

RUGGED SCANNERS AT-A-GLANCE



RELIABLE, HIGH-PERFORMANCE SCANNING
FOR EXTREME ENVIRONMENTS



**WHEN YOU NEED
BAR CODE SCANNING
IN THE MOST
DEMANDING
ENVIRONMENTS,
MOTOROLA RUGGED
SCANNERS ARE READY
FOR THE JOB.**



FIRST TIME EVERY TIME SCANNING OF VIRTUALLY ANY BAR CODE...IN THE MOST EXTREME CONDITIONS.

Motorola's portfolio of rugged scanners delivers the everyday dependable performance you need in the harshest of conditions — from the warehouse aisles to receiving docks, manufacturing production lines and even outdoors in a yard. These scanners can be dropped or covered in mud, dust, grease or water, yet still allow your workers to continually capture information, protecting productivity, efficiency and customer service. And since this family of scanners is built to deliver years of service in the most extreme conditions, you can count on a low total cost of ownership.

RUGGED DESIGN...DEPENDABLE PERFORMANCE...POINT AND SHOOT SIMPLICITY...AND ALL DAY COMFORT.

Built for the harshest conditions

Our rugged scanners are ready for your most extreme environments. Most rugged scanners offer the maximum drop specification for this device category, able to handle the impact of a 6.5 ft./2 m drop to concrete. And since all devices are sealed, they'll continue to operate reliably, even if they are exposed to dust, mud, grease or even a spilled beverage.

Industry-leading scanning performance

Just like every other Motorola product that offers scanning capability, our rugged scanners offer the bar code scanning performance that has made Motorola the leader in the bar code industry. Your workers can count on a successful scan, even if the bar code is dirty, scratched or damaged. And with our best-in-class scanning technology, scanning speed is unparalleled on any bar code.

Scanning at almost any distance

Match the scanner to your decode distance requirements, whether your bar codes are near contact or on the top shelves of your warehouse up to 45 ft./13.7 m away.

Diverse data capture options

Choose the device that captures the type of data you need — from 1D and 2D small or oversized bar codes to direct part marks (DPM) and images.

Easy scanning in noisy environments

Your harshest industrial environments are most likely also noisy. That's why our rugged scanners provide users with two types of feedback to verify a successful scan: beepers and bright LED indicators. And most of our scanners also provide physical feedback with vibration.

Ease-of-use and all day comfort

Motorola is known for ergonomic design, and it shows in our rugged scanners. Our well balanced designs provide all day comfort, even in the most intensive scanning applications. And workers can easily operate the device, with or without heavy gloves.

Next-generation DPM technology

If you need to capture DPM codes, our leading-edge DPM technology makes it easy and affordable. Our compact handheld DPM-enabled devices offer a much greater scanning distance than the typical DPM reader. And our patented, highly-advanced EZ-DPM software captures the widest range of mark sizes and densities, regardless of surface — including the hardest to read DPM codes.

MOTOROLA’S FAMILY OF RUGGED SCANNERS

			STYLE		DATA CAPTURE FUNCTIONALITY							SECURITY	RUGGED SPECIFICATIONS	
	Photo	Description	Corded	Cordless	1D Bar Codes	2D Bar Codes	Direct Part Marks (DPM)	Image Capture and Transfer	Fuzzy Logic*	Optimized for Dense Bar Codes	Extended Working Range	FIPS 140-2 Validated	Sealing	Drop Specification
LASER SCANNERS														
LS3008		The LS3008 delivers affordable performance and durability in a lightweight ergonomic design that's ideal for light industrial, healthcare and retail environments. With single board construction and Liquid Polymer Scan Technology, the LS3008 is built for all day every day use, providing the highest level of uptime performance in its class. The easy-to-use handheld device requires virtually no training, offers a wide working range and is packed with features to deliver first time, every time scanning. The LS3008 can endure wipe downs and be sanitized in clean manufacturing environments.	•		•								IP53	6.5 ft./2 m drop to concrete
LS3408-ER		The handheld LS3408-ER scanner captures 1D bar codes in the harshest of conditions — regardless of whether labels are near or far. Featuring the widest working range available, the scanner reads labels as far away as 45 ft. (13.7 m) and as close as .25 in. (0.64 cm). This highly flexible device is ideal in the yard, warehouse, distribution center, manufacturing plant or retail store, where the dual-scan angle allows easy scanning of items on pallets and shelves as well as tiny bar codes on pick lists at close range. An ergonomic design makes scanning comfortable during long shifts. And multiple on-board interfaces ensure compatibility with different hosts for easy integration into your existing technology environment.	•		•						•		IP65	6.5 ft./2 m drop to concrete
LS3578-ER		The LS3578-ER cordless scanner reads 1D bar codes from near or far distances. With the widest working range available, this rugged scanner reads labels as far away as 45 feet (13.7 m) and as close as .25 inches (0.64 cm). The dual-scan angle allows easy scanning of items on pallets and shelves as well as tiny bar codes on pick lists at close range. Onboard Bluetooth® capability gives workers the cordless freedom to scan bar codes from practically anywhere in the yard, warehouse, distribution center, manufacturing plant and other harsh environments.		•	•						•		IP65	6.5 ft./2 m drop to concrete
LS3408-FZ		The corded LS3408-FZ captures all 1D bar codes, even when they're dirty or damaged. This rugged handheld scanner features fuzzy logic technology for fast and accurate reading of the damaged, dirty and poorly-printed bar codes typically found in industrial environments. The LS3408-FZ offers superior performance and user-friendly ergonomics for maximum user comfort — even with intensive scanning on an eight-hour shift. And multiple on-board interfaces ensure flexible plug-and-play connectivity with different hosts for easy integration into your existing technology environment.	•		•				•				IP65	6.5 ft./2 m drop to concrete
LS3578-FZ		The cordless LS3578-FZ offers superior performance, reliability and ergonomics for tough industrial environments — from the yard, warehouse and distribution center to the manufacturing plant and retail store. With fuzzy logic technology, workers can rapidly and accurately read damaged, dirty and poorly printed 1D bar codes. Integrated Bluetooth® guarantees reliable and secure wireless data transmission between the scanner and host, up to 300 ft./100 m away (dependent upon environment), allowing employees to move freely throughout their work environment.		•	•				•				IP65	6.5 ft./2 m drop to concrete
LASER SCANNER/DIGITAL IMAGER														
MT2000 Series		The MT2000 Series combines the simplicity of a scanner with the intelligence of a mobile computer in a rugged ultra-ergonomic gun-style form factor. 802.11a/b/g (MT2090 models) offers wireless freedom for easy scanning throughout your facility. Choose the scan engine that best meets your bar code scanning requirements — a 2D imager for aggressive performance on 1D/2D bar codes plus the ability to capture signatures, photos and video or a 1D laser scanner for superior 1D laser scanning technology, including the ability to capture 1D bar codes from as close as one inch/2.54 cm to as far as 16 ft./4.87 m away (MT2090-ML and MT2070-ML models).	•	•	•	•	•	•**		•	•	•	IP54	6 ft. (1.8 m) drops to concrete/ 250 3.2 ft. (1 m) tumbles (500 drops)
DIGITAL IMAGERS														
DS3508-SR		The DS3508-SR brings comprehensive, high performance data capture to harsh industrial environments. Engineered with breakthrough digital imaging technology, this scanner delivers extremely fast and accurate data capture of 1D and 2D bar codes as well as images. With a CMOS image sensor and a powerful 624 MHz microprocessor, the DS3508-SR can capture and process bar codes at a faster pace than the typical digital scanner — ideal for the production line and other fast-paced environments. And with the ability to capture and transfer images, workers can capture a photograph of a damaged shipment or product, eliminating the need to carry a separate digital camera.	•		•	•		•					IP65	6.5 ft./2 m drop to concrete
DS3578-SR		The cordless DS3578-SR with integrated Bluetooth® lets employees move freely throughout the work environment — improving productivity, efficiency and worker safety. Engineered with breakthrough digital imaging technology, this scanner delivers extremely fast and accurate omnidirectional data capture of 1D and 2D bar codes. With a CMOS image sensor and a powerful 624 MHz microprocessor, the DS3578-SR can capture and process bar codes at a faster pace than the typical digital scanner — ideal for the production line and other fast-paced environments.		•	•	•		•				•	IP65	6.5 ft./2 m drop to concrete
DS3508-HD		The DS3508-HD offers the same ergonomics, reliability and breakthrough imaging performance of the DS3508-SR — and is optimized for comprehensive 2D bar code capture. With the DS3508-HD, workers can capture the very tiny and dense 2D bar codes frequently found in warehousing, transportation and logistics and manufacturing environments. Even small parts with small bar code labels can be easily scanned.	•		•	•		•		•			IP65	6.5 ft./2 m drop to concrete
DS3578-HD		The DS3578-HD combines breakthrough digital imaging technology and Bluetooth® cordless freedom for extraordinary performance and flexibility in industrial environments. With the DS3578-HD, workers can capture the very tiny and dense 2D bar codes frequently found in warehousing, transportation and logistics, and manufacturing environments. And integrated Bluetooth® sheds the cords between the scanner and host, so employees can move freely throughout the work environment for greater productivity, efficiency and worker safety.		•	•	•		•		•		•	IP65	6.5 ft./2 m drop to concrete
DS3508-DP		The powerful DS3508-DP captures all 1D and 2D bar codes, as well as virtually every type of direct part mark (DPM) with extraordinary speed. This corded device integrates the breakthrough imaging performance of the DS3500 Series, along with our patented EZ-DPM software, the focusing capability of the DS3508-HD and integrated IUID parsing capability. The result is a single cost-effective data capture solution that lets government agencies and industrial manufacturers (including automotive, aerospace and medical) affordably enhance their quality processes and improve product lifetime traceability.	•		•	•	• (EZ-DPM)	•		•			IP65	6.5 ft./2 m drop to concrete
DS3578-DP		The cordless DS3578-DP captures all 1D and 2D bar codes, as well as virtually every type of direct part mark (DPM) with extraordinary speed. Engineered with the breakthrough digital imaging technology of the DS3500 Series, this device features our patented EZ-DPM software, the focusing capability of the DS3508-HD, integrated IUID parsing capability and Bluetooth® cordless freedom.		•	•	•	• (EZ-DPM)	•		•		•	IP65	6.5 ft./2 m drop to concrete
DS3508-ER		The DS3508-ER offers the same ergonomics, reliability and breakthrough imaging performance of the DS3500 Series and is optimized to scan different types of 1D and 2D bar codes across a wide range of distances — from near contact to as far as 30 ft./9.14 m away. The full range of this corded imager means workers can accomplish multiple tasks with one device, for greater productivity in warehouse environments.	•		•	•					•		IP65	6.5 ft./2 m drop to concrete
DS3578-ER		The cordless DS3578-ER features the same leading ergonomics and breakthrough digital imaging of the DS3500 Series and is optimized to scan different types of bar codes across a wide range of distances — from near contact to as far as 30 ft./9.14 m away. With this single rugged device, workers can scan any 1D or 2D bar code whether the item is in hand or on the tallest rack in the warehouse.		•	•	•					•	•	IP65	6.5 ft./2 m drop to concrete

* Optimized for accurate and rapid capture of damaged, dirty and poorly printed bar codes

** MT2090 supports image capture and transfer; MT2070 supports image capture and transfer in USB corded model only.

INDUSTRY LEADING SUPPORT

Even the most rugged scanners need a maintenance plan and a support strategy. After all, accidents happen. And when they do, you need a fast response to keep your devices running at peak performance, and in the hands of your workers.

Advance Exchange Support with Service from the Start provides the next-business-day replacement you need to keep your business up and running, starting from the moment you purchase your scanner. Rather than waiting for your devices to be repaired, simply place a call to Motorola and we'll ship a replacement scanner to you for next-business-day delivery. It's easy, fast and reliable. No need for you to spend time and money to purchase and manage your own pool of spare devices. And best of all, this service includes Comprehensive Coverage, which extends your investment protection beyond normal wear and tear to cover plastics, exit windows and other components that are accidentally damaged during normal usage.

Service Center Support enhances warranty coverage by providing a rapid three-day in-house turnaround time for scanners that need repair. Your scanners are expertly repaired to their original factory specifications using Motorola-certified parts. This service also includes telephone access to the Motorola technical support team for troubleshooting. And you can even customize your Service Center Support agreement to satisfy your business requirements.

Whichever program you choose, Motorola's flexible service offerings are designed to give you the support you need — when and where you need it — to ensure you're getting the most out of your scanner throughout the lifetime of your investment.

PUT OUR RUGGED SCANNERS TO WORK IN YOUR MOST DEMANDING ENVIRONMENTS. FOR MORE INFORMATION, PLEASE VISIT US ONLINE AT WWW.MOTOROLASOLUTIONS.COM/BARCODESCANNERS/RUGGED OR ACCESS OUR GLOBAL CONTACT DIRECTORY AT WWW.MOTOROLASOLUTIONS.COM/CONTACTUS