



# Choose The Versatile Office Printer.



The MICROLINE® 590/591 acts like a mind reader. A smart one. This letter-quality printer anticipates and conforms to all your paper-handling needs.



The difference is OKIS<sup>SMART</sup> Paper Handling™, a unique patented technology that allows the ML590/591 to “read and learn” the paper you feed it, then set the head gap to the optimum distance for best print quality. It also means less time to load and reload paper stock, and can lead to longer printer life.

The ML590/591 delivers perfect output on letterheads, card stock, forms with up to 5 parts, and labels.

And, unlike ordinary printers, the ML590/591 takes on envelopes like any

other paper media. Just feed them into the printer and they emerge flawlessly printed, with no jams or smears.

A patented sensor built into the ML590/591 printhead calculates the precise time and impact needed to print each dot, virtually eliminating uneven printing. The shape of each dot is more consistent, producing smooth, characters and stunning graphics. There are no gaps, no smears or light spots, regardless of paper type used.

You get the professional look you want for every application, the printhead lasts longer, and the printer works quieter and uses less power.

OKIS<sup>SMART</sup> Paper Handling™ for hassle-free reliable switching between different media.



## Flexibility To Get The Job Done.

The ML590/591 offers seven resident typefaces including Courier, Swiss™ and Roman, each scalable from 8 to 64 points in single-point increments. It also has a resident PostNet™ Bar Code for mailing envelopes, along with seven other bar codes.

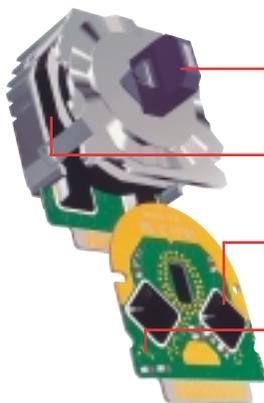
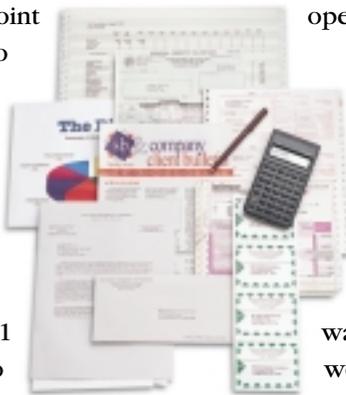
The ML590/591 has accessories to impact on your productivity. For example, the Bottom Feed Push Tractor Kit provides a straight-through, jam-free paper path for thick forms, letting you take full advantage of the printer's short tear-off form capabilities.

The printer has a Cut Sheet Feeder for unsupervised printing of letterheads and envelopes. Its

Pull Tractor handles all your demanding printing applications. And it comes with an acoustic cover for even quieter operation.

All this and a talent with color, too: an optional, user-installable Color Kit for the ML590/591 coupled with your color software package lets you work in a rainbow of colors, adding impact to graphics, charts, transparencies and text presentations.

The ML590/591: a combination of superior output, unique technology and product-enhancing versatility. To handle your office needs, it's one "smart" impact printer.



Rugged OKI printhead provides twice the life of the competition.

Samarium cobalt magnets and cemented carbide pins for solid black print.

The printhead "reads & learns," adjusts automatically for any paper style.

Proprietary LSIs adjust pin impact force for even printing at faster speeds.

### To Contact Okidata:

**In USA:**  
2000 Bishops Gate Blvd.  
Mount Laurel, NJ 08054-4620  
Tel: 800.OKIDATA (800.654.3282)  
Tel: 609.222.5320  
Fax: 609.222.5320  
Web Site: www.okidata.com

**In Canada:**  
2735 Matheson Blvd. East  
Mississauga, Ontario L4W 4M8  
Tel: 905.238.4250  
Tel: 905.238.4421  
Fax: 905.238.4421

**Okidata División Internacional:**  
2000 Bishops Gate Blvd.  
Mount Laurel, NJ 08054-4620  
Tel: 609.231.0002  
Tel: 609.222.5071  
Fax: 609.222.5071

## ML590/591 24-PIN IMPACT PRINTERS

### Technology, Speed and Print Characteristics

**Printhead:** 24-Pin SIDM

**Graphics Resolution:** 360 x 360 DPI maximum

**Print Speed and Character Matrix:**

Mode	LQ	Utility	High Speed Draft
Speed (in 12 cpi)	120	360	450 (15 cpi only)
Matrix (H x V)	29 x 18	9 x 17	7 x 17

**Feed Rate:** 5.0 ips

**Emulation, Interface and Memory**

**Co-resident:** Epson® ESC/P2 & IBM® XL 24E

**Standard Interface:** Centronics® Parallel

**Optional Interface:** 19.2K, RS-232C Serial

**Standard Memory:** 128K

**Receive Buffer:** 64K

**Fonts/Characters**

**Code Pages:** Standard ASCII; Epson Character Set I & II; IBM Character Set I and II; Foreign character substitution; International character sets; Code page 850, 860, 863, 865, Bar Code

**Fonts:** Courier, Letter Gothic, Prestige, Orator, Roman, Swiss™

**Bar Codes:** Code 39, UPC A & E, EAN 8 & 13, 2 of 5, Code 128, PostNet™

**Paper Handling**

**Paper Input:** Continuous forms, Cut sheet, Card stock, Envelopes

**Number of Copies:** 5-part forms

**Thickness:** .014" (0.36 mm) Rear Feed; .017" (0.44 mm) Bottom Feed

**Paper Feeding:** Top, rear and bottom; Standard Rear Push Tractor

**Tear Capabilities:** Zero tear, Metal tear bar (optional with Bottom Feed Tractor kit)

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

**Warranty and Reliability**

**Limited Warranty:** Two year parts and labor

**MTBF:** 8,000 hours (25% duty cycle, 35% page density)

**Printhead Life:** 200,000,000 characters avg. in 10 cpi utility mode @ normal, 25% duty, 35% page density

**Environmental**

**Size (WxDxH):**

ML590 - 16.9" x 14.9" x 6.5" (43 cm x 37.8 cm x 16.5 cm);

ML591 - 23" x 14.9" x 6.5" (58.4 cm x 37.8 cm x 16.5 cm)

**Net Weight:** ML590 - 16.5 lb. (7 kg); ML591 - 19.8 lb. (9 kg)

**Acoustic Noise:** 53 dBA (LQ mode) 50 dBA (Quiet mode)

**Ordering Information (Part Number)**

**Printer:**

ML590 @ 120V	62409201
ML590 @ 220/240V	62409202
ML591 @ 120V	62409301
ML591 @ 220/240V	62409302

**Accessories:**

Bottom Feed push tractor (ML590)	70022901
Bottom Feed push tractor (ML591)	70023101
Pull tractor kit (ML590)	70023001
Pull tractor kit (ML591)	70023201
Cut Sheet Feeder (ML590)	70022501
Cut Sheet Feeder (ML591)	70022701
Super-speed 19.2K RS-232C serial I/F	70012801
OkilAN® 10 Base-T Ethernet	
External Print Server	70034401
Roll Paper Stand (ML590 only)	70023301

**Ribbon:**

Black Cartridge	52106001
Color Cartridge	52106002
Color Kit	52106003

All specifications subject to change without notice.

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