

OKI® MICROLINE® 590/591

24-Pin Impact Printers



The versatile office printer for all reasons



Highlights:

Printhead "reads and learns" – automatically adjusts to paper type

450 characters-per-second print speed

Letter-quality 24-pin printer

Crisp, clear printing – even on 5-part forms

8,000-hour MTBF – rated to run twice as long as its nearest competitor

Co-resident Epson®, IBM® and MICROLINE emulations

Networkable via optional Ethernet external print server

Eight resident scalable barcodes and seven text fonts

Optional user-installable color module kit

Wide-carriage width available with ML591

2-year limited warranty, including parts and labor

Toll-free, 7-day/24-hour Customer Support Hotline: 800-OKI-DATA (800-654-3282)¹

¹ Available in the U.S. and Canada only.

OKIsmart Paper Handling® for hassle-free reliable switching between different media.

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 OKIsmart 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.

OKI®
COMMAND
PERFORMANCE™

OKI® MICROLINE® 590/591

24-Pin Impact Printers



Flexibility to get the job done.

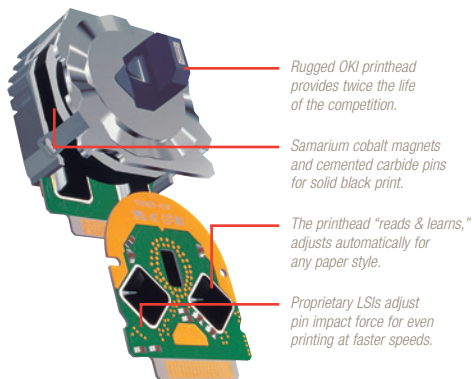
The ML590/591 offers seven resident typefaces including Courier, Swiss™ and Roman, each scalable from 8 to 64 points in single-point increments. It also has a resident PostNet® Bar Code for mailing envelopes, along with seven other bar codes.

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.



Specifications

Technology, Speed and Print Characteristics

- **Printhead:** 24-Pin SIDM
- **Graphics Resolution:** 360 x 360 DPI maximum
- **Feed Rate:** 5.0 ips
- **Print Speed and Character Matrix:**

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

Emulation, Interface and Memory

- **Co-resident:** Epson® ESC/P2 & IBM® XL 24E
- **Interfaces:** Standard: Centronics® Parallel; **Optional:** 19.2K, RS-232C Serial; OkilAN® 6120e 10/100 Base-T Internal Print Server standard on ML390/n and ML391/n¹; Ethernet® via OkilAN® 6020e 10/100 Base-T External Print Server or OkilAN® 6010e 10 Base-T External Print Server; Co-ax Adapter or Twin-ax/Co-ax (3rd party)
- **Standard Memory:** 128K
- **Receive Buffer:** 64K

Compatibility

- **Operating Systems:** Windows® XP, 2000, 98/95, 3.x and NT® 4.0; MS-DOS®

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: Rear Feed:** .014" (0.36 mm); **Bottom Feed:** .017" (0.44 mm)
- **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)
- **Monthly Workload:**
ML590: 18,000 pages at 25% duty cycle/35% density
ML591: 11,000 pages at 25% duty cycle/35% density
- **Printhead Life:** 200 Million characters avg. in 10 cpi utility mode at normal, 25% duty, 35% page density

Environmental

- **Size (WxDxH):**
ML 590 – 16.9" x 14.9" x 6.5" (43 cm x 37.8 cm x 16.5 cm);
ML 591 – 23" x 14.9" x 6.5" (58.4 cm x 37.8 cm x 16.5 cm)
- **Net Weight:**
ML 590 – 16.5 lb. (7 kg); ML 591 – 19.8 lb. (9 kg)
- **Acoustic Noise:** 53 dBA (LQ mode) 50 dBA (Quiet mode)

Ordering Information (Part Number)

Printer	Part Number
MICROLINE 590 – 120V	62409201
MICROLINE 590 – 220/240V	62409202
MICROLINE 590/n – 120V	62416301
MICROLINE 591 – 120V	62409301
MICROLINE 591 – 220/240V	62409302
MICROLINE 591/n – 120V	62416401

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® 6010e 10/100 Base-T Ethernet External Print Server	70034401
OkilAN® 6020e 10 Base-T Ethernet External Print Server	70036001
Roll Paper Stand (ML590 only)	70023301

Ribbon:

Black Cartridge	52106001
Color Cartridge	52106002
Color Kit	52106003
Co-ax Adapter	70047201

Twin-ax/Co-ax (Also available through Third Party. Call 1-800-OKI-DATA.)

OKIcare® Overnight Exchange Warranty Extensions²

	U.S.	Canada
OKI SIDM Desktop 1-Yr. Warranty Ext.	58251901	58251911
OKI SIDM Desktop 2-Yr. Warranty Ext.	58252001	58252011

OKIcare® Depot Warranty Extensions²

	U.S.	Canada
OKI SIDM Desktop 1-Yr. Warranty Ext.	58251001	58251011
OKI SIDM Desktop 2-Yr. Warranty Ext.	58251101	58251111
Desktop Upgrade to Overnight Exchange	58251801	58251811

For more information on OKI Impact Printers and supplies, including OKIcare® Extended Service Programs: **1-800-OKI-DATA** (800-654-3282).²

¹ Factory-configured only.

² Available in U.S. and Canada only.

All specifications subject to change without notice.

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OKI®

*OKI, Network Solutions
for a Global Society*

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