

The **CT1000 Thermal Inkjet Printer** supports a comprehensive range of 1D and 2D barcode symbologies — making it a versatile solution for coding, traceability, and compliance marking across manufacturing, packaging, pharmaceutical, and logistics applications. This guide outlines each supported symbology and how it applies to your operation.

Supported Barcode Symbologies

Symbology	Type	Primary Applications	What It Encodes / Key Facts
Code 11	1D	Telecom equipment labeling, legacy inventory systems	Numeric digits + dash. Niche / legacy use.
Code 39	1D	Defense/military (MIL-STD-130), automotive, industrial supply chain	Full alphanumeric (A–Z, 0–9). No check digit. Widely scanner-compatible.
Code 128 / GS1-128	1D	Shipping labels, logistics, retail distribution, food & beverage	Full ASCII. Most common shipping & supply chain standard. GS1-128 carries GTINs, lot numbers, dates.
EAN-13 / UPC-A	1D	Consumer retail POS — grocery, mass market, convenience	Standard retail checkout barcode. Note: GS1 min. height requirements apply — confirm substrate dimensions before ordering.
UPC-E	1D	Small consumer packages, retail POS	Compressed 6-digit UPC for limited label space. Same height considerations as UPC-A.
QR Code	2D	Consumer engagement, brand authentication, product info, traceability URLs	Readable by any smartphone camera. Encodes URLs, text, serial data. Ideal for smart packaging.
DataMatrix	2D	Medical devices (UDI), electronics, aerospace parts, small-component marking	Very high data density in minimal space. Readable even at 25% damage. Industry standard for small-part traceability.
GS1 DataMatrix	2D	Pharmaceutical (FDA DSCSA), medical device (UDI), fresh food/produce labeling	DataMatrix encoded with GS1 Application Identifiers: GTIN, lot number, expiration date, serial number. Regulatory compliance standard.

Industry Application Quick-Reference

Your Industry	Recommended Codes	Typical Use
Food & Beverage / CPG	Code 128, QR Code	Case/carton lot & date coding, consumer-facing engagement codes
Pharmaceutical	GS1 DataMatrix	FDA DSCSA serialization, expiry, lot tracking on bottles & cartons
Medical Devices	DataMatrix, GS1 DataMatrix	UDI compliance marking on devices, packaging, and labels
Manufacturing / Industrial	Code 39, Code 128, DataMatrix	WIP tracking, parts traceability, inventory labeling
Fulfillment & Logistics	Code 128 / GS1-128	Outbound shipping labels, pallet IDs, carton content codes

Your Industry	Recommended Codes	Typical Use
E-Commerce / Retail Supply	QR Code, Code 128	Smart packaging, returns processing, supply chain tracking

Ready to Code Smarter?

Peak Business Equipment serves manufacturers and packagers across Missouri, Illinois, Iowa, Nebraska, and Kansas. Our team will help you select the right coding solution for your application — and support it long after the sale.

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