



Strengthened supply chain security

Defence manufacturing, logistics and MRO

WHY THIS GUIDE

With all components of a quality traceability system under one roof, Brady provides a complete and fully customisable solution for increased supply chain security and supply chain visibility.

Our solution can increase visibility on the origin of components, strengthen anti-counterfeit, feed real-time authenticity data to software systems, enable digital twins for continuous improvement, track supplies in storage and trigger reorders on reaching custom thresholds.

We enable this with reliable identification materials, printers, engravers, barcode and RFID readers, and software.

Having worked for many years with defence suppliers, with aerospace and maritime manufacturers, machine builders and electronics industries, we are confident that our solution can help reinforce supply chains in defence industries.

We are looking forward to building a strong relationship with you.

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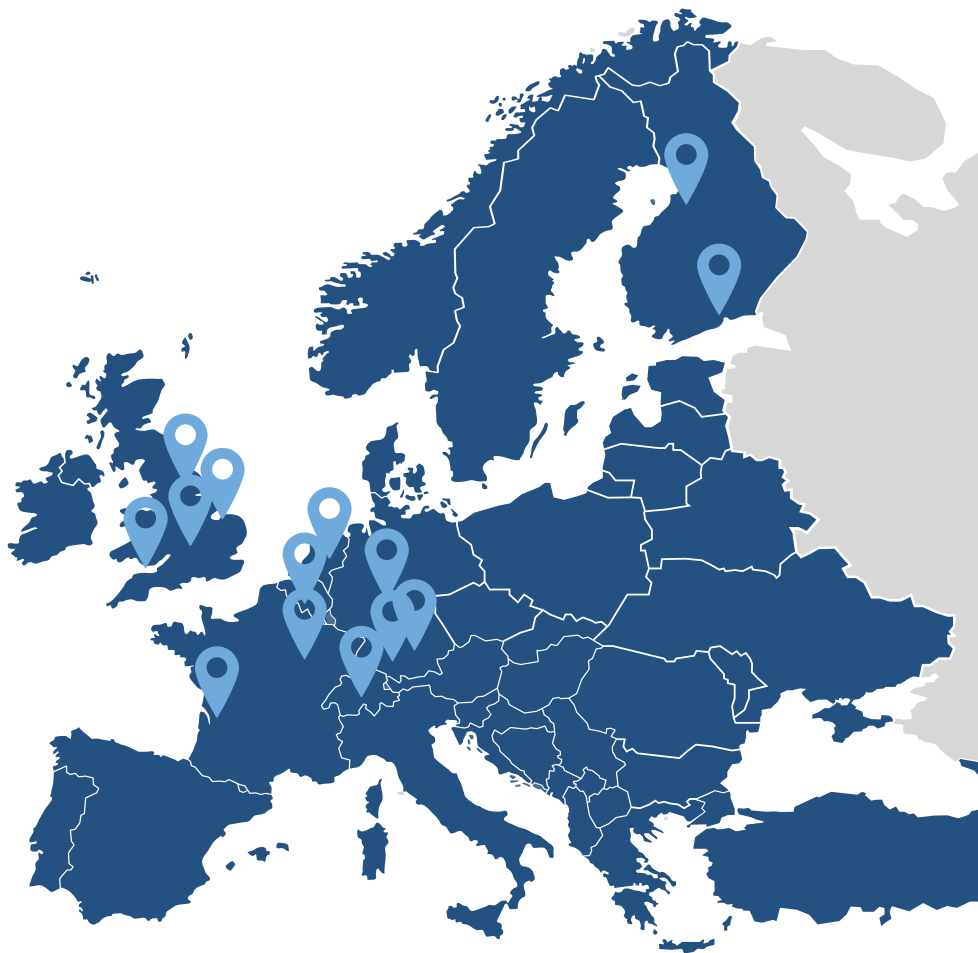
Why Brady

LOCAL AND INTERNATIONAL

Brady Corporation is an international developer and manufacturer of reliable identification labels, printers, applicators, laser engravers, barcode- and RFID-readers and supporting software.

Our production is localised to be close to our customers. In EMEA, Brady has manufacturing sites in Belgium, France, Germany, Finland, the United Kingdom, Switzerland, Saudi Arabia and South Africa.

We have defence industry specialists in almost every country who can guide you through the ideal identification solution for your sites.



Why Brady

COMPLETE SOLUTION MANUFACTURER

We have the manufacturing capabilities to customise every aspect of our complete cable and component traceability solution.

We manufacture and test our own labels, printers, applicators, laser engravers, barcode readers and RFID readers to international standards and unique customer specifications.

When combined, the components of our traceability solution generate unique advantages as a seamless ecosystem.



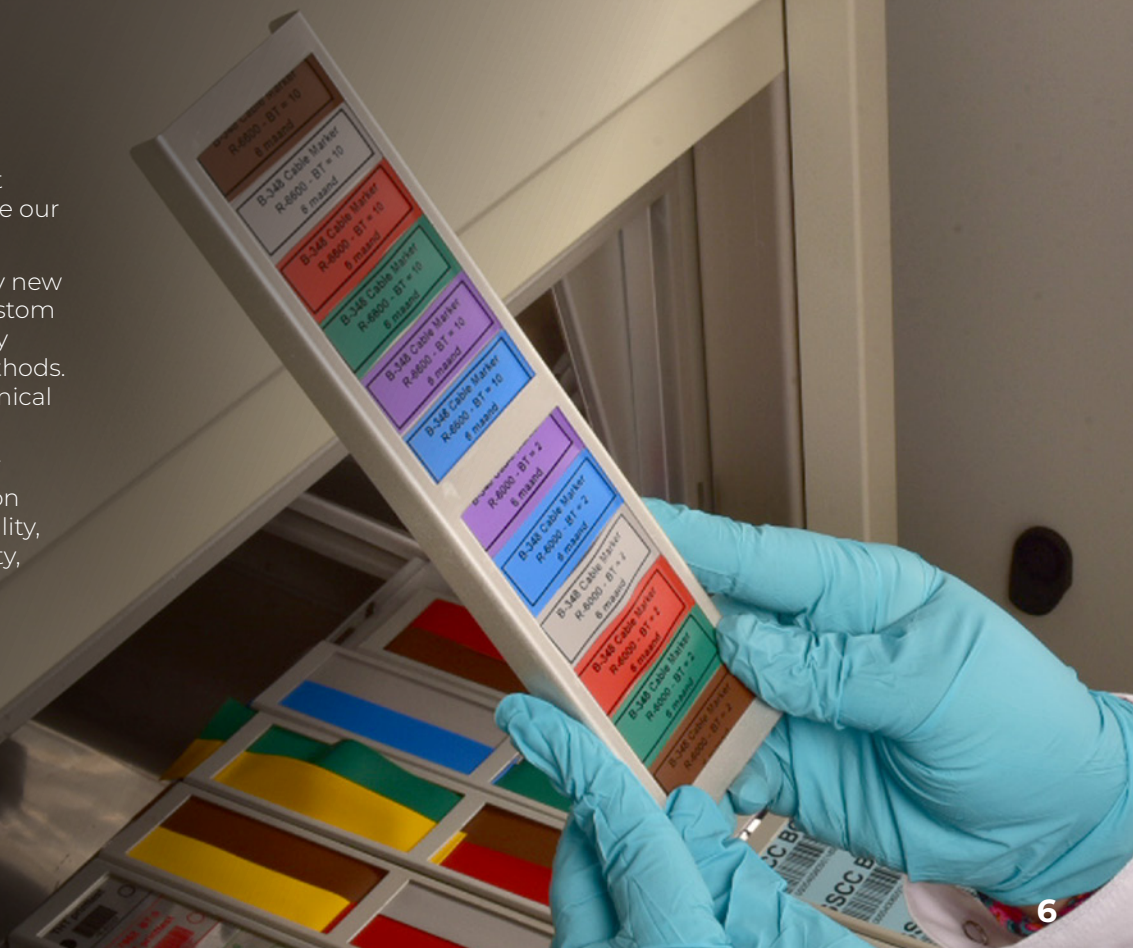
Why Brady

MATERIAL SCIENCE AND R&D

Together with our Management System, in-house laboratories are our solution quality backbone.

Our scientists rigorously test any new label construction, including custom labels, in line with internationally accepted FINAT- and ASTM-methods. Test results are available in Technical Data Sheets.

In addition, every component of our complete traceability solution is tested for performance, reliability, compatibility and interoperability, including printers, applicators, engravers and readers.



The background of the entire page is a photograph of several stacked green metal military supply crates. Each crate features a large orange cross on a white circular background. White labels with the text 'GS1' are affixed to the crates. The crates are arranged in a way that shows multiple levels, creating a sense of depth and scale.

Why Brady

STANDARDS AND REGULATORY COMPLIANCE

GS1 - Brady is a GS1 member. We supply identification label design and label printing solutions that are fully compatible with GS1 serial number formats to enable item unique identification (IUID/GIAI) and support EDSTAR best practices.

STANAG - As the manufacturer of finalised components in our traceability solution, we are confident we can meet relevant technical requirements to enable compatibility and interoperability in NATO defence supply chains.

AEO/C-TPAT - Brady is an Authorised Economic Operator (AEO) and a Customs-Trade Partnership Against Terrorism member with a focus on securing our supply chains.

Why Brady

MANAGEMENT SYSTEM CERTIFICATIONS

AS9100 - Having obtained our most recent AS9100-certification without any deviations, we are confident in the ability of our Management System to provide consistent solution quality for defence industries.

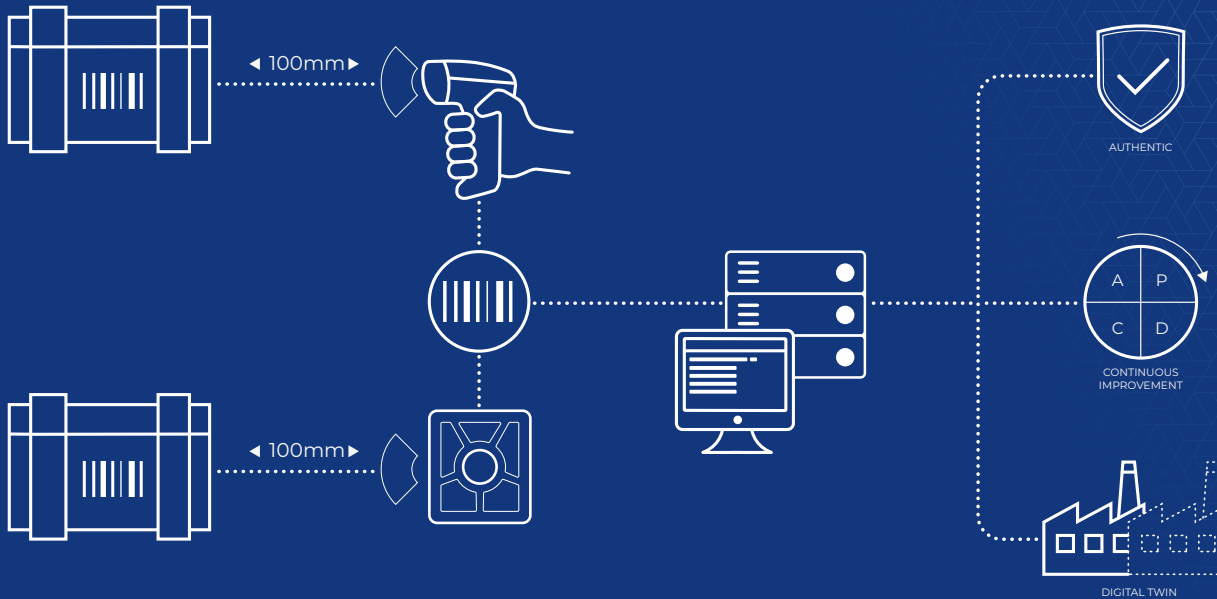
ISO9001 - Also holding the underlying ISO9001-certification highlights our commitment to continuous improvement and consistent product quality.

ISO14001 - We are committed to sustainability and we minimise our environmental footprint, optimise resource use and prevent pollution.



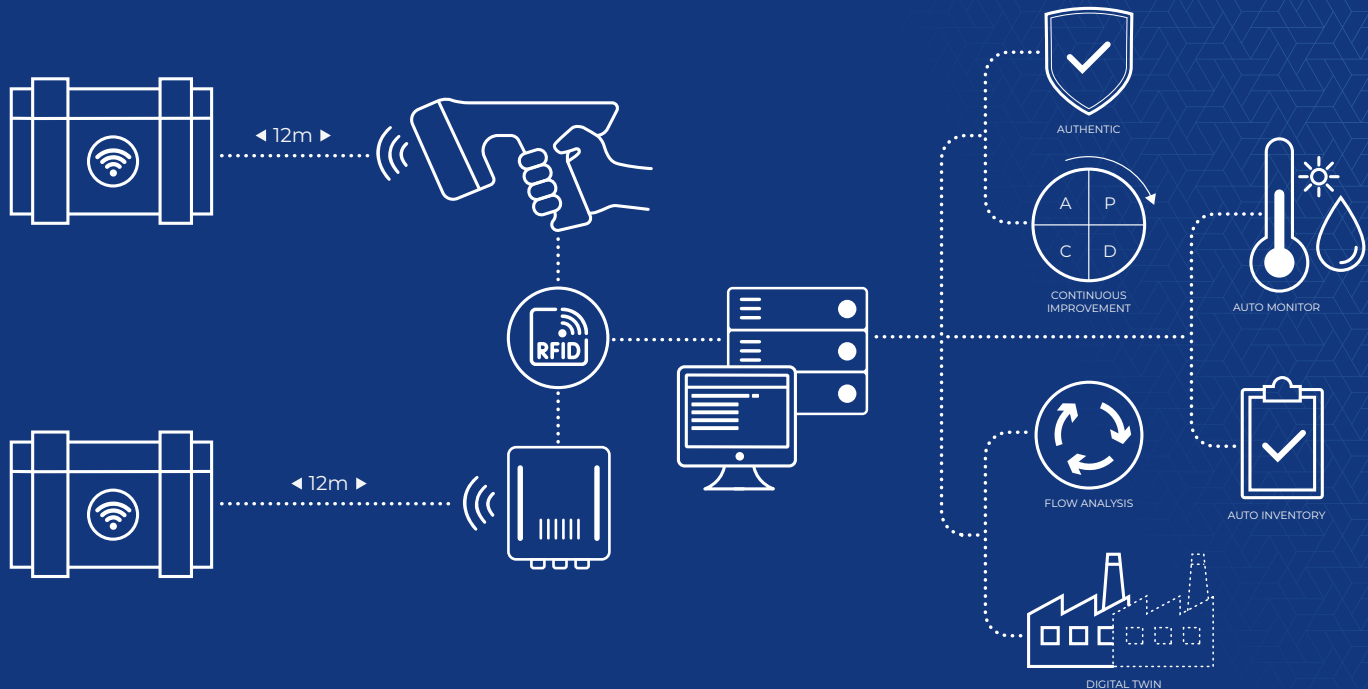
CORE BARCODE SOLUTION

Our barcoding solution to increase supply chain visibility and security enables component authentication, continuous improvement and a digital twin of complete production and logistical processes. The solution involves barcode readers with patented data capture technology, software, laboratory-tested label materials and manual or automated label print and apply systems.



CORE RFID SOLUTION

Our RFID solution to increase supply chain visibility and security enables further automation in component authentication, continuous improvement and the creation of a more complete factory digital twin. It also enables automated environmental monitoring, automated inventory tracking, and production and logistical flow analysis. The solution involves advanced RFID readers with patented data capture technology and edge processing capabilities, software, unique RFID antennas, laboratory-tested label materials and manual or automated label print and apply systems.



Production identification

LIFECYCLE TRACEABILITY

Enable complete visibility for the lifecycle of any produced component or assembly with extremely reliable engravings and labels for cables, components and products.

Brady created the widest range of labels developed specifically to endure the most challenging production and usage conditions. Every label material has been tested in our laboratories, and results are available in Technical Data Sheets.

Offer any labelling challenge you may have, and our experts will guide you to an optimal solution.

▶ Get a sample to
solve your label
challenge



Production identification

LIFECYCLE COMPONENT TRACEABILITY

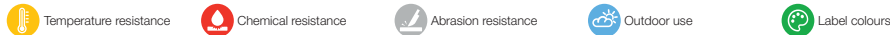
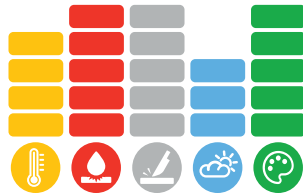
Contact our identification specialists to select the best cable label material, from hundreds of options, for your identification challenge. Standard test results for our cable labels can be consulted online by entering the label material's B-number in our [Technical Datasheet database](#).

CABLE MARKERS

B-342 permasleeve



B-992 fluid line tape



Presented label materials enable compliance with permanency and legibility requirements from MIL-STD-129 'Military marking for shipment and storage', referring to NATO STANAG 4281, and from MIL-STD-130 'Standard practice identification marking of US Military property'.



Production identification

LIFECYCLE COMPONENT TRACEABILITY

Contact our identification specialists to select the best component label material, from hundreds of options, for your identification challenge. Standard test results for our component labels can be consulted online by entering the label material's B-number in our [Technical Datasheet database](#).

COMPONENT MARKERS

B-7727 polyimide (PCB)



Temperature resistance

Chemical resistance

Abrasion resistance

Outdoor use

Label colours

B-428 metallised polyester



B-423 harsh environment polyester



Presented label materials enable compliance with permanency and legibility requirements from MIL-STD-129 'Military marking for shipment and storage', referring to NATO STANAG 4281, and from MIL-STD-130 'Standard practice identification marking of US Military property'.



Production identification

WORK IN PROGRESS TRACKING

Create complete work-in-progress visibility with highly reliable labels, micro-percussion and laser engraving that can resist complete production processes.

Reliable identification can be applied at the start of production, and help generate automated data for continuous improvement, customer traceability compliance, just-in-time processes and digital twins. Read specific component lasered barcodes, label barcodes and RFID codes anywhere along the production line. Maximise accuracy with quality industrial barcode and RFID readers supported by patented data capture technology.

In addition, our readers can process data locally with pre-built software modules to automatically trigger related production and logistical processes.



Discover our readers



We advise to use RFID on returnable transport items or other internal carrier devices, unless otherwise specified by military end-customers. Component barcodes can be linked to RFID tags.

HERO (Hazards of Electromagnetic Radiation to Ordnance) applies for safe RFID tracking in ammunition-rich environments.

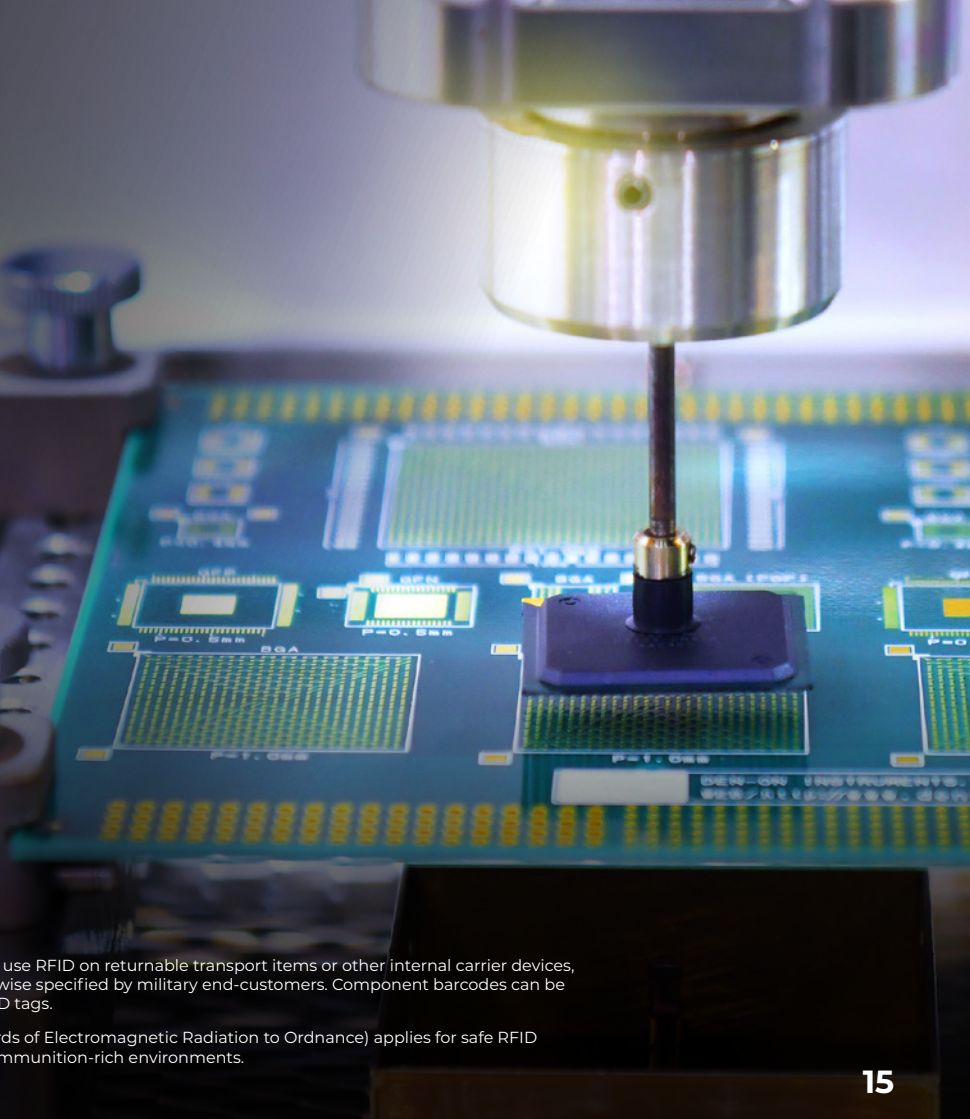
Production identification

SUPPLY CHAIN SECURITY

Easily serialise any cable or component with a worldwide, unique number.

Use GSI-capable identification creation software to uniquely identify every component in production. Traceable to your company and factory, your uniquely identified components help enhance defence supply chain security.

Prevent counterfeit components from entering the supply chain and reducing demand. Share unique identification data captured in real time by barcode readers, or potentially RFID readers, along your production line. Feeding anti-counterfeit systems, shared data enable additional component origin and security checks at the start of any production line in the supply chain.



**Discuss your
identification
questions**



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A close-up, low-angle shot of a complex industrial robotic arm. The arm is constructed from various metal components, including joints, pistons, and hydraulic cylinders. Several identification labels are visible: a yellow band on a vertical cylinder, a red band on a horizontal arm, and a blue band on a lower joint. The background is a soft, out-of-focus industrial setting.

Production identification

PROTECTED LABEL DESIGNS

Meet advanced identification compliance requirements. Further increase component and assembly security.

Available as label consumables, we can manufacture intricately designed labels at Brady factories. Brady printers at your premises will recognise custom labels and can add serialisation data precisely, through bi-directional printer and consumable communication. We offer complete flexibility in label fillable field locations, colours, gradients and security features.



Discuss your
identification
questions



Production identification

IDENTIFY AT PRODUCTION PACE

No need to slow down production to enable accurate traceability and supply chain visibility.

For every production line, in various degrees of automation, Brady provides solutions to increase identification speed. Scan a work order to trigger printing the right labels. Automatically source the right print data from central company systems. Trigger printing with a sensor, with an inline barcode reading, or an RFID reading. Add a cable, component or product label applicator to an inline or standalone printer. Or include a print command button in your existing applications.

We have a solution to avoid bottlenecks and enable identification at your production pace.

 **Discuss your identification questions**



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Production identification

LOW VOLUME IDENTIFICATION

Do you have high value components that require several distinct labels in low volumes?

Our high mix, low volume industrial printers may solve any sourcing issues you might have for these labels. Enabling consumable switches in 20 - 40 seconds, the printer range auto-adapts label material burn, format and size settings instantly when a new Brady consumable is loaded.

In addition, the BradyPrinter S3700 can also create unique label shapes using a built-in X-Y plotter. Alternatively, our high quality laser engravers may solve your identification challenge.



Discover our
printers



Discover our
engravers



Logistics identification

AUTOMATED INVENTORIES

Know exact volumes of each asset in your warehouse, at all times.

Optimally support just-in-time processes and supply security with automatically updated critical supply inventory lists.

UHF RFID reader gates at warehouse entrances automatically update inventory lists for all assets, asset packaging or pallets identified with passive RFID labels. The readers determine asset or pallet movement direction and consequently add to or subtract them from supply inventory lists. They can also trigger automated part reorder processes based on real-time data and custom supply thresholds.



**Discover more
RFID solutions**



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Logistics identification

INVENTORY CONDITION MONITORING

Get automated alerts for undesired temperatures, moisture or strain.

Passive RFID labels with built-in sensors can share readings every second with the UHF RFID readers that power them. Data can be buffered, processed locally on the reader, and shared via standard protocols to trigger custom SMS and email warnings, or even an autonomous vehicle.

For assets that pose great risk when heating up, or that lose potency above or below specific environmental parameters, our solution presents a highly efficient monitoring alternative. Sensing RFID tags can be applied on the assets themselves, or on their packaging.



**Discuss your
identification
questions**



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A man wearing a yellow hard hat and a black shirt is operating a forklift in a warehouse. The forklift is orange and black with yellow and black hazard stripes. He is looking up and to the right. In the background, there are high industrial shelving units filled with cardboard boxes.

Logistics identification

FASTER ITEM PICKING

Read barcodes with extreme accuracy, or enable pick-to-light applications.

Read damaged, distorted and dirty barcodes from various angles using quality readers with patented data capture technology inside. Alternatively, home in on asset packaging or the right racking location from a 15 meter distance with portable RFID readers that will activate an RFID LED label at a distance of 1.5 meters.

Our quality readers can share data with a range of systems via commonly used industrial protocols.



Discover our
readers



Logistics identification

AUTOMATED TOOL ALLOCATION

Maximise high value tool availability without any administration.

Automatically assign high value tools to specific coworkers when they leave the tool shop with it. A UHF RFID reader can detect the tool's RFID tag and a coworker RFID badge or helmet tag, determine the direction they are going and assign the tool tag to the worker.

The RFID reader will also update tool workshop inventory lists, provide automated data on tool use and enable automated reminders to return tools.



**Discuss your
identification
questions**



HERO (Hazards of Electromagnetic Radiation to Ordnance) applies for safe RFID tracking in ammunition-rich environments.

Logistics identification

ASSET RETRIEVAL

Home in on misplaced tools and assets with sounds and visuals from a last seen location.

With data capture technology that detects radiosignal strength, our portable RFID readers enable users to home in on RFID labelled assets from a 15 metre distance. Start at a last seen location where the asset's unique RFID code was last read by a fixed RFID reader.

Our portable RFID reader settings can be changed to provide visual, auditive and haptic feedback when closing in on a specific, on-screen select asset's RFID code.



**Discuss your
identification
questions**



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Logistics identification

TRANSPORT MONITORING

Automate cargo checks, first in/last out processes, proof of delivery and cargo environmental monitoring.

With quality RFID readers, and an installed edge client, advanced logistics automation becomes available. Based on an asset delivery list, the readers can calculate an optimal picking order to guide forklifts and pallet jacks. They can trigger lights or sounds to confirm loading order and cargo correctness.

In addition, readers can detect RFID-labelled assets or asset packaging moving out of trucks, complete with GPS coordinates and time stamp, store these data locally or optionally share as soon as internet connection is restored. They can also share temperature and moisture readings taken during transit. They can optionally track real-time locations of the trucks as long as internet connection is available.

 **Discuss your
identification
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Logistics identification

SEALED COMPONENTS

Enable visual proof of package tampering with a range of options to seal sensitive components, containers and vehicle cargo.

Protect sensitive physical documents while travelling in steelbags, sealbags and security bags, or a combination of the above.

Our Transposafe brand offers solutions to protect cargo, to deter unauthorised opening and to provide visual proof of package tampering.



Discover
Transposafe
solutions



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Maintenance, Repair and Overhaul identification

AUTOMATED ASSET READ-OUTS

Get a complete reading of asset component types, manufacturers, age and maintenance history from a single master barcode that links all installed unique component serial numbers.

Any asset component that needs replacing can be flagged automatically versus an existing list. Maintenance history per component can become visible or automatically highlight components that need replacing. Per component reading, after a visual check, internal spare part orders can be triggered.

In addition, warehouse RFID readers can instantly highlight the availability of specific spare parts by reading RFID-labelled spare part carriers or packages. Combined data can track actual supply levels to trigger external ordering processes versus user defined supply thresholds.

 **Discuss your
identification
questions**



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Maintenance, Repair and Overhaul
identification

SCAN TO ORDER

Read a component's unique barcode to trigger a replacement order from internal supplies or external vendors.

Our portable barcode readers can be programmed to include menus with a list of functionalities, including an internal order process trigger. In addition, our readers can feed centralised systems with data on actual supply levels to trigger a reorder process when user-specified supply thresholds are reached.

▶ Discuss your
identification
questions



Maintenance, Repair and Overhaul
identification

FAST LABEL DUPLICATION

Need to quickly replace a worn label with a new one, or apply an additional label on a new component?

Our scan & print app duplicates labels, complete with barcode data. Select a reproduction option on our high quality readers, and scan a label to trigger a Brady printer. Or scan a barcode on a work order to print the right label.

A Brady printer can even provide feedback on which label material to load via bi-directional communication with our consumables and readers.



Discuss your
identification
questions



Maintenance, Repair and Overhaul
identification

ACCESS CONTROL

Easily grant or deny access to specific, higher security areas within your facility.

Print coworker badges in minutes at your premises, complete with customisable templates and security features, including holograms. Badges can be barcoded, or have embedded RFID technology to open doors without requiring a manual scan.

When, while a door is open for an authorised ID, a non-authorised ID is detected by our RFID reader, it can activate a light, sound or trigger a silent notification via email or sms.



**Discuss your
identification
questions**



HERO (Hazards of Electromagnetic Radiation to Ordnance) applies for safe RFID tracking in ammunition-rich environments.

Safety identification

SAFER MACHINE INTERVENTIONS

Enable safer machine interventions by temporarily isolating a machine from all its energy sources.

Lockout/Tagout prevents machine energisation while maintenance is ongoing. Relevant energy source control points like buttons, levers and valves are blocked in the off-position. A fitting lockout device is locked into place with a safety padlock, and the keys are kept by active maintenance personnel.

Brady engineers write best practice, machine-specific lockout procedures in a dedicated software programme you control. We can supply all padlocks, devices and accessories, and lay them out on highly visible, custom tool shadowboards.



Discover
Lockout/Tagout



Safety identification

TOOL INSPECTIONS

Let your tools trigger their own inspection notifications.

RFID labelled tools, when in range of a fixed RFID reader, can trigger advance notifications that they are in need of inspection. Notifications can be based on the last inspection date, or the number of times a tool has been collected from an in-company tool shop.

Inspectors can home in on the tool with visuals and sound generated by a portable RFID reader, access a matching tool inspection template, share the inspection report, flag the tool or complete the inspection to reset the counter.

 Discuss your identification questions



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We make products that make the world a safer and smarter place.
From the depths of the ocean to outer space, from the factory floor to
the delivery room - **we're just about everywhere you look.**

Uw Brady disributeur

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