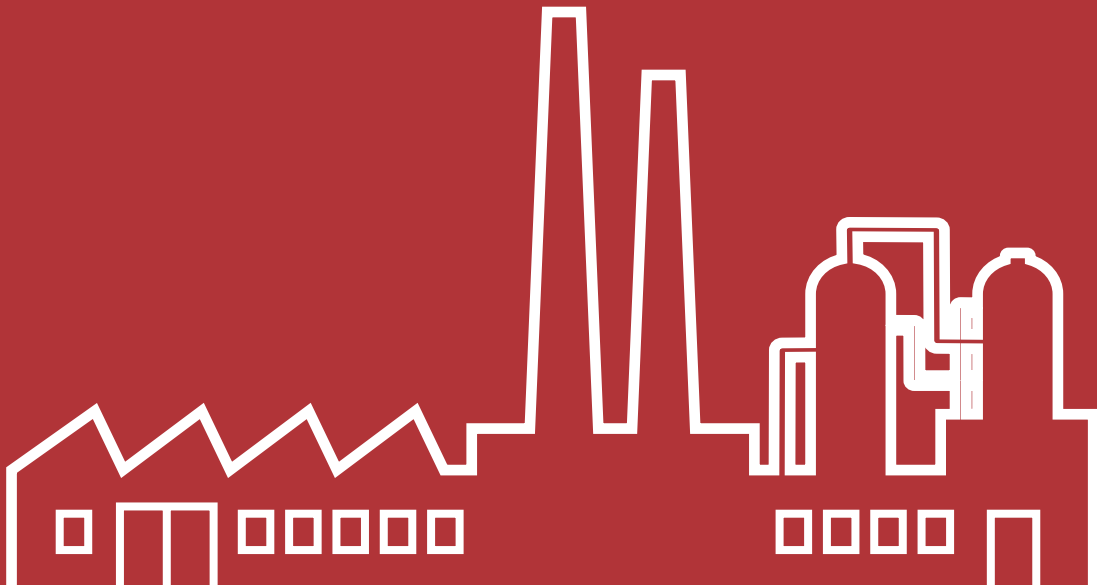# Manufacturing Solutions

Warehousing | Production Line | Logistics

GSM
BARCODING

Warehousing

A manufacturing warehouse can hold both pre manufactured materials and parts as well as finished goods. It is important for warehouses to maximise inventory throughput, increase productivity and improve accuracy to avoid errors and unnecessary costs. Real-time data capture devices assist workers to identify and locate the correct items and send them to the appropriate destinations.

Vehicle Mounted Computers - Built to handle the constant pounding of material handling equipment inside and outside the four walls, these devices can be used for item location and identification.

Long Range Scanning - With the ability to scan barcodes from as far as 54 feet away, long range scanners allow workers to quickly identify parts and goods for efficient picking and packing. Our range of industrial scanners come with IP ratings and drop specs ready for a busy warehouse environment.

Rugged IP Ratings - It's important for warehouse workers to have reliable devices that can withstand multiple drops to concrete. We offer a wide range of handheld computers and scanners with IP ratings up to IP67, providing users with a robust data capture solution.

Receiving
- Receipt of Delivery
- Quality Check
- Registering Goods

Put-away
- Palletise
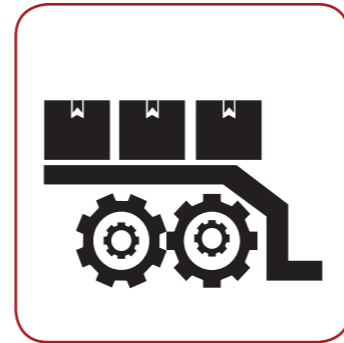- Item Allocation
- Stocking

Picking
- Item Identification
- Item Location
- Collection

Production Line

Logistics

Manufacturing production lines need to run efficiently to avoid unnecessary costs that can be caused by worker error and downtime. Barcodes and barcode readers can be used to collect information on items and identify which stage in the manufacturing process they are in. Barcode technology is ideal for asset tracking, asset labelling and work-in-progress.

Scanner/Imager - Used to scan work-in-progress, scanners allow build specifications to be quickly viewed on screen. This helps workers to identify what stage in the process a product is at and how far is left until it is complete.

Barcodes and RFID - Assets are tracked continuously through the production process using active tags. Passive auto-ID technologies such as barcode and/or passive RFID are a means of gathering point-in-time information on items as they work their way through the downstream supply-chain process.

Labelling - Is important in the production process. With the use of a handheld scanner or PDA, printed barcodes provide workers with information at each stage of the manufacturing process. In a manufacturing environment labels can also be used for asset tracking, component and compliance labelling and small parts labelling.

The correct goods need to be picked, packed and dispatched to the right destinations. Auto ID and Data Capture technology can be used to identify goods and track its delivery.

Mobile Printers - Are an ideal solution for quick on-the-spot labelling for goods out. We offer a range of mobile printers with proven drop-resistant durability and user-friendly productivity-boosting features that are perfect when fast and accurate printing is required for dispatch.

GPS Tracking - Allows workers to monitor and update customers on every step of the delivery, from start to finish, from leaving the warehouse, right through to being delivered to the customer. A selection of our handheld devices offer GPS along with options for WWAN or WLAN connectivity for tracking and monitoring, but also to provide an extra level of customer service.

Asset Tracking
- Identification of Goods
- Location Tracking
- Progress Tracking

Work-in-progress
- Work-in-progress Labelling
- Next Steps Scanning
- Completion Labelling

Continued Productivity
- Asset Labelling
- Workstation Replenishment

Stock Management
- Cycle Counting
- Replenishment
- Stock Rotation

Dispatch
- Invoicing
- Dispatch Labelling
- Loading of goods

Delivery
- Journey Tracking
- Evidence of Delivery
- Customer Receipt

Focus Handheld Devices

Other Mobile Devices

	Datalogic DL- Axist	Datalogic Falcon X3+	Honeywell CK71	Janam XT2	Opticon H-21	Panasonic FZ-N1	Trimble Juno T41	Zebra TC8000
Warehouse	✓	✓	✓	✓	✓	✓	✓	✓
Production Line	✓	✓	✓	–	–	✓	✓	✓
Logistics	✓	✓	✓	✓	✓	✓	✓	✓
Operating System	Android 4.1	Windows CE 6.0 Pro or WEH 6.5	WEH 6.5.3	Android 5	Windows Mobile 6.5	Android 5.1.1	WEH 6.5 or Android 4.1	Android 4.4.3 KitKat
IP Rating	IP67	IP65	IP67	IP67	IP64	IP67	IP68	IP65
Drop Spec	1.8m	1.8m	1.8m	1.5m	1.5m	1.8m	1.22m	1.8m
Imager	Yes	Yes	Yes	Yes	Yes	Yes	Optional	Yes
Laser Scanner	-	Yes	-	-	Yes	-	-	Yes
WLAN	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WWAN	Yes	No	No	Yes	-	Yes	Optional	No
GPS	Yes	No	No	Yes	Yes	Yes	Yes	No
Bluetooth	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NFC	Yes	No	No	Yes	No	Yes	No	No
Display	5" TFT	**3.5" TFT**	3.5" VGA	5" WXGA	2.8" TFT LCD	4.7"	4.3" WVGA	4" TFT LCD
Camera	5MP	3.1MP	5MP	8MP	3.2MP	8MP	8MP	8MP
Memory	1GB RAM 8GB Flash	256MB RAM 1GB Flash	512MB RAM 1GB Flash	1GB RAM 8GB Flash	256MB RAM 256MB Flash	2GB RAM 16GB Flash	512MB RAM 32GB Flash	16GB RAM 8GB Flash
RFID	-	-	-	Yes	-	-	Optional	No
Weight	Up to 400g	674g	584g	279g	253g	277g	382.7g	Up to 500g

Other Handheld Devices

We offer a range of diverse handheld devices which serve the manufacturing and logistics sector, with a host of key features and benefits including: rugged IP ratings up to IP68, large touchscreen devices up to 5" with options for Gorilla Glass or a sunlight readable screen, WLAN and WWAN connectivity options, NFC Reader/Writer, Smartphone style devices, laser scanner or CMOS imager and camera options up to 5 megapixels.

Other choices include multiple operating systems from Windows Mobile, Windows Embedded Handheld, Windows CE or Android.

Datalogic Skorpio X3 · Datalogic Elf · GEN2Wave RP1200 · Honeywell Tecton · Honeywell CK3R/CK3X · Janam XG3 · Opticon H-32 · Panasonic FZ-E1 · Zebra MC9200 · Zebra Omni XT15 · Zebra TC70

Vehicle Mounted Computers and Detachable Notebooks

GSM Barcoding have a range of rugged vehicle mounted computers that are ideal for busy manufacturing warehouses and yards. They provide equipment handlers with the real time information needed to meet the constant demands of a busy manufacturing environment, allowing products to be moved quickly and efficiently.

Our vehicle mounted computers offer IP ratings up to IP66 and large touch screens up to 12.1" which are also sunlight readable. Flexible WWAN or WLAN connectivity means these devices can easily fit in to a current infrastructure, increasing efficiency and productivity.

Our fully rugged detachable notebook from Panasonic delivers 10,1" touchscreen display, IP65 rated, 14 hour hot swappable battery life and Bluetooth, WLAN, LAN, and optional GPS.

Honeywell Thor VM3 · Panasonic CF-20 · Zebra VH10

Printers

	Brother PJ-700	Honeywell MicroFLASH	Honeywell PC42t	Honeywell PX Series	Zebra ZD500	Zebra QLn Series	Zebra ZT Series
Warehouse	-	✓	-	-	✓	✓	✓
Production Line	-	-	✓	-	-	✓	✓
Logistics	✓	✓	-	✓	✓	✓	-
IP Rating	N/A	N/A	-	-	-	IP43 (IP54 with case)	-
Drop Protection	N/A	1.8m	-	-	-	1.83m	-
WiFi	Optional	No	No	Yes	Yes	Yes	Optional
Bluetooth	Optional	Yes	No	No	Yes	Yes	Yes
USB	Yes	No	Yes	Yes	Yes	Yes	Yes
Serial	No	No	Yes	Yes	Yes	Yes	Yes
Ethernet	No	No	Yes	Yes	Yes	Optional	Yes
Print Speed	Up to 8 pages per minute	Up to 2ips	Up to 4 ips	Up to 12 ips	Up to 3 ips	4 ips	Up to 12 ips
Print Width	Up to 8.2"	Up to 4"	Up to 4.2"	Up to 6.6"	Up to 4"	Up to 4"	Up to 6.6"
Print Resolution	Up to 300dpi	Up to 203dpi	Up to 203 dpi	Up to 406dpi	203 dpi	203 dpi	Up to 600 dpi
Print Method	Direct Thermal	Direct Thermal	Direct Thermal or Thermal Transfer	Direct Thermal or Thermal Transfer	Direct Thermal or Thermal Transfer	Direct Thermal	Direct Thermal or Thermal Transfer
Memory	32MB Flash 32MB RAM	N/A	64MB Flash 64MB RAM	16MB Flash 32MB RAM	256MB Flash 128MB RAM	256MB Flash 128MB RAM	512MB Flash 256MB RAM

Zebra's QLn printers all have weblink capabilities allowing them to securely connect directly to the cloud. This is ideal for cloud based remote management software.

Other Printers

We offer a range of printers which serve the manufacturing and logistics sector, whether it's an Industrial, Desktop or Mobile printer, they are equipped with the features your customers' depend on.

The key features and benefits include Direct Thermal and Thermal Transfer printing, print resolutions up to 600dpi, print speeds up to 10ips, print width up to 8.5", up to 512MB Flash memory, up to 256MB RAM and multiple connectivity options including WiFi, Bluetooth, USB, Ethernet, RS232 and Serial. Other features include IP ratings up to 54, drop specifications up to 1.83m and optional RFID.

Honeywell H Class	Honeywell M Class	Honeywell PD41/42	Honeywell PD43/PD43C	Zebra P4T	Zebra ZQ510/520	Zebra GK420	Zebra GT800	Zebra XI 4

Honeywell Media

Labels - Honeywell Duratherm and Duratran labels are engineered to provide excellent print quality. Both available for direct thermal and thermal transfer printers.

Ribbons - Honeywell ThermaMAX ribbons provide optimum print quality when matched with correct labels and tags.

Tags - Available in both paper and synthetic face stock, Honeywell tags survive the harshest environments with products that resist abrasion, moisture and synthetic face stock.

Zebra Media

Genuine Zebra supplies gives your customers access to a large selection of quality pre-tested, stock and custom supplies manufactured by printing technology experts.

Labels and Tags - Zebra labels are performance matched to Zebra tag and label printers for crisp, dependable output, ensuring continuous reliable and high-quality printing.

Ribbons - Genuine Zebra ribbons provide quality and durable results. Choose from Wax, Wax/Resin and Resin thermal ribbons.

Scanners

	Datalogic PD9500	Datalogic PM9500	Honeywell Granit 1981i	Honeywell Voyager 1400g	Opticon OPI/OPR-1101	Opticon OPI-3301i	Zebra 3600 Series
Warehouse	✓	-✓	✓	✓	-✓	✓	✓
Production Line	✓	✓	-	-	-	-	✓
Logistics	✓	✓	✓	✓	✓	✓	✓
Scan	Laser or Imager	Laser or Imager	Laser or Imager	Imager	Laser or Imager	Imager	2.4m
Scan Rate	Depth of field up to 43.3"	Depth of field up to 43.3"	Up to 36 scans per second	Up to 400 scans per second	Up to 570mm	100 scans per second	Up to 21.4m
Drop Spec	2m	2m	2m	1.5m	1.5m	1.5m	2.4m
IP Rating	IP65	IP65	IP65	IP42	-	IP42	IP65 and IP67
Weight	330g	up to 400g	335g	119g	140g	132g	Up to 411g
Colours	Yellow / Black	Yellow / Black	Red and Grey	Black	Black	Black	Black, Green
Interfaces	USB, RS232, Keyboard Wedge, Wand Multi-Interface	Keyboard Wedge, RS232, RS485, USB	USB, RS232	USB, Keyboard Wedge, RS232, IBM 46xx (RS485)	Zigbee, USB	Bluetooth	USB, Bluetooth, RS232, Keyboard Wedge
Warranty	3 years	3 years	3 years	5 years	2 years	5 years	3 years

All product matrices and product information in this brochure are model dependant, and full product specifications can be found either on our website - www.barcoding.co.uk or by contacting the Sales Team on 01833 637 647 (north office) or 01582 869 000 (south office).

Other Scanners

GSM Barcoding offer a range of 1D and 2D handheld scanners which serve the manufacturing and logistics sector, with a host of key features including: Laser or Imager scanning options, IP ratings up to 65, drop specifications up to 2m, lightweight design, long-range scanning capabilities, and multiple interface options including RS232, RS485, USB, Keyboard Wedge, TTL, WLAN and Bluetooth.

Other choices include DPM (Direct Part Marking) barcode scanning, good read feedback technology, LED lights for clear visability and a wide range of accessories available.

Datalogic DPM Series
Datalogic Gryphon GD440
Honeywell Eclipse 5145
Honeywell Hyperion 1300g
Honeywell SR61
Honeywell Xenon 1902
Honeywell Voyager 1250g
Zebra L14278
Zebra LS2208

Companion Scanners

GSM Barcoding offer a range of companion scanners that are compact and lightweight, packed with features including: 1D and 2D barcode scanning, IP ratings up to 54, drop specifications up to 1.8m, up to 20 hours battery life on a full charge, up to 2,250 scans on a single charge, and mini USB and Bluetooth for wireless communication.

Other features include Android and iOS compatibility, multi-coloured aiming LED and operating temperatures from -10 to 50 ˚C.

Honeywell 1602g
Datalogic RIDA
Opticon OPN-3002
Opticon PX20
Opticon OPN-2006
Zebra CS3000

DATALOGIC AUTOMATIC DATA CAPTURE
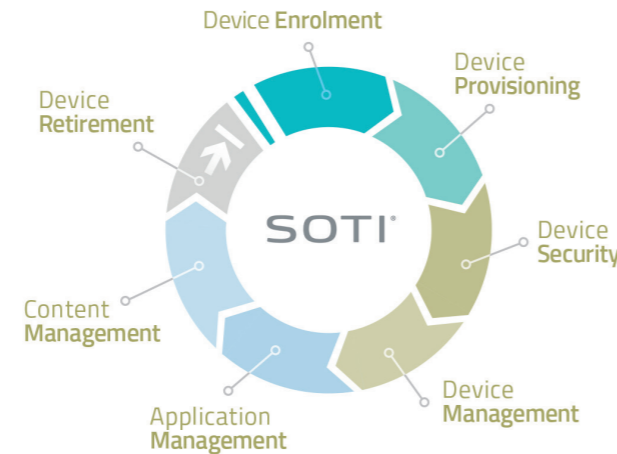**Honeywell**
OPTICON
ZEBRA

Empower enterprise mobility with MobiControl

Enterprise mobility is central to an overall IT strategy to accommodate a fundamental shift towards connecting people, processes, and end points that need to be managed with a consistent set of security and privacy policies.

SOTI recognises that mobility management is not one size fits all. Enterprises have different deployment requirements, and SOTI offers a flexible solution that can accommodate all models of enterprise mobility deployment.

- Manage Devices from a Single Pane of Glass
- Enhanced Enrolment with Zero IT Intervention
- Remote Control & Remote View
- Real-Time Geo-Aware Policies
- Flexible Deployment Architecture
- Intuitive User Experience
- Safeguard from Mobility Threats & Viruses
- Enterprise Grade Content Management
- Enable Access & Privacy of Corporate Email
- Advanced Security Management

Each of the brands that GSM Barcoding distribute offer an extra level of service to you with their extended service contracts or service level agreements.

What is the difference between a Service Contract and a Warranty?

Warranty - A manufacturer warranty is standard with any hardware device and is usually 1 year minimum as standard. They give you peace of mind that the device will last at least until the warranty period expires.

Service Contracts - A Service Contract is an extra level of cover which can often last longer than the warranty and protects the device for elements which the warranty does not, e.g. abuse, accidental damage or water damage. Turnaround repair times can also be quicker and more flexible. Service contracts often offer replacement devices while the original is being fixed, therefore a Service Contract can be tailored to your requirements.

Why should I take out a Service Contract? - A Service Contract offers a higher level of cover than a warranty and gives more flexible options dependent upon your requirements and how you will be using the device. It gives peace of mind that you will be covered for exactly what they need aside from the standard warranty.

What do you mean by abuse? - Abuse refers to the accidental mistreatment of a device, for example if it were dropped. Abuse does not cover anything that is deliberate and has intent to damage, or damaging the device on purpose, for example if the device were to have a screwdriver through the screen.

What does turnaround time mean? - The turnaround time refers to how long the device will take to be fixed from the moment that it is received by the manufacturer. If a device takes a week in transit to get to the repair centre, the turnaround time will not begin until it is received. The turnaround time does not include transit time for the device to get to the repair centre or to be returned.

Users

- Customers
- Employers
- Contractors
- Partners

Processes

- Email
- Calendar
- Apps
- Content
- Services

Endpoints

- PCs
- Tablets
- Smartphones
- Scanners
- Smart Peripherals
- Wearables

Operating Systems

- Android
- iOS
- Windows

| E: sales@barcoding.co.uk | W: www.barcoding.co.uk |

Northern Office
15a Redwell Court, Harmire Enterprise Park, Barnard Castle, Co. Durham, DL12 8BN
T: +44 (0) 1833 637 647

Southern Office
Park House, Parkside Drive, Houghton Regis, Bedfordshire, LU5 5QL
T: +44 (0) 1582 869 000

GSM **BARCODING**