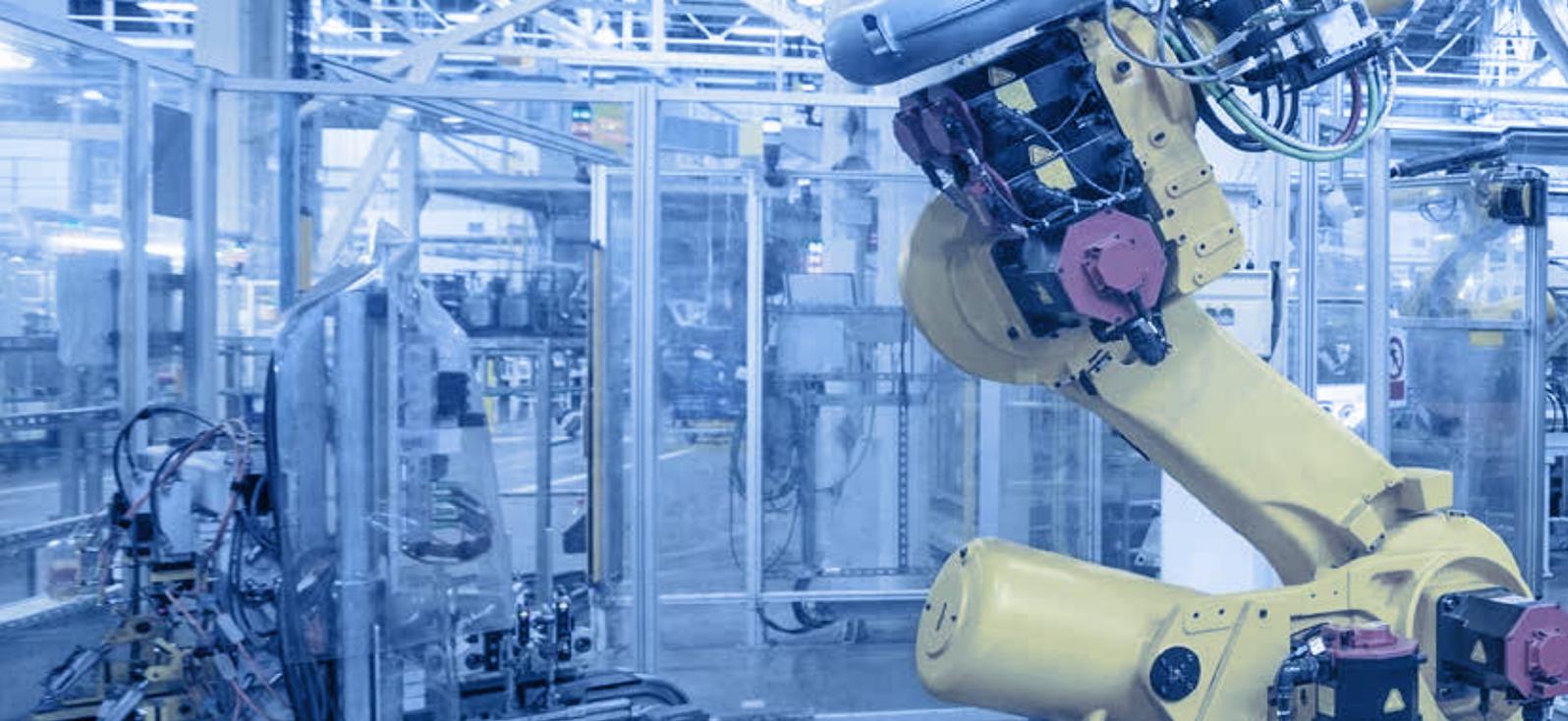
**DATALOGIC SHIELD  
FOR MOBILE PRODUCTS  
INCLUDED**



**3-5 YEARS CONTRACT  
SERVICE OPTIONS**

Please contact your sales representative to find out what type of services are available in your region.

[www.datalogic.com](http://www.datalogic.com)



# Manufacturing

## AUTOMOTIVE

Automotive manufacturing relies on a coordinated effort of manual and automated systems to deliver efficient productivity, total quality and traceability. Datalogic offers parts identification, tracking and laser marking systems that keep production moving.

- PowerTrain assembly
- Interiors (texturing) assembly
- Suspensions & braking system assembly
- Exteriors assembly
- WIP traceability
- Direct Part Marking (marking and reading)
- Supplier components tracking



## TIRES

Automated sorting and shipping systems in tire manufacturing are necessary to manage high-volume production, keep it on-schedule, well tracked, and properly stored. Datalogic industrial barcode readers, high-resolution imagers, and mobile computers collect and transmit data to enterprise systems seamlessly maximizing efficiency.

- Tire assembly tracking
- Tire traceability and sorting on conveyor
- Tire traceability in process machine
- Quality inspection



## ELECTRONICS

Electronics depends on effective board identification, PCB traceability, and item branding for proper operation throughout the manufacturing process for component placement, board marking and identification, line traceability and more. Datalogic solutions keeps electronics manufacturers moving at peak performance.

- Board assembling and testing
- Device assembling and testing
- Personalization and branding
- Device packaging and warehousing
- Labeling and DPM verification and tracking
- Wafer marking
- Machine set-up - component reel identification





**Value Proposition**  
*We provide a unique portfolio of smart, interconnected devices able to protect, identify, sense, check and mark.*

# Industry

## PACKAGING

Food, beverage, pharma and consumer packaged goods move through the manufacturing process under the watchful eyes of Datalogic imagers. Datalogic technology detects barcode type, position, orientation, printing quality and encoded data assuring efficiency and error-free flawless production. Food and product safety are assured by stationary industrial and handheld barcode readers, mobile computers, and laser marking systems that identify and track items through the manufacturing process and on to distribution.

- Primary packaging tracking
- Cartoning traceability
- Bundling/Tray packing/Shrink wrapping traceability
- Case packing traceability
- End-of-Line/Palletizing/Wrapping/Robotics traceability
- Printed label verification



## INTRALOGISTICS

The Manufacturing process ends with intralogistics applications requiring specific identification solutions to prepare incoming material, components, and goods for internal plant handling. This includes operations from inbound logistics to warehousing and from warehousing to outbound logistics, before entering the distribution and retail supply chain segments.

- Label reading and verification
- Parts/boxes identification/traceability
- Palletizing
- Warehouse management
- Tote identification and tracking
- Sorting and shipping



# AUTOMOTIVE



## WORK IN PROGRESS TRACEABILITY

Automotive parts require end-to-end traceability. Datalogic industrial handheld scanners and fixed readers identify and track parts and components during vehicle assembly.



## DIRECT PART MARKING AND READING

Datalogic delivers solutions for Direct Part Marking (DPM) with laser marking systems that permanently mark barcodes directly on parts. Machine vision, handheld and fixed scanners are used for DPM code identification for verification and item traceability purposes.



## ASSEMBLY VERIFICATION

Verification of proper product assembly entails reading barcodes on labels and DPM created with multiple printing and marking technologies. Datalogic's image processing algorithms, embedded lighting systems and optical features ensure high read rates even in the most demanding manufacturing environments.





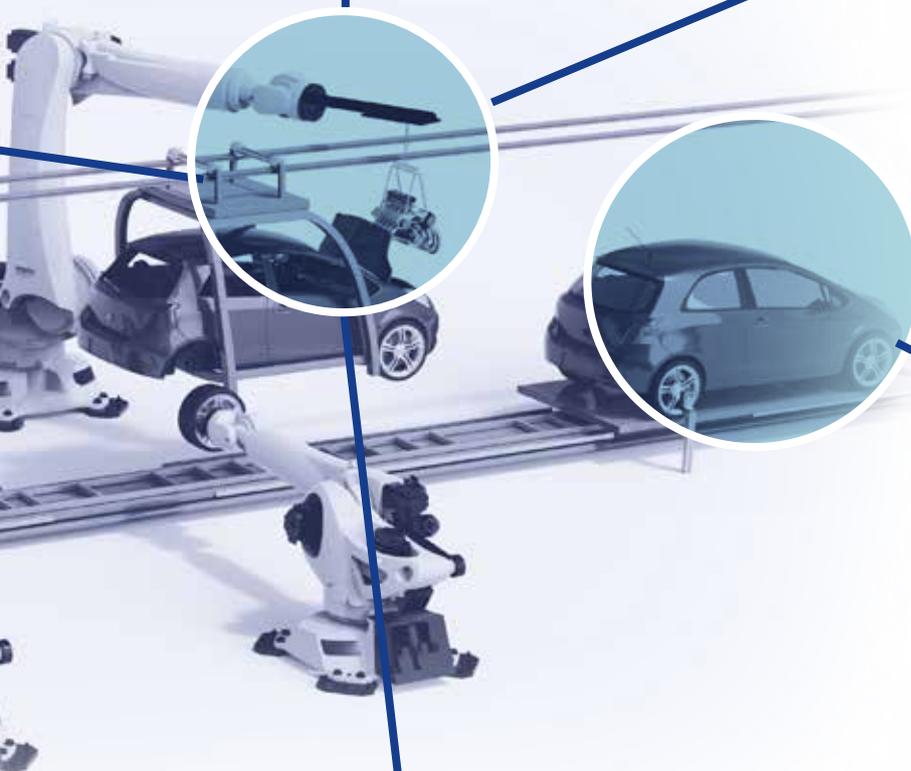
## COMPONENT IDENTIFICATION

Work In Progress (WIP) is traced using Datalogic stationary readers and industrial handheld scanners along the entire production process.



## ROBOT SAFETY

Safety of human being is guarantee by a wide portfolio of safety laser scanner SLS; they adopt smart function and special connectivity that allow to keep also high manufacturing efficiency and cost saving.



## FINAL PRODUCT QUALITY INSPECTION

A variety of Datalogic's barcode imager types and models ensure effective code reading granting correct parts and components presence and compliance to all final product quality inspection specifications.

## METAL PART DETECTION

Metal part detection is one of the main applications in automation for automotive industries. Detecting different metal type objects with high reliability and high precision even in harsh environment is a key feature for a good quality in production.



## ROBOT GUIDANCE

Machine Vision is increasingly adopted in factory automation to improve the quality, speed and flexibility of industrial machines. With its modular design, P3x is a powerful vision system packed in a compact, all-in-one smart camera housing.

# TIRES



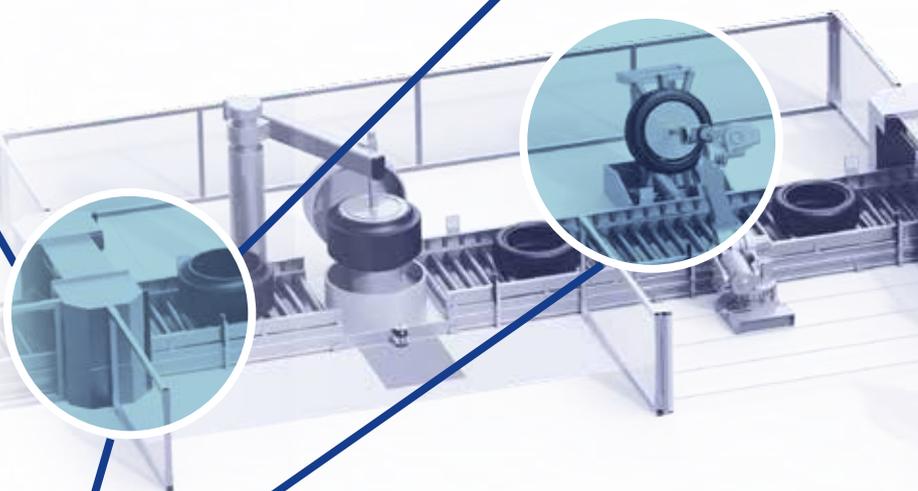
## GREEN TIRE IDENTIFICATION

Barcode labels are placed on bulgy green tire's bead granting traceability in all manufacturing phases. Efficient barcode reading is a challenge due to high pitch angles, dynamic conditions, and omnidirectional label orientation. Datalogic's array imaging solutions address all application's requirements providing outstanding read rates.



## SORTING AREA

Detection and measurement of irregular surface objects with dark colors together with high grade of machinery integration and wide interfacing capability is an important task for tire automation.



## SAFETY IN HARSH ENVIRONMENT

Thanks to introduction of a certified solution with conformal protective coating, the SLS SV-5796 allows to keep an excellent device's life-time even in the most challenging environments with presence of sulfur based gasses



## QUALITY INSPECTION

Tires are identified and tracked as they progress through rough manufacturing phases and into final finishing and inspection stations.

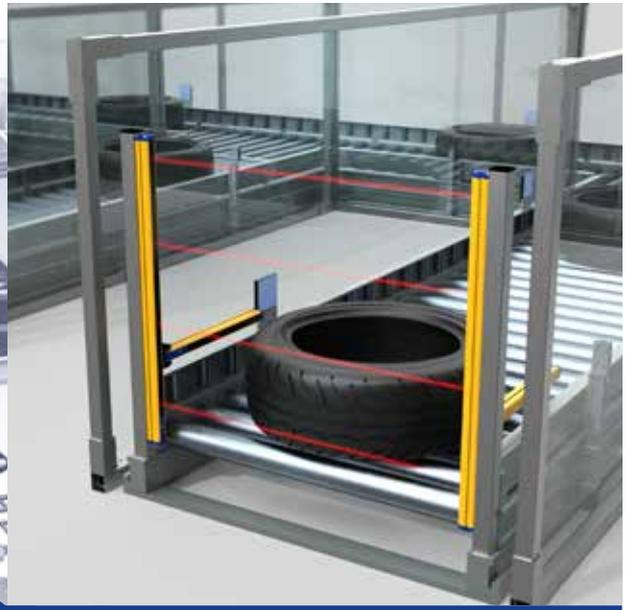
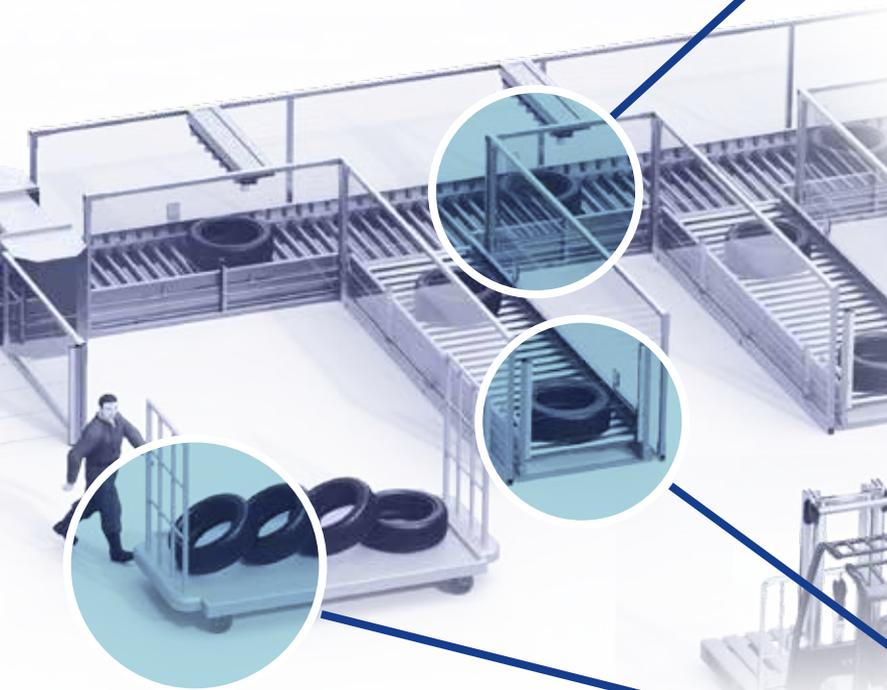


## **SORTING ON CONVEYOR**

Tire barcodes are read on conveyors to sort them to the proper destination (an internal warehouse section, a specific shipping dock, or a distribution network).

## **SORTING AREA PROTECTION**

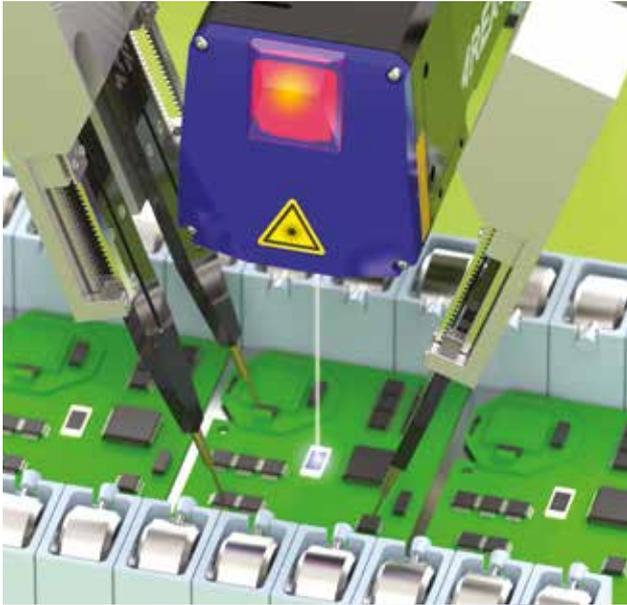
Safety light curtains with integrated muting function are installed to protect the sorting areas and allow the automatic passage of tires.



## **MANUAL HANDLING**

Tires are manually identified by operators in specific production steps using rugged handheld barcode readers.

# ELECTRONICS



## LASER MARKING SOLUTIONS

A wide variety of materials including plastic, aluminum, stainless steel and titanium are permanently marked by Datalogic laser marking systems.



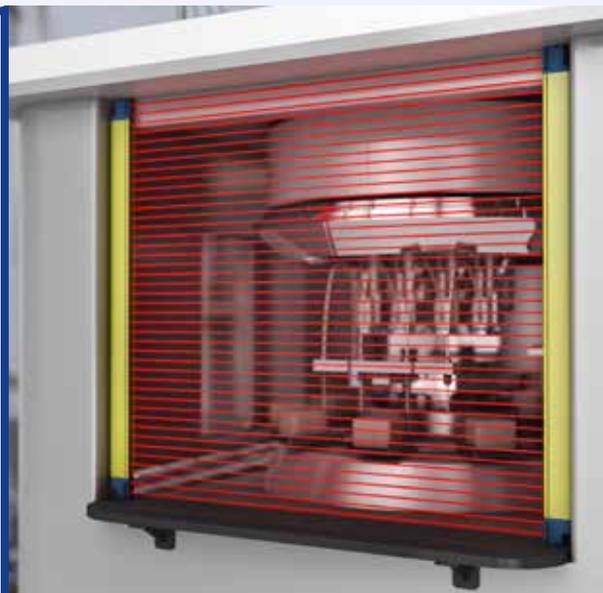
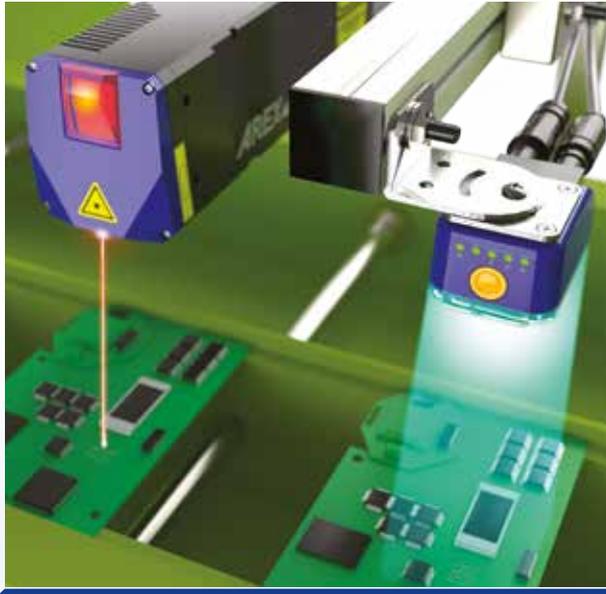
## MACHINE SET-UP AND COMPONENT IDENTIFICATION

Handheld Datalogic scanners identify the right cartridge or reel for correct positioning in the appropriate pick & place machine slot thus ensuring proper setup.



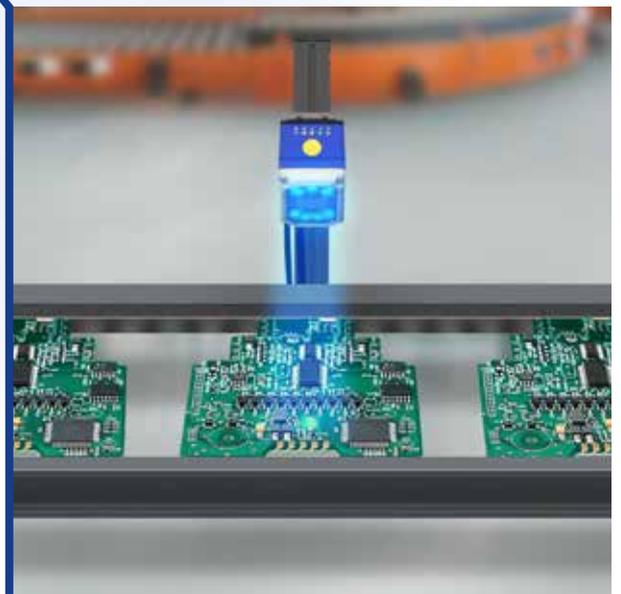
## DPM CODE MARKING & READING

Direct Part Marking (DPM) of barcodes, logos, and written text directly on parts of various materials is validated by Datalogic imagers ensuring marking quality, code readability, and overall assembly traceability.



## MACHINE SAFEGUARDING

Electronic assembly and quality control machines can be easily protected with safety light curtains of the size and detection characteristics best suited to the machine.



## PCB AND COMPONENT TRACEABILITY

Parts, components, and subassemblies are continuously tracked by fixed industrial imagers from Datalogic throughout the entire production process.

# PACKAGING



## PRESENCE DETECTION

Detection presence or absence of labels, caps or other object features in automation can be challenging, difficult to solve with sensors and very expensive to implement with smart cameras. Smart Vision Sensor is the best solution in terms of performance and cost using AI to check presence or object orientation with different format and different materials in several applications.



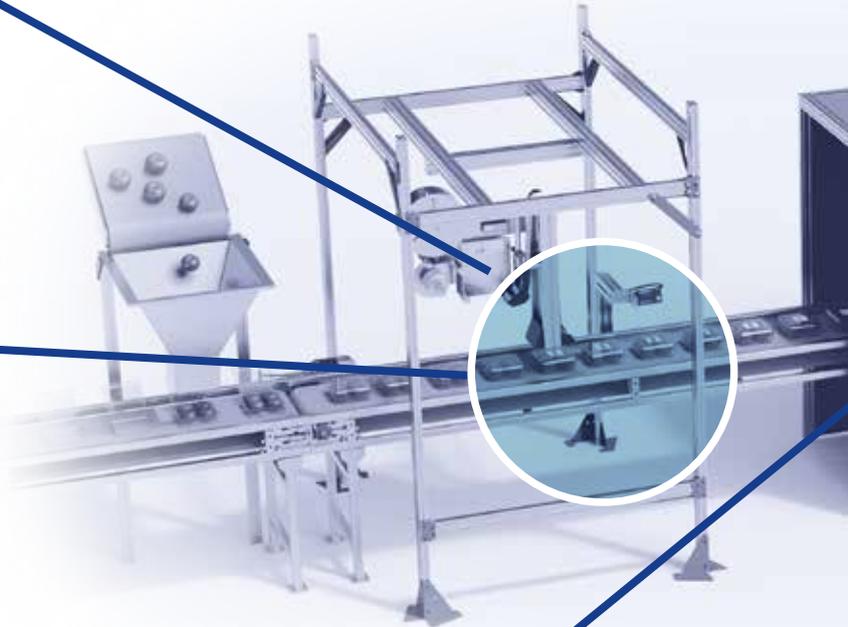
## PRODUCT IDENTIFICATION WITH BARCODE

Barcoded labels and pre-printed codes on outer wrappings are read by Datalogic stationary imagers ensuring correct positioning, code compliance and printing quality.



## PACKAGING LINE CONFIGURATION

Specific sequential reading of dedicated barcodes allows for quick and easy packaging machine configuration responding to immediate production requirements. Datalogic handheld readers, connected to the machine's control logic, are the ideal barcode reading solution for real-time parameters adjustment or for a new configuration upload.



## CONVEYOR SAFETY WITH MUTING

Safety light curtains with dynamic partial muting allow the machine to be protected as objects of varying heights pass over the conveyors, while maintaining the highest level of safety.





### **PALLET TRACEABILITY**

With the proper label, a pallet can be traced throughout the entire supply chain from manufacturing to final customer. Datalogic's fixed, handheld and mobile imagers efficiently read pallet barcode labels in all reading conditions and even under plastic film wrapping.



### **CARTON TRACEABILITY**

Throughout production Datalogic fixed scanners track items to guarantee integrity, user safety, and efficient management of recalls.



### **PRINT REGISTRATION MARK DETECTION**

High speed and ultra precision mark reading is more and more important for packaging automation increasing productivity and saving materials reading any type of mark on challenging materials.



### **LABEL DETECTION**

Precise label detection and counting is a key factor for packaging industries. The high resolution and the capability to detect different label material and label support at high speed increases the productivity with more flexibility on different formats.

# INTRALOGISTICS

## PALLET IDENTIFICATION

Identifying pallets with variable label positioning requires powerful and high-resolution imagers. Thanks to an impressive lighting system and large Field-of-View, Matrix 320 delivers effective reading on single or multiple codes and handling inconsistent positioning labels.



## MANUAL INDUCTION

Totes and packages are manually inducted into an automatic warehousing system using Datalogic industrial handheld scanners.



## AUTOMATED INBOUND/OUTBOUND MATERIAL IDENTIFICATION

Totes and packages are automatically identified for storage into/retrieval from an automatic warehousing system using Datalogic stationary industrial reading solutions.





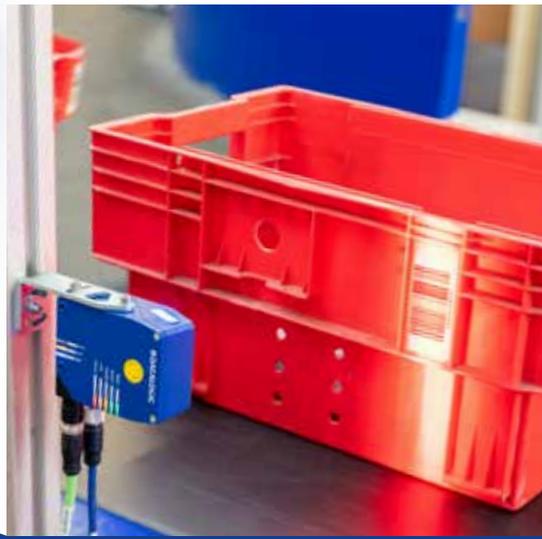
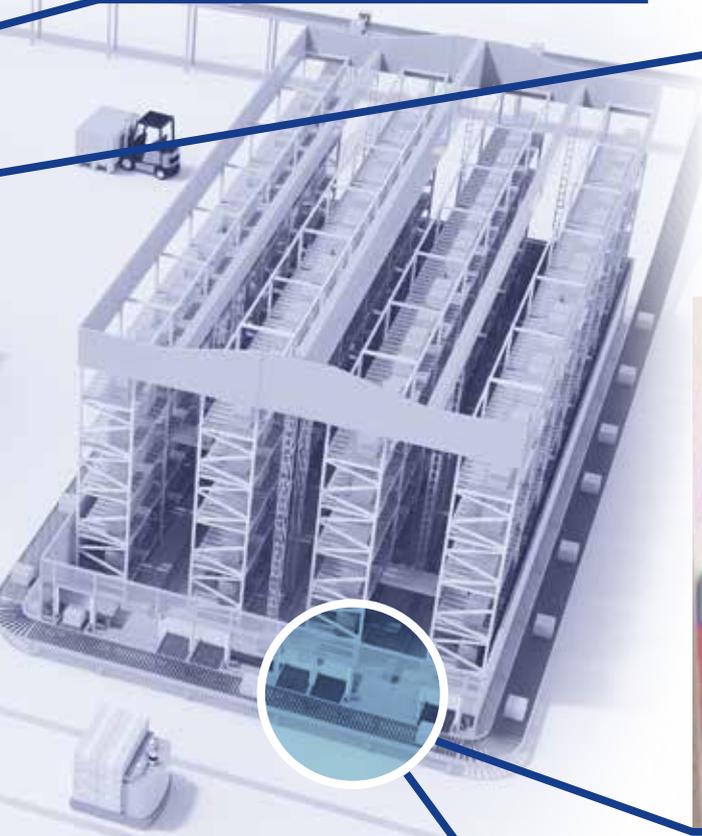
## PALLETIZING

The extreme flexibility of the SH4 allows the safe passage of material by adapting to its size, direction and speed. For increased safety, the part of the light curtain to be muted can be limited to a fixed area or automatically adjust to the height of the material.



## FORKLIFT SOLUTIONS

Long distance linear and 2D barcode scanning is enabled by PowerScan™ AR handheld readers. Combined with wireless connection and Rhino II™ vehicle mount computer, it represents a complete solution for forklift applications.



## TOTE IDENTIFICATION AND TRACKING

Totes are automatically identified for storage into/retrieval from automated warehouse using Datalogic stationary industrial scanners like DS2100.

## INBOUND/OUTBOUND WAREHOUSE MANAGEMENT

In warehouse operations, workers have to track and report the picked parts in real-time through rugged and ergonomic mobile computers like Skorpion X5 or the smallest wearable CODiScan.



## AUTOMATED INTRALOGISTICS

Autonomous vehicles such as AGVs and AMRs are increasingly being used to automate the movement of goods in a flexible way. LGS Lidars and SLS Safety Laser Scanners are used to guide vehicles while avoiding dangerous collisions with operators or other goods or equipment.

# PRODUCT PORTFOLIO



MATRIX 120™



- Ultra compact dimensions for easy integration
- Smart user selectable focus for high application flexibility
- ESD and Polarized Versions



MATRIX 220™



- All-In-One DPM illuminator for strong DPM reading performance
- Smart electronic focus control for high reading flexibility
- New multicore image processing platform excellent for high speed applications

## STATIONARY INDUSTRIAL SCANNERS



AV500/AV900



- High performance camera (5MPx AV500, 9MPx AV900) with integrated image processing system
- Image saving to external locations through the dedicated high-speed Gigabit Ethernet port
- White and Red lighting options



BLADE



- 1D code reading with compact dimensions
- Embedded Ethernet connectivity
- Two Ports Profinet and ETH-IP
- M12 rotating connector
- Excellent performance on low quality and damaged labels
- BLADE 100: Up to 310 mm (12.2 in.) reading distance - BLADE 200: Up to a 600 mm (23.6 in) reading distance



DS5100



- Medium, Long Range, Linear and Oscillating Mirror models, selectable focus for high application flexibility
- Selectable focus system
- Display and multi-language messages

## STATIONARY INDUSTRIAL SCANNERS



MEMOR™ 30/35 family



- Complete range of mid-tier mobile computers with top data capture performance: 2 scan engines with a range up to 10mt, front/rear camera, green spot good read technology
- Streamlined future-proof computing & connectivity: Qualcomm 2.4 GHZ Octa core platform, 5G and WIFI 6E, Android 13
- Easy of use & versatile solution: 6" display, 12h swappable battery, multiple modular charging solutions, full accessory range
- Proven reliability & TCO: IP68 dust and water protection, wireless charging battery and cradles, full software suite to enhance optimization, deployment and protection of the asset



MEMOR™ 11



- Ultra-Ergonomic, compact and robust
- 5 inch brilliant capacitive multi-touch HD display
- Validated by Google as 'Android Enterprise Recommended' for rugged devices
- Wireless charging increases reliability dramatically by eliminating contacts on both the device and docks
- Ruggedized with drop resistance to 1.5 m / 5 ft to concrete and IP65 sealing
- Full suite of cellular connectivity for voice and data, featuring LTE-Advanced/4G+

## MOBILE COMPUTERS



POWERSCAN 9100 SERIES



- Datalogic's new linear imaging technology
- Supports Bluetooth wireless technology SPP and HID profiles
- Ethernet Connectivity (Standard and Industrial)



POWERSCAN 9501 SERIES



- New Datalogic proprietary scan engine with extra-long range capabilities
- Fast autofocus system
- Optimized for dark environments
- Ability to scan from LCD screens
- Decodes up to 3 mils

## HANDHELD SCANNERS



### MATRIX 320



- Innovative platform and sensor with outstanding Field of View (FoV) and Depth of Field (DoF)
- Smart configurable lighting solutions with more color options in three power versions
- Configurable 360° multicolor visual feedback
- Liquid lens remote focus control for extreme flexibility in production
- Matrix 320X Premium available: can capture and process twice as many images as the standard version in a given time period



### WEBSENTINEL PLUS



- Very advanced monitor
- Offers key features, benefits, and insights to end-users and System Integrators specializing in Factory Automation and Transportation and Logistics.



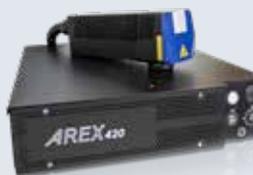
### WEBSENTINEL PLUS INVESTIGATOR



- No Read Root Cause Automated aggregation in classes
- Printing Quality Trend evaluation
- Analysis Result at Parcel Level
- Full integration within Websentinel Plus platform



### ARES 400



- Ultra compact Scanhead with high protection grade
- High performance embedded controller
- Robotic grade robust flexible conduit, green spot marking confirmation, built-in SLO (Safe Laser Off)
- Full Lighter Software Suite with MARVIS (Mark & Verify) support



### VLASE



- High performance Solid State laser source
- High Peak Power up to 60 kW
- Infrared, Green and UV on same platform
- Full Lighter Software Suite with MARVIS (Mark & Verify) support

## LASER MARKING SYSTEMS



### MEMOR™ K



- Ergonomic, very light weight and pocketable size to read 1D and 2D codes in any direction, and on any surface, including mobile screens
- Easy swappable battery for a quick replacement
- Enhance productivity throughout the store: run simultaneous applications smoothly



### CODISCAN



- Flexible Bluetooth wearable scanner with multiple comfortable mounting options: hand, neck, belt/pocket
- Small, lightweight super reliable device
- 2 working shifts and up to 12,000 scans with a single charge
- Best-in-class scanning performances reduce TCO: 1D/2D Datalogic decoding library, smart-aiming system, Green Spot, 3 high-visible LEDs, audio and vibration feedback



### SKORPIO™ X5



- Largest 4.3" high visibility display in its class
- Scan engine: 1D Imager, 2D Imager Standard Range, Mid-Range and near/far Extra-Long-Range Imager
- Handheld and/or Pistol-grip form with 3 keyboard layouts
- Fully rugged 1.8 m drop and IP65 rating
- Choice between Wireless Charging or Wired versions with dedicated docks



### RHINO II™ and SH15/SH21



- 10 ,12, 15, 21 inch high resolution color display
- Operating System: WEC7, Windows 7 Emb, Windows 10 IoT or Android 7.1
- Capacitive multi-touch screen with gloves support or resistive touch screen for cold/freezer environments



### POWERSCAN 9600 SERIES



- Standard Range (SR) and High Performance (HP) for standard / high resolution codes
- 1D/2D Auto Range series, able to scan at very short distances up to very far barcodes
- PowerScan 9600 DPX series for traceability of DPM and label-based codes
- Wireless Charging technology
- Center of gravity design and modular cradle design for multiple connectivity



### GRYPHON™ 4200 SERIES



- Best-in-class reading performance on 1D barcodes
- Enhanced reading technology for superior scanning and depth of field
- Intuitive highly visible aimer to easily target the code to be read
- Disinfectant Ready enclosures resistant to harsh chemical cleaning
- Wireless charging (no need for contact cleaning or maintenance procedures)



### GRYPHON™ 4500 SERIES



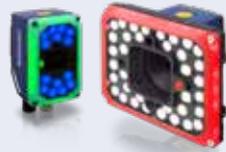
- Ultimate design and undisputed ergonomics
- High-res megapixel sensor for outstanding results on both 1D an 2D codes
- Choice of Bluetooth or Datalogic's STAR Cordless System (433 MHz or 910 MHz)
- Disinfectant Ready enclosures resistant to harsh chemical cleaning
- Wireless charging (no need for contact cleaning or maintenance)

# PRODUCT PORTFOLIO by DATA SENSING easing automation challenges

## MACHINE VISION



### P2X-SERIES



- Field replaceable illuminators, lenses and filters
- High computing power
- 360° visual feedback

### P3X-SERIES



- High-end smart camera providing state of the art computing performance. With resolutions up to 5MP, P3x enables high-accuracy Quality inspection and measurement applications.

## SENSORS



### INDUCTIVE SENSORS Ø3-Ø6.5 / M8-M30



- Wide portfolio with different formats and connectivity
- High reliability and state of the art detection quality
- Very high range of application also in harsh environment

### UF/UK/UQ/UT IO-Link



- Wide range of housing formats and materials. Stainless Steel AISI 316L available
- High mechanical protection degree IP68, IP69K with ECOLAB certification
- Wide connectivity range

### SMALL



- The smallest photoelectric sensor with all universal optic functions
- Detection of hard to reach objects or in small spaces

## SENSORS



### S70 IO-Link



- High resolution, fiber optic sensor detection of small objects through fiber optic cable
- Works in confined spaces and high temperature environments
- Sensor can be installed at distance far from detection object

### S8 IO-Link



- Extremely high performance
- Solves difficult detection applications (i.e. target objects that are too small, too fast, too clear, too shiny)

### S300-PA/PR



- Heavy duty, multi-voltage sensors with terminal block and internal relay
- Durability for integration in outdoor applications and harsh environments

## SENSORS



### AS1/DS1



- High resolution area sensor
- Detection and measurement of small objects crossing the area, even in a random positions

### DS2



- Dimensional sensor with extended controlled heights
- Set controls based on height or width measurement and object positioning

### S65-M IO-Link



- Cost-Effective Long-Range Background Suppressor with Time Of Flight (TOF) technology and Infrared emission
- Risk-free Infrared LED emission and embedded green LED pointer
- Two independent fully programmable outputs

## SAFETY AND GUIDANCE



### SH4



- Complete line of finger/hand/body resolution safety light curtains
- Base, Standard and Advanced models to cover all applications
- Advanced alignment tools and wireless diagnostics and programmability

### SH4 ACTIVE/PASSIVE



- 2, 3 and 4 beams retroreflective version of SH4
- 500, 800, 900 and 1200 mm monitored heights
- Save installation costs with only one side connected to the machine

### SLIM



- SLIM profile: 15 x 32 mm [0.6 x 1.2 in]
- 34 different protection lengths, with 30 mm [1.1 in] modularity from 150 to 1200 mm
- Cascadable up to 3 units

### SG4-H



- Finger protection in applications where high hygienic requirements need frequent cleanings with highly corrosive detergents
- The first safety light curtain with stainless steel housing and glass

## MX-E-SERIES



- Multi-camera vision processors
- GigE Vision camera connectivity
- Four different models with different processing capabilities

## MX-G2000



- Industrial vision processor with PEKAT VISION deep learning
- The MX-G2000 integrates the 12<sup>th</sup> generation INTEL chipset and NVIDIA RTX GPU providing the highest computing power to run both PEKAT VISION deep learning and IMPACT rule-based algorithms

## PEKAT DEEP-LEARNING SOFTWARE



- Software solution based on proprietary advanced deep-learning algorithms and neural networks
- Ease of use and wide hardware compatibility, with preferential hardware being the MX-G2000
- Universal application for various manufacturing solutions in quality control and defect detection

## S100 IO-Link



- Universal Miniature Photoelectric Sensor
- Cost saving: best price on the market
- Space saving: standard miniature dimension and universal mounting
- Time saving: quick and easy mechanical and electrical installation

## S3N IO-Link



- High performance in standardized miniature housing
- Replaces larger sensors and fits in limited space in smaller machinery
- Miniaturized fast and precise mark reader is also available

## S5N IO-Link



- First tubular sensor line with all optic functions and IO-Link V1.1 smart sensor profile on the market becoming a reference point for the Industry 4.0.
- All the basic optic functions available
- M18 flat plastic with universal mounting or available in M18 metal housing
- Axial or radial optics, cable or connector

## S62



- 50x50 Standard universal sensor with improved performance and pricing
- Standardization of the same 50x50mm housing, mounting holes, installation and wiring for all optic functions

## TL46 IO-Link



- High resolution, White, Red or RGB emission, very fast response time
- Thanks to its new Low jitter models performs very precisely in packaging machinery and synchronization based mark detection, even in extremely fast processes

## LD46



- UV high power emission LED with high sensitivity
- Precise packaging machinery synchronization or material sorting and selection based on luminescent "invisible" mark detection

## SMART-VS



- The smart vision sensor enabled with A.I. and empowered by machine learning assisted setting algorithms.
- Simply clever solution for all your presence and orientation object detection applications

## S85



- Long distance sensor based on TOF
- Accurate controls based on a target object distance and improved cost saving
- Measuring range up to 10m or 20m [32.8 - 65.6 in]
- 1 mm resolution, 7 mm [0.02 in] accuracy, 1 mm repeatability

## SR21/SR23



- High-resolution, very fast response time
- Execution of precise positioning, applying and printing of labels, even when integrated in fast machinery and processes

## SRX3



- High resolution, fast response time
- Execution of precise positioning, applying and printing of labels,
- Perfect with any type/format of labels and bearer tapes, transparent on transparent and metallic ink

## LASER SENTINEL MASTER/REMOTE



- More than 72 m2 safely monitored, with 5.5 m / 180.4 ft over 275°
- Master/remote topology with up to 4 units
- 3 simultaneous areas detected / up 70 zone set
- Advanced dust filtering

## LASER SENTINEL PROFISAFE



- System integration command by Profinet/Profisafe fieldbus
- More than 72 m2 safely monitored, with 5.5 m / 180.4 ft over 275°
- 8 simultaneous areas detected / up 70 zone set
- Advanced dust filtering

## LIDAR GUIDANCE SCANNERS

### LGS-N25



- High precision up to 25m
- 360° scan view with 0,25° resolution
- Very compact housing 65x65x70 mm
- Suitable for mapping, navigation and object profiling also for outdoor

### LGS-A10



- Object detection up to 10m
- 360° scan view with 0,25° resolution
- Very compact housing 65x65x70 mm
- 3 simultaneous output and 16 different zone set
- Suitable for collision avoidance, object detection, shape recognition also for outdoor

### LGS-N50



- High precision up to 50 meters
- 360° scan view with 0.06° resolution
- Compact housing 95 x 97 x 116 mm

