Zebra UID Labeling Solutions

Bar Code Labeling Saves Money

Even the DoD suggests that inexpensive bar code labeling is right for more than 80 percent of mandated items. Zebra's thermal-transfer labeling solution is your easiest-to-use, lowest-cost UID marking alternative to expensive direct part marking, laser etching, or data plates.

Zebra's UID Solution in 1-2-3

1) Zebra *Xi*™ series thermal transfer printers are extremely durable and reliable for nonstop, mission-critical environments. Choose from a range of print widths, speeds, and print resolution for printing everything from tiny electronic-component labels, to wide-web pallet and drum labels.

   For UID labels on the go, use Zebra's easy-to-carry P4T™/RP4T™, the first mobile thermal transfer printer with RFID printing/encoding capabilities.

2) Genuine Zebra™ supplies have been independently tested to ensure compliance with the DoD's requirements for UID labeling under MIL-STD-130, MIL-STD-129, and MIL-PRF-61002A. Zebra's synthetic label materials will provide lifetime identification even for items exposed to challenging, hazardous environments. Our labels won't fall off, dry up, wear off, or curl up.

3) ZebraDesigner™ Pro label design software makes it easy to format new labels—or reformat your current product identification or shipping labels.

Learn more about DoD requirements and Zebra's UID solutions at www.zebra.com/UID

It's Easy to Find the Perfect Printer with This UID Solution Printer Selector Guide

Model	Maximum Print Width	Resolution (dots per inch)	UID	MIL-STD-130	MIL-STD-129	RFID
P4T/RP4T The world's first thermal transfer mobile printer with RFID printing/encoding capabilities.	4 inches	203	X	X	X	X
110Xi4™ Zebra's flagship printer is extremely affordable for moderate- to large-size environments where a durable, high-output printer is mandatory.	4 inches	203 300 600	X	X	X	♦
140Xi4™ At up to 14 inches per second, one of the fastest printers that is both durable and reliable!	5 inches	203	X	X	X	
170Xi4™ High-end, compliance shipping labeling solution performs DoD, AIAG, ODETTE, and UCC/EAN-128 labeling tasks both on demand and in batches.	6 inches	203 300	X	X	X	♦
220Xi4™ High-end, wide-web printing solution offers advanced printing for pallet, chemical-drum, banner-size, and other wide-label applications.	8 inches	203 300	X	X	X	
R110Xi4 RFID printer/encoder Combines *Xi* performance with RFID flexibility, and precisely encodes small labels.	4 inches	203 300 600	X	X	X	X

♦ RFID Ready option is standard. To activate RFID encoding, an optional and field-installable RFID Kit is required.

It's Easy to Find the Perfect Label with This UID Solution Supplies Selector Guide

Media & Ribbon Combination	Z-Ultimate® 4000T White with 5100 Ribbon	Z-Ultimate 4000T Silver with 5100 Ribbon	8000T Ultra High-Tack Matte with 5095 Ribbon	PolyPro™ 4000T with 5095 Ribbon	8000T Image Lock™ with Image Lock Ribbon	8000T Z-Endure™ with 5100 Ribbon	8000T Piggyback Clear Matte with 5586 Ribbon	Z-Xtreme™ 5000T with Image Lock Ribbon
Ribbon Type	Resin	Resin	Resin	Resin	Resin	Resin	Wax-Resin	Resin
Material description	Gloss Polyester	Gloss Polyester	Matte Polyester	Matte Polypropylene	Polyolefin	Semi-Gloss Acrylic	Gloss/Matte Polyester Combination	Matte Polyester
Adhesive types	Permanent Acrylic	Permanent Acrylic	High-Tack Permanent Acrylic	Permanent Acrylic	Permanent Acrylic	Permanent Acrylic	Permanent Acrylic	High-Tack Permanent Acrylic
Minimum application temp.	50° F/10° C	50° F/10° C	40° F/4° C	10° F/-12° C	50° F/10° C	50° F/10° C	50° F/10° C	50° F/10° C
Service temp.	-40° F to 302° F -40° C to 150° C	-40° F to 302° F -40° C to 150° C	-20° F to 302° F -29° C to 150° C	-40° F to 250° F -40° C to 121° C	-112° F to 248° F -80° C to 120° C	-40° F to 302° F -40° C to 150° C	-40° F to 302° F -40° C to 150° C	-40° F to 302° F -40° C to 150° C
Surface to be labeled	Corrugate, Paper, Packaging Films, Metal, Glass	Corrugate, Paper, Packaging Films, Metal, Glass	Corrugate, Paper, Packaging Films, Metal, Glass, Rough Surfaces	Corrugate, Paper, Packaging Films, Metal, Glass	Corrugate, Paper, Packaging Films, Metal, Glass, Curved Surfaces	Corrugate, Paper, Packaging Films, Metal, Glass	Corrugate, Paper, Packaging Films, Metal, Glass	Corrugate, Paper, Packaging Films, Metal, Glass
Environment	Indoor Outdoor up to 3 years	Indoor Outdoor up to 3 years	Indoor Outdoor up to 3 years	Indoor Outdoor up to 2 years	Indoor Outdoor up to 5 years	Indoor Outdoor up to 10 years	Indoor Outdoor up to 5 years	Indoor Outdoor up to 3 years
Resistance	Moisture, Abrasion, Weak-to-Moderate Chemicals	Moisture, Abrasion, Weak-to-Moderate Chemicals	Moisture, Weak-to-Moderate Chemicals	Moisture, Weak-to-Harsh Chemicals	Moisture, Abrasion, Weak-to-Harsh Chemicals	Moisture, Abrasion, Weak-to-Moderate Chemicals	Moisture, Abrasion, Weak-to-Harsh Chemicals	Moisture, Abrasion, Weak-to-Moderate Chemicals
Compliant to MIL-PRF-61002A	Type II, Grade A B & C, Style 1, Composition b	Type II, Grade A B & C, Style 1, Composition b	Type II, Grade A B & C, Style 1, Composition b	Type II, Grade A B & C, Style 1, Composition b	Type II, Grade A B & C, Style 1, Composition b	Type II, Grade A B & C, Style 1, Composition b	Type II, Grade A B & C, Style 1, Composition b	Type II, Grade A B &C, Style 1, Composition b

*Specifications subject to change without notice.

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