We provide a unique portfolio of smart, interconnected devices able to protect, identify, sense, check and mark. We’re focused on Automotive, Electronics, Packaging and General Manufacturing customers in the Industrial Production world.
Datalogic scanning solutions working in frozen environments provide full traceability along the entire supply chain.

1. **Cold Storage**
   Far distance 1D and 2D barcode scanning is enabled by PowerScan™ AR handheld readers. Combined with the SD9030 dongle and Rhino II™ vehicle mount computer, it represents a complete solution for forklifts.

2. **Forklift Solution**
   Laser scanner avoids any collision by slowing down or stopping the vehicle in the presence of operators or obstacles.

3. **Automated Guided Vehicles**
   In warehouse operations, workers have to track and report the picked parts in real-time through rugged and ergonomic mobile computers like Falcon™ X4 and Skorpio™ X4.

4. **Picking on production line**
   Totes and packages are manually inducted into an automatic warehousing system using Datalogic industrial hand held scanners.

5. **Manual Induction**
   A wide array of solutions from Datalogic including hand held scanners, smart cameras, fixed readers and mobile computers deliver error-free warehouse operations processing.

6. **Warehouse Management**
   Combined with the SD9030 dongle and Rhino II™ vehicle mount computer, it represents a complete solution for forklifts.
1. **DPM Code Verification**
Direct Part Marking (DPM) etched directly on materials are validated by Datalogic vision systems ensuring code readability and assembly traceability.

2. **Machinery Safeguarding**
Safety light curtains from Datalogic maximize production while protecting operators from harm.

3. **Machine Setup**
Handheld Datalogic scanners identify the component cartridge and the appropriate insertion location ensuring proper setup.

4. **Inspection**
Vision systems from Datalogic inspect position, alignment, and assembly with high-accuracy measurements.

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

6. **Traceability**
Parts and subassemblies are continuously tracked by smart cameras, vision systems and fixed readers from Datalogic throughout the production process.
1. **Label Print and check**

Automatic application of bar code labels are verified by Datalogic ID readers and smart cameras to check data consistency and quality standards.

2. **Detection**

Fast machinery with limited space rely on Datalogic smart cameras and miniature sensors for small parts detection.

3. **Configuration**

Industrial handheld scanners from Datalogic are used to configure machines for operation by using bar codes.

4. **Safety**

Operator safety is guaranteed by light curtains while the access of material is allowed because of the muting function.

5. **Traceability**

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

6. **Verification and Inspection**

Labels are inspected to make sure they are in the proper position and orientation as well as including the correct bar code and information.
1. Sorting Area Protection
The safety light curtain with integrated muting function is used to protect the sorting area. The muting function allows tires to be taken by a forklift for handling and warehousing management.

2. Sorting
Bar codes are identified to correctly direct tires to a distribution network or their final destination.

3. Final Inspection
Tires are manually identified by operators using hand held bar code readers.

4. Final Finishing and Inspection
Tires are identified and tracked as they progress through rough manufacturing and into final finishing and inspection stations.

5. Hazardous Area Protection
The Laser Sentinel protects the hazardous area in front of tire vulcanizing machines. Because of the two protective fields, the Laser Sentinel can independently manage the slow down and the stopping of the robot arm.

6. Tire Height Measurement
The height of the tire is measured to ensure the correct handling in the production processes. The DS2 Area Sensor is able to measure the height of the tire and send the data to the system.
1. **Traceability**

Automotive parts require end-to-end traceability. Datalogic industrial hand held scanners, smart cameras and fixed readers scan parts and components during vehicle assembly.

2. **Assembly Verification**

Smart cameras and vision systems from Datalogic detect, inspect, and verify component presence and position eliminating the need for manual inspection.

3. **Robot Guidance**

Robot and laser guidance is delivered by Datalogic machine vision systems and cameras to maximize accuracy and safety in automated production.

4. **Direct Part Marking**

Datalogic delivers solutions for Direct Part Marking (DPM) with laser marking systems that etch bar codes directly on parts. Vision systems, hand held and fixed scanners are used for DPM code/text identification for verification and item traceability purposes.

5. **Robot Safety**

Datalogic solutions for safety deliver access control and operator protection in robotic work cells through safety light curtains.

6. **Work In Progress**

Work In Progress (WIP) is tracked using Datalogic fixed readers, vision systems and industrial hand held scanners along the entire production process.
Datalogic is a global leader in the automatic data capture and process automation markets, specialized in the designing and production of bar code readers, mobile computers, sensors for detection, measurement and safety, RFID vision and laser marking systems. Datalogic solutions help to increase the efficiency and quality of processes in the Retail, Manufacturing, Transportation & Logistics and Healthcare industries, along the entire value chain.

The world’s leading players in the four reference industries use Datalogic products, certain of the attention to the customer and of the quality of the products that the Group has been offering for 47 years.

Today Datalogic Group, headquartered in Bologna (Italy), employs approximately 3,200 staff worldwide, distributed in 28 countries, with manufacturing and repair facilities in the USA, Brazil, Italy, Slovakia, Hungary, Vietnam, China and Australia. In 2018 Datalogic had a turnover of 631 million Euros and invested over 61.9 million Euros in Research & Development, with an asset of more than 1,200 patents in multiple jurisdictions.


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