



Meet today's production demands with an unstoppable class of scanners

3600 Series Ultra-Rugged Scanners—boost productivity and quality of control on the production line

The challenge: meet production schedules, ensure product quality and enable cost-effective track and trace

With market globalization, you're competing with manufacturers all around the world—placing even more pressure on pricing, product quality and order fulfillment schedules. At the same time, customers are placing smaller and more frequent orders, increasing order volumes. And government and industry-imposed regulations for 'cradle to grave' product traceability add to your everyday administrative burden.

Scanning helps you juggle it all, but manufacturing operations are among the most challenging scanning environments, with:

- **Large volumes of exceptions:** Older scanning technology fails to scan a barcode, resulting in exceptions that slow down operations or bring your production line to a grinding halt. And if the wrong part

is used on the production line, it can ripple into costly reworks and delivery delays.

- **Varying scanning requirements:** Manufacturing workers may need to capture different kinds of data—including direct part marks (DPM), printed 1D/2D barcodes and extra wide barcodes—often requiring multiple specialized scanners to do the job.
- **High scanner failure rates:** General purpose scanners aren't built to handle the tough environment on most manufacturing production lines, resulting in high volumes of scanner failures and support desk calls. Frequent breakage leads to increased device costs, lower productivity, high device management costs and a high total cost of ownership (TCO).

These challenges can have a significant impact on your ability to meet customer demands and your bottom line.

The solution: unstoppable performance on the production line with Zebra's Ultra-Rugged 3600 Series

Zebra's 3600 Series delivers the unstoppable performance and ultra-rugged design you need to raise productivity and quality control to the next level on your production line. Built to thrive in your toughest manufacturing environments, 3600 Series scanners will allow you to achieve operational improvements and deliver better customer service—without increasing your workforce.

This flexible portfolio of corded and cordless scanners offers:

- **The superior scanning performance** required to keep production lines moving at peak capacity. There is a model optimized to scan all the types of barcodes and marks in your operations, at the right range
- **An ultra-rugged design**—a new category of scanner that is nearly indestructible for maximum uptime and a low TCO
- **Superior cordless technology**—Bluetooth® technology, a battery charge gauge and a freezer rated PowerPrecision+ battery free workers from cords and deliver the ultimate in battery power and management
- **DataCapture DNA, Zebra's exclusive software ecosystem**—simplifies every stage of the scanning experience over the life of your device

The result?

- Increased worker productivity
- Maximum production levels
- A new level of customer service
- Reduced cost and a better return on your scanner investment

When only the most rugged design will do

When it comes to working in manufacturing environments, you don't need a rugged design, you need an ultra-rugged design—and the Zebra 3600 Series is purpose built for everyday life on the manufacturing floor.

Toughened to handle it all: dustproof, sprayproof and waterproof

The 3600 Series is the only device in its class with a waterproof IP65/IP68 sealing rating, able to survive complete submersion in water. These scanners are ready for virtually every challenging production



Whether you are manufacturing vehicle cam shafts, computer circuit boards or whole-grain bread, your operations will benefit from the unmatched durability, scanning performance and manageability of the 3600 Series.

environment, from dusty manufacturing floors, spilled coffee, exposure to corrosive hydraulic fluids, spray downs with a high-pressure hose and regular wipedowns with industrial cleaners between shifts. We even sealed our Bluetooth cradle to IP65, creating the first complete ultra-rugged cordless solution for your production line. And the cradle's industrial charging contacts withstand 250,000 insertions, while our exclusive Connect+ Contact technology assures reliable, corrosion-free charging over the life of the scanner.

Built to handle drops to your concrete floor

Many device failures on the production line occur when the device is dropped on the concrete floor. That's why all models in the 3600 Series offer the highest drop specification to concrete at 10 ft./3 m. And with a 7,500 3.3 ft./1 m tumble rating, you get the peace of mind that these scanners will survive the real-world tumbling that follows a drop.

When only the best scanning technology will do

Your success is all about throughput and accuracy. The faster your workers can complete a scan, the faster your production line moves, and the faster orders are fulfilled and delivered. The 3600 Series is loaded with all of our most advanced scanning technologies—ensuring

that your workers get the performance they need to be as productive as possible, every minute of every shift.

Maximum scanning speed on every type of barcode and mark in your facility

No matter what type of barcodes or direct part marks (DPM) flow through your production line, there is a model optimized to deliver maximum scanning speed, with first-time every time capture. If you need to capture high density barcodes printed directly on components, DS3600-HD scanners deliver extraordinary performance, providing workers with the ability to capture nearly-invisible codes quickly and easily. If you use DPM for track and trace applications, DS3600-DP and DS3600-DPA scanners will capture virtually every type of DPM code, regardless of size, surface, contrast or density—including dot peen, laser etch, ink mark, chemical etch, inkjet mold, cast and thermal spray.

High-confidence scanning with fewer exceptions and workflow disruptions

Barcodes and marks that can't be scanned on the first try create exceptions that can delay your production line and fulfillment schedules. Your most damaged barcode labels are no match for our PRZM Intelligent Imaging Technology. Whether barcodes are torn, dirty, smudged, poorly printed, low contrast or printed on reflective surfaces, your workers can capture them all with ease. And the advanced illumination technology in the DS3600-DP and DS3600-DPA ensure that even your most challenging DPM marks—from low contrast laser-etched codes to marks on shiny surfaces—won't slow your operations down.

Advanced illumination for flawless DPM capture

Zebra's advanced illumination provides the multiple lighting effects required to capture marks on any type of surface. For example:



DS3600-DP and DS3600-DPA models bring the lightning-fast capture of virtually every direct part mark to aerospace, automotive and other manufacturing plants where end-to-end traceability of product components is required.

- A built-in diffuser provides the indirect light required to capture marks printed on very shiny and reflective surfaces
- The diffuser's proprietary design also directs additional lighting to the edges of barcodes marked on a curved surface, enhancing the image for easier decoding
- A glancing direct light mode provides the bright light required to successfully read low contrast barcodes marked on any type of surface, including challenging polished materials

One multi-function scanner to support your end-to-end production line process

All 3600 Series specialized scanners offer exceptional versatility, with the ability to capture standard 1D and 2D printed barcodes. For example, DS3600-DP scanners can capture 1D/2D barcodes and direct part marks in a single device. And DS3600-DPA scanners add the ability to capture wide 1D barcodes common in

A family designed to meet all the different needs on the production line

Cordless/Cordless LI3600-SR

Standard range capture of 1D barcodes

Cordless/Cordless LI3600-ER

Extended range capture of 1D barcodes, from 2 in./5.1 cm to 56 ft./17.1 m away

Cordless/Cordless DS3600-SR

Standard range capture of 1D and 2D barcodes from near contact to nearly 5 ft./1.5 m away

Cordless/Cordless DS3600-DP

Advanced capture of 1D and 2D barcodes and virtually every type of DPM for track and trace in industrial manufacturing

Cordless/Cordless DS3600-DPA

Advanced capture of virtually every type of DPM, as well as 1D/2D and wide 1D barcodes common in factory automation use cases

Cordless/Cordless DS3600-HD

Advanced capture of high-density 1D and 2D barcodes

Cordless/Cordless DS3600-HP

High performance imager scans 1D and 2D barcodes to 7 ft./2.1 m away and captures photos, documents and OCR data

Cordless/Cordless DS3600-ER*

Extended range capture of 1D and 2D barcodes, from 3 in./7.6 cm to 70 ft./21.4 m away

Cordless/Cordless DS3600-XR

Widest extended scanning range of 1D and 2D barcodes, from 2 in./5 cm to 105 ft./32 m away, with high visibility green laser aimer.

Cordless DS3600-KD

Scans 1D and 2D barcodes to 7 ft./2.1 m away, with the versatility of a keypad and color display

*DS3600-ER is available in North America only.



The DS3600-KD features the same ultra-rugged specifications of the 3600 Series, along with an ergonomic keypad and bright color display that make it easy for workers to key in data, such as item quantity, during replenishment, WIP and shipping tasks.

factory automation use cases. The result? Instead of purchasing multiple scanners for specialized roles, you can deploy the same scanner to use on the production line for end to end track and trace of materials, receiving applications in the warehouse and more.

Streamline tasks with the versatility of a keypad and color display

With the DS3600-KD, workers can complete line side replenishment and work in process (WIP) tasks faster and more accurately by keying in data, such as adding quantity and location to any scanned barcode. For example, when replenishing the production line with multiple quantities of a component, a worker needs to scan a component once, then key in the correct quantity. And pre-built applications are ready to use right out of the box for unparalleled simplicity.

Beyond barcodes to photos, documents and signatures—we offer a model that can handle it all

With the ability to capture additional types of information, you can further streamline production line workflows.¹ For example, a worker can snap a picture of a defective part that arrives on the production line, providing indisputable proof of condition.

Capture more data with advanced parsing tools

Complimentary Zebra DataCapture DNA tools make it easy for workers to capture more kinds of data in your operations.¹ For example, in medical device manufacturing, UDI Scan+ accurately captures UDI (Unique Device Identifier) data and populates the right fields in your application, streamlining traceability requirements. With Multi-Code Data Formatting (MDF), 3600 Series scanners can capture multiple barcodes with a single scan and transmit only the barcodes you need, in the order your application expects. And Label Parse+ instantly captures and parses GS1 label barcode data, enabling workers to easily capture a wealth of data, including expiration dates and lot number/manufacturing location.

When only the most superior cordless technology will do

If you want to give your workers cordless freedom, our industry-leading technology ensures a superior experience. The PowerPrecision+ battery can power the longest, toughest shifts while the dedicated on-demand battery gauge makes it easy for workers to keep track of battery power. Your IT staff gets all the battery metrics needed to monitor battery health and spot aging batteries. You can be sure your Bluetooth scanners won't interfere with your Wi-Fi™ network thanks to Zebra's exclusive Wi-Fi Friendly Mode. With Virtual Tether, you won't need to worry about downtime created by a misplaced cordless scanner. And the AutoConfig cradle lets you instantly switch workflows, taking a cordless scanner from the production line and using it for shipping, without having to manually change scanner settings.

Zebra DataCapture DNA—Your Ultra-Rugged scanner's built-in advantage

When you invest in an ultra-rugged scanner, you need more than just great hardware—you need great software. And Zebra's DataCapture DNA delivers. This exclusive software ecosystem takes scanner performance far beyond the basics and simplifies every stage of the scanning experience over the life of your scanner.

With DataCapture DNA, your scanners can be deployed quickly, scale easily as your install base grows and help your team adapt to future needs. For example, you can remotely configure and upgrade your scanners, understand fleet-wide performance and utilization trends, correct small issues before they become big problems and streamline more data capture tasks to help workers get the job done faster.

1. DataCapture DNA parsing tools, such as Multi-Code Data Formatting and Label Parse+, as well as the ability to capture images, are supported on DS imager models only

Maximize speed and accuracy on the production line with Zebra's 3600 Series Ultra-Rugged Scanners. For more information, please visit www.zebra.com/3600series



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