S Series™

Thermal, On-demand Metal Bar Code Printers

All-metal printers fit your industrial applications and your budget.

The 105*Se*™ and 160*S*™ are two of the most versatile printers. Their simple operation and sophisticated capabilities meet the needs of both first-time and experienced users. With options including 300dpi on the 105*Se*, these popular, flexible printers meet your specific application requirements, adapting when your needs grow or change.

Sturdy Construction

S Series printers provide maximum durability in industrial work environments. The metal construction of the printer housing, drive gears and other critical components assures dependable performance, even when used in moderate to heavy duty cycle printing.

When it's on the line.™

S Series™

Maximum Durability

- Industrial, 12/14-gauge steel frame construction
- Dependable for even moderate to heavy duty printing

Application Flexibility

- Connection to any common PC or host computer via serial, parallel or optional ZebraNet® 10 Base-T Ethernet ports
- Label registration on black mark (optional on 105*Se*) or die-cut media using dual media sensors
- Can print labels up to 7.2″/182.8mm wide (160*S* only)
- Economically priced

Options include:

- Internal rewind
- Choice of print resolutions (105*Se*): 152, 203 or 300dpi
- Full-width cutter
- Selectable serial/parallel port
- Label peel with liner rewind

For more information

Contact your Zebra representative for additional printer specifications. For information on Zebra's other printers, supplies, software and accessories, ask your reseller, call +1 800.423.0442, or visit our Web site.

www.zebra.com

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Standard Features

- Print methods: Thermal transfer or direct thermal
- Construction: 14-gauge (105*Se*) and 12-gauge (160*S*) steel frame
- Transmissive media sensor
- Reflective media sensor (160*S* only)
- Zebra's E³® Printhead Energy Control

Zebra Programming Language (ZPL® & ZPL II®)
- Universal language for Zebra printers. Simplifies label formatting and enables seamless compatibility with other Zebra printers.

Operating Characteristics

Environment
- Operating Temp. 41°F/5°C to 104°F/40°C
- Storage Environ. -40°F/-40°C to 140°F/60°C
- Operating Humidity 20-85% non-condensing
- Storage Humidity 5-85% non-condensing

Electrical
Selectable
- 115VAC +15/-20%; 5 amp. fused 48-62 Hz
- 230VAC +/-15%; 3 amp. fused 48-62 Hz

Communication Interface Capabilities
- Centronics® parallel or RS-232 serial ports; 110-19,200; selectable BAUD rate, parity, data bits, XON-OFF/DTR protocol

Agency Approvals
- UL 1950; CISPR 22 (Class B); CSA 950; IEC 950; 801-2, -3 and -4 standards; Canadian Doc. (Class A); FCC (Class A); CE compliance

Media Characteristics

For optimum print quality and printer performance, use Genuine Zebra supplies.

Labels
Max. Roll Size
- 8″/203mm O.D. on a 3″/76mm I.D. core

Thickness (label & liner)
- .003″/.076mm–.012″/.305mm

Media Type
- Continuous, die-cut, black mark-(160*S* only)

Ribbons
Ribbon is recommended to be at least as wide as media.

Max. Roll Size
- 3.2″/81.3mm O.D. on a 1″/25.4mm I.D. core

Standard Lengths
- 984′/300m–1,476′/450m; provides 2:1 & 3:1 media roll to ribbon ratios

Ribbon Set-up
- Ribbon wound ink side out

Fonts/Graphics/Symbologies

Fonts and Character Sets
- Standard Fonts: 7 bitmapped, 1 smooth scalable (CG Triumvirate™ Bold Condensed)
- Sets: IBM® Code Page 850 International character set
- Optional European and Asian font sets

Graphic Features
- Supports user-defined fonts and graphics—including custom logos
- ZPL II drawing commands—including boxes and lines

Bar Code Symbologies
- Linear Bar Codes: Code 11, Code 39, Code 93, Code 128, ISBT-128, UPC-A, UPC-E, EAN-8, EAN-13, UPC and EAN 2 or 5 digital extensions, Plessey, POSTNET, Standard 2 of 5, Industrial 2 of 5, Interleaved 2 of 5, LOGMARS, MSI, Codabar
- Two-Dimensional: CODABLOCK, PDF-417, Code 49, DataMatrix, Maxi Code, QR Code

Options and Accessories

- 152/203/300dpi printhead resolution selection (105*Se* only)
- Full-width rotary cutter with orderable catch tray (105*Se* only)
- Peel/liner rewind (for print-and-apply)
- Full roll rewind
- Fan-fold bin
- ZebraNet PrintServer II (for Ethernet connectivity)
- BAR-ONE® software
- European and Asian font sets

105*Se*

160*S*

Both the 105*Se* and 160*S* (ideal for applications requiring wide width/multiple up labels) are perfect for moderate to high volume printing needs in manufacturing and industrial applications, including:

- Shipping/Receiving
- Compliance labeling, such as AIAG and ODETTE
- Product labeling (Part ID etc.)
- Asset, product and document tracking
- Work-in-process
- Warehouse inventory/Shelf labeling

105*Se*

Maximum Print Area
Width: 4.09″/103.9mm
Length with 152dpi:
  65″/1,651mm (with standard memory)
Length with 203dpi:
  37″/940mm (with standard memory)
Length with 300dpi:
  16″/406mm (with standard memory)

Resolutions
152dpi/6dots/mm, 203dpi/8dots/mm, 300dpi/12dots/mm

Maximum Print Speeds
6″/152mm per second (152/203dpi)
4″/102mm per second (300dpi)

Memory
Standard: 1MB DRAM

Physical Characteristics
Width: 10.5″/267mm
Depth: 18.9″/480mm
Height: 15.4″/391mm
Weight: 43lbs./19.5kg

Media Specifications
Label and liner width:
  .79″/20mm–4.52″/115mm
Ribbon width:
  .79″/20mm–5.31″/134.8mm

160*S*

Maximum Print Area
Width: 6.3″/160mm
Length:
  24″/610mm (with standard memory)

Resolution
203dpi/8dots/mm

Maximum Print Speed
6″/152mm per second

Memory
Standard: 1MB DRAM

Physical Characteristics
Width: 13.1″/333mm
Depth: 18.9″/480mm
Height: 15.4″/391mm
Weight: 55lbs/25kg

Media Specifications
Label and liner width:
  2″/51mm–7.2″/183mm
Ribbon width:
  2″/51mm–6.9″/175mm