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Automatic Data Collection – Bar Coding Bar Code Symbology Types

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Type	Common Symbologies	Example	Typical Uses
<p>Linear Linear barcodes can be printed in varying sizes consistent with the available space and the distance from which they are to be scanned. Character sets range from numeric-only data, partial alphanumeric, and full alphanumeric including ASCII character sets.</p>	<ul style="list-style-type: none"> • UPC/EAN • Coupon Code • Code 39 • 2 of 5 • Interleaved 2 of 5 • Code 128 • Code 93 • Codabar • RSS-14 	<p>UPC-A:</p> 	<ul style="list-style-type: none"> • Consumer Packaging • Retail Packaging • Package Tracking • Inventory Management • Manufacturing Process Tracking • Asset Inventory • Door-access Control • Employee ID Card
<p>Two-dimensional (2D) 2D barcodes are used to encode large amounts of data or when there is not enough space for a linear bar code. Data redundancy is another key feature of 2D bar codes. 2D barcodes can encode up to 3,000 characters.</p>	<p>Stacked linear barcodes (multiple short rows of distinguishing character sets):</p> <ul style="list-style-type: none"> • PDF417 • Code 49 • Code 16 • CodaBlock • SuperCode • microPDF417 <p>Matrix barcodes (tend to be square shaped and can be printed in spaces as small as 1/2 square inch):</p> <ul style="list-style-type: none"> • DataMatrix • Maxicode • Aztec Code • R Code • VeriCode • UltraCode 	<p>PDF417:</p>  <p>Datamatrix:</p> 	<ul style="list-style-type: none"> • Drivers Licenses • Hospital & Laboratory Tracking • Bill of Lading/Shipping Manifests • Small Package Tracking (UPS, FedEx, ect.) • Military ID Badges • DOD requirements • Employee ID Badges
<p>Postal Codes These proprietary codes were developed by and for various postal services. They are typically read by special high-speed sorting scanners and by special Optical Character Reader (OCR) devices. The U.S. Postal Service is now using fluorescent "Bar/No Bar" codes on the backs of envelopes.</p>	<ul style="list-style-type: none"> • Postnet • Australian 4-State Code • British 4-State Code • Canadian 4-State Code • Japanese 4-State Code • Netherlands 4-State Code • CPC 4-State • Planet Code 	<p>Postnet:</p> 	<ul style="list-style-type: none"> • Postal Letter Mailing

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