With powerful 24-pin technology, the Epson LQ-590 and the wide-format Epson LQ-2090 deliver precision text and graphics, plus rugged reliability for critical print requirements. Offering print speeds of up to 529 cps and seamless integration into existing printing environments, these robust performers are sure to increase productivity. With versatile 5-part forms printing, multiple paper loading options, and a durable, long-lasting ribbon, each product races through tickets, purchase orders, invoices and more.

Perfect for point-of-sale, manufacturing, and production environments, these two printers boast an amazing 20,000 POH MTBF rating and a 400 million character print head life. Each features an easy-to-use control panel that makes changing settings a snap, while convenient configuration software facilitates simple setup via a PC. These two workhorses provide Parallel and USB interfaces, plus a slot for optional interface cards, including high-speed Ethernet, for greater compatibility with practically any system. And, with both Epson and IBM® printer languages, they’re perfect replacements for the Okidata® ML-390/490, the Epson LQ-570e/870 or the wide-format Epson LQ-2080.

Ideal for businesses that require high quality, multipart forms printing, the reliable Epson LQ-590 and LQ-2090 printers offer extremely low operational costs compared to other printing technologies, as well as superior performance in comparison to other impact printers in their class. Designed for use in demanding print environments, these heavy-duty dot matrix printers handle critical business applications with precision and ease. And they’re backed by a three-year warranty that includes Epson’s superior service and support.

### Key Features

- **Powerful 24-pin print head technology**
  - Delivers high quality text and graphics for critical applications

- **Ultra fast print speeds**
  - Speeds through multipart forms, reports, labels and more at up to 529 cps

- **Extreme reliability in demanding print environments**
  - Offers an MTBF rating of 20,000 POH and a 400 million character print head life
  - Facilitates greater productivity with less downtime

- **Long-life ribbon cartridge that’s easy to install**
  - 5 million (LQ-590)/8 million (LQ-2090) character ribbon cartridge reduces the need for frequent ribbon changes
  - Ensures the lowest cost per page

- **Advanced paper handling capabilities for greater flexibility**
  - Provides four convenient paper paths to accommodate cut sheet paper and continuous forms up to 5 parts thick

- **Easy system integration**
  - Includes USB and Parallel connections, plus an additional slot for optional Type B interface cards
  - Epson and IBM printer languages ensure compatibility for new and legacy printing applications

- **Simplified setup and operation**
  - Improved menu navigation allows quick and easy changes to printer settings
  - Remote Configuration Manager facilitates easy setup via a PC
  - Convenient setting for whisper-quiet operation

- **Three-year warranty backed by Epson’s superior service and support**
Printer Specifications

Printing Method
24-pin, impact dot matrix

Print Direction
Bidirectional with logic seeking in Text and Graphics Mode

Print Speed
- High Speed Draft: 529 cps (12 cpi)
 440 cps (10 cpi)
- Draft: 330 cps (10 cpi)
- Letter Quality: 110 cps (10 cpi)

Character Sets
96 ASCII characters; 14 international character sets and 1 legal character set; 128 user-defined characters; Extended IBM style graphic characters; 5 code pages

Resident Fonts
Epson Draft
10, 12, 15 cpi
Epson Roman
10, 12, 15 cpi proportional
Epson Sans Serif
10, 12, 15 cpi proportional
Epson Courier
10, 12, 15 cpi
Epson Script
10 cpi
Epson OCRB
10 cpi
Epson Script C
Proportional
Epson Orator
10 cpi
Epson Orator-S
10 cpi

Bar Code Fonts
EAN-13, EAN-8, Interleaved 2 of 5, UPC-A, UPC-E, Code 39, Code 128, POSTNET, Codabar (NW-7), Industrial 2 of 5, Matrix 2 of 5

Scalable Fonts
Epson Roman
10.5 pt; 8-32 pt every 2 pt
Epson Sans Serif
10.5 pt; 8-32 pt every 2 pt
Epson Roman T
10.5 pt; 8-32 pt every 2 pt
Epson Sans Serif H
10.5 pt; 8-32 pt every 2 pt

Column Width
- LQ-590
 10 cpi: 80
 12 cpi: 96
 15 cpi: 120
 17 cpi: 137
 20 cpi: 160

- LQ-2090
 10 cpi: 136
 12 cpi: 163
 15 cpi: 204
 17 cpi: 233
 20 cpi: 272

Formatting
32 horizontal tabs; line spacing in 1/6" or programmable (minimum 1/360" increments); skip over perforations in lines; page length in lines or inches

Paper Feed Mechanism
- Feeding method: Friction feed (front, rear)
- Push tractor (front, rear)
- Pull tractor (front, bottom, rear)
- Pull and push tractor** (front, rear)
- Cut sheet feeder (optional)
- Roll paper holder (optional)

Paper Feed Speed
45 milliseconds per 1/6"
5 seconds per continuous feed

Paper Path
- Manual insertion:
  Front or top in, top out
- Cut sheet feeder:
  Top in, top out
- Tractor:
  Front, rear or bottom in, top out

Input Buffer
129KB

Software Drivers
Windows 95, 98, 2000, Vista, 7, Me, XP and NT 4.0

Ordering Information

Epson LQ-590

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>C11C558001</td>
<td>Epson LQ-590 Impact Printer</td>
</tr>
<tr>
<td>S015337</td>
<td>Ribbon Cartridge</td>
</tr>
<tr>
<td>C006381</td>
<td>High Capacity Cut Sheet Feeder</td>
</tr>
<tr>
<td>C006371</td>
<td>Single Bin Cut Sheet Feeder</td>
</tr>
<tr>
<td>C12C800201</td>
<td>Additional Pull Tractor Unit</td>
</tr>
<tr>
<td>C814002</td>
<td>Front Sheet Guide</td>
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</table>

Epson LQ-2090

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<th>Description</th>
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<tr>
<td>C11C559001</td>
<td>Epson LQ-2090 Impact Printer</td>
</tr>
<tr>
<td>S015335</td>
<td>Ribbon Cartridge</td>
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<td>C006201</td>
<td>Additional Pull Tractor Unit</td>
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Epson LQ-590 and LQ-2090 Accessories

<table>
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<tr>
<th>Product Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>C12C811141</td>
<td>Roll Paper Holder</td>
</tr>
<tr>
<td>C12C824431</td>
<td>Serial Interface Board</td>
</tr>
<tr>
<td>C12C824352</td>
<td>Base-TX Type-B Ethernet Print Server</td>
</tr>
</tbody>
</table>

Interface
- Bidirectional Parallel (IEEE 1284Nibble Mode supported)
- Type-B slot for optional interface cards

Printer Language
- Epson ESC/P2
- IBM PPDS

Paper Handling
- Forms: continuous multipart, original plus 4 carbonless copies, maximum thickness .018"
- Width
  - LQ-590: Single sheets 3.9" to 10.1"
  - LQ-2090: Single sheets 3.9" to 14.3"
- Continuous
  - LQ-590: 4.0" to 22.0"
  - LQ-2090: 4.0" to 22.0"
- Cut-sheet feeder
  - LQ-590: 7.2" to 8.5"
  - LQ-2090: 7.2" to 16.5"
- Length
  - LQ-590: Single sheets 3.9" to 14.3"
  - LQ-2090: Single sheets 3.9" to 14.3"
- Continuous
  - LQ-590: 4.0" to 22.0"
  - LQ-2090: 4.0" to 22.0"
- Cut-sheet feeder
  - LQ-590: 10.1" to 14.0"
  - LQ-2090: 10.1" to 14.0"
- No. 6 envelopes
  - LQ-590: 6.5" x 3.6"
  - LQ-2090: 6.5" x 3.6"
- No. 10 envelopes
  - LQ-590: 9.5" x 4.1"
  - LQ-2090: 9.5" x 4.1"
- Labels
  - LQ-590: 2.5" x 0.34" (minimum)
  - LQ-2090: 8.5" width

Sound Level
52 dBA

Power Requirements
- Rated voltage
  - LQ-590: 120V
  - LQ-2090: 100 to 240V
- Input voltage range
  - LQ-590: 103.5 to 132V
  - LQ-2090: 90 to 264V
- Rated frequency range
  - LQ-590: 50 to 60 Hz
  - LQ-2090: 50 to 60 Hz
- Input frequency range
  - LQ-590: 49.5 to 60.5 Hz
  - LQ-2090: 49.5 to 60.5 Hz

Power Consumption
- Approx. 42W (SOO/IEC 10651 Letter Pattern)
- Approx. 4.5W (in sleep mode)
- 0W in power off mode

Energy Star Compliant

Physical Dimensions
- Height
  - LQ-590: 6.3"
  - LQ-2090: 6.3"
- Width
  - LQ-590: 16.3"
  - LQ-2090: 23.2"
- Depth
  - LQ-590: 13.8"
  - LQ-2090: 13.8"
- Weight
  - LQ-590: 15.6 lb
  - LQ-2090: 21 lb

Control Panel Functions
- Font, pitch, pause, tear off, bin selection, line feed, form feed, load, eject, micro adjust, top-of-form adjustment, paper parking, default feature setting, panel lockout

Reliability
- MTBF: 20,000 POH (25% duty cycle)
- Print head life: 8 million characters
- Ribbon life: 5 million characters at 48 dots/character (LQ-590)
- 8 million characters at 48 dots/character (LQ-2090)

Warranty
- Three-year limited warranty in the U.S. and Canada

Support—The Epson ConnectionSM
- Pre-Sales Support (US and Canada) (800) 463-7766
- Internet Website www.epson.com

* Advanced print head design provides unmatched burst speed, allowing the Epson LQ-590/2090 to maximize performance by consistently performing at or near top speeds. Standardized ISO 10561 throughput tests illustrate how Epson’s superior technology results in faster printing and greater print volume over time. Test conducted by Seiko Epson Corporation.

** Additional tractor unit required

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