



High Performance That Goes The Distance.



The MICROLINE[®] 320/321 Turbo builds on the heritage of Tank-Tough[®] reliability established by the OKI[®] ML320/321, our best-selling impact printer all around the world.



This 9-pin printer is blazing new trails in productivity. Engineered for dedicated printing in demanding point-of-sale, automation and utility applications, the ML320/321 Turbo can easily run twice as long as most printers in its class! It can simplify any job on virtually any stock, and it's economical enough to put wherever you need data on the spot.

The ML320/321 Turbo puts the "work" in workstations for financial departments, wholesale or retail sales counters, even for warehouse or manufacturing environments.

Set it up with a box of forms — even 6-part invoices! — and let it run and run and run.

Its relentless performance comes from the rugged printhead design that keeps your print images sharp for a 200-million character life. A lighter, stronger, more efficient motor reduces friction, heat build-up and wear. The long-lasting rack and pinion drive system ensures print quality longer than belt or cable systems. Plus, an impact-resistant chassis protects the entire print mechanism, even in the harshest environments.

When it comes to endurance, dependability and efficiency, the ML320/321 Turbo sets a new standard.

Tank-Tough[®] reliability, expanded head gap and zero-tear capability for dedicated forms printing.



Unmatched Paper-Handling Capability.

Specifically designed to offer enhanced paper handling capabilities, the ML320/321 Turbo can be set with an expanded gap between printhead and platen, accommodating multi-part forms and stock that are up to twice as thick as those that fit our nearest competitor. A bottom feed feature* keeps the paper path short and straight when running stiff card stock or labels.

The ML320/321 Turbo printhead has a lightweight samarium cobalt magnet and powerful, spring-activated pins to deliver a stronger punch — right to the last page of a 6-part form!

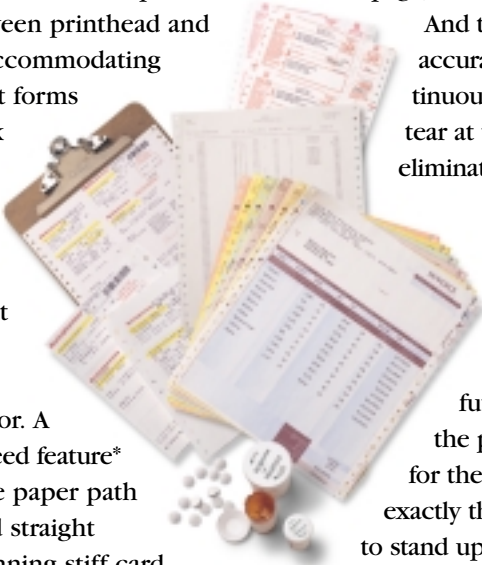
For precisely formed output, a patented optical sensor accurately positions the printhead on the page, first time and every time.

And the auto-tear feature accurately positions continuous forms for a clean tear at the perforation — eliminating wasted forms.

This reliable, flexible 9-pin printer can meet your needs today and in the future, because it's the perfect replacement for the ML320/321. It's exactly the same size, built to stand up to harsh factory conditions, and is compatible with virtually all custom and off-the-shelf software.

The ML320/321 Turbo. A lot of tank-tough performance for dedicated forms printing.

* Requires optional push tractor



The wide printhead gap easily handles thicker or multi-part stock. (Shown using optional bottom push tractor. Printer stand not included.)

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ML320/321 TURBO 9-PIN IMPACT PRINTERS

Technology, Speed and Print Characteristics

Printhead: 9-Pin (0.34 mm diameter)
Graphics Resolution: 288(H) x 144(V) dpi max. OKI® MICROLINE®; 240(H) x 216(V) dpi max. Epson®/IBM®

Print Speed and Character Matrix:

Mode	NLQ	Utility	HS Draft	SS Draft
Speed (in cps)	75	300	390	435 ¹
Matrix (H x V)	17 x 13	9 x 7	7 x 7	

Feed Rate: 5.0 ips

Emulation, Interface and Memory

Co-resident: Epson ESC/P, IBM PPS II and OKI MICROLINE
Standard Interface: IEEE 1284 bi-directional parallel; Microsoft® Windows® 98, 95 Plug and Play compatible

Optional Interface: RS-232C Serial

Standard Memory: 128 K

Receive Buffer: 64 K

Fonts/Characters

Code Pages: Standard ASCII; Epson Character Set I & II; IBM Character Set I, I & All; Code Page 850, 860, 863, 865, 437; BRASCI & ABICOMP

Scalable: Courier, Gothic (22 – 216 pt. in 1-pt. increments)

Bar Codes: Code 39, UPC A, UPC E, EAN 8, EAN 13, Interleaved 2 of 5, Code 128 (A, B, C), PostNet™

Paper Handling

Paper Input: Single/Multi-part, Continuous, Cut sheet, Envelopes, Card stock, Labels

Number of Copies: Interleaf or Carbonless = 6

Thickness: 0.014" (0.36 mm) Rear Feed; 0.017" (0.43 mm) Bottom Feed

Paper Feeding: Top, rear, bottom; Rear Push with zero-tear and paper park

Options: Top-Mount Pull Tractor, Bottom Push Tractor, Cut Sheet Feeder, Roll Paper Stand

Warranty and Reliability

Limited Warranty: One year parts and labor and printhead

MTBF: 10,000 hours

Printhead Life: 200 Million characters at 25% duty cycle

Environmental

Size (WxDxH):

ML320T – 15.7" x 13.6" x 4.6" (39.9 cm x 35.5 cm x 11.7 cm)

ML321T – 21.7" x 13.6" x 4.6" (55 cm x 35.5 cm x 11.7 cm)

Net Weight: ML320T – 15.4 lb. (7 kg); ML321T – 20.9 lb. (9.5 kg)

Acoustic Noise: 57 dBA (Utility mode); 55 dBA (Quiet mode)

Power Consumption: 100W (max.) operating

Electrical: 120V, 230V

Operating Temperature: 41° F to 104° F (5° C to 40° C); 20% to 90% relative humidity

Ordering Information (Part Number)

Printer:

ML320T @ 120V	62411601
ML321T @ 120V	62411701
ML320T @ 230V	62411602
ML321T @ 230V	62411702

Accessories:

Top-Mount Pull Tractor Kit with acoustic cover	
ML320T	70030501
ML321T	70030601
Bottom Push Tractor Kit (ML320T)	70030701
Bottom Push Tractor Kit (ML321T)	70030801
Cut Sheet Feeder (ML320T/ML321T)	70030101
Serial RS-232C Interface	70012801
OkilAN® 10 Base-T Ethernet	
External Print Server	70034401
Roll Paper Stand (ML320T only)	70023301

Ribbon:

Self-Inking Ribbon Cartridge	52102001
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¹ 12 cpi mode only

All specifications subject to change without notice.

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