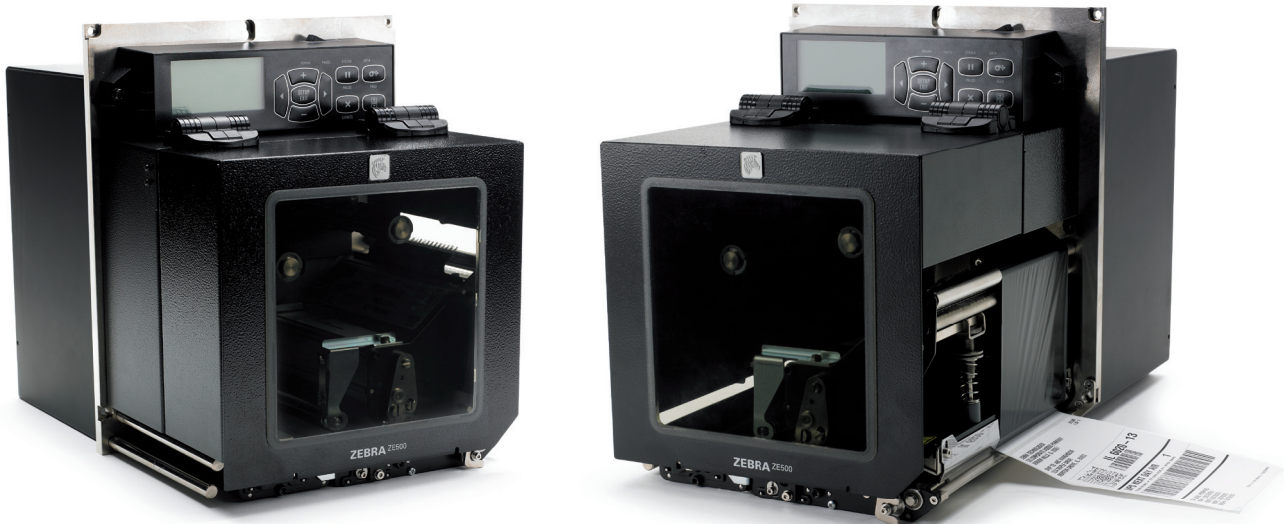# Zebra® ZE500™ Series Print Engine

SEE MORE. DO MORE.

Innovative design, greater benefits

The new ZE500 Series takes an innovative approach to OEM print engines. Leveraging extensive customer research, the design focuses on ease of use, integration and servicing. Built with the customer in mind, the ZE500 Print Engine is designed to keep mission-critical print-and-apply applications operating without interruptions.

The elegant design of the ZE500 simplifies maintenance and dramatically reduces downtime. All three rollers can be exchanged in minutes, with no need to access the printer's electronics. The wide open printhead makes cleaning

and replacement simple, and the quick-change modular drive system reduces printer repair time.

Routine operations such as ribbon changing are simple and straightforward (and identical for both print widths). The new graphic display can be deported and rotated, enabling flexible positioning for improved ease of use and integration.

The user experience is much improved: the design enables easy integration with print-and-apply machinery plus has better resistance to dust and water. Expanded connectivity ports and enhanced software control of the applicator port provides further integration flexibility.

Ideal for print-and-apply labelling applications for products, cartons, cases and pallets in:

- **Manufacturing and warehousing**
- **Automotive**
- **Pharmaceuticals**
- **Food and beverage**
- **Health and beauty**

Get the most out of your Zebra printer: put genuine Zebra supplies in!

Zebra offers a wide range of supplies for ZE500 Series Print Engines, all made to a high standard and suitable for a variety of applications.

- Manufactured exclusively for Zebra printers
- Laboratory-tested for optimum performance
- Proven to minimise wear and tear on printheads

For more information, visit **www.zebra.com**

SPECIFICATIONS AT A GLANCE*
ZEBRA ZE500 SERIES PRINT ENGINE

Standard features

- Print methods: thermal-transfer or direct-thermal
- Orientation: right-hand or left-hand
- Industrial all-metal construction
- 16MB SDRAM, 64MB flash memory
- Applicator interface
- Transmissive and reflective media sensors
- Multi-level Element Energy Equalizer™ (E³™) for superior print quality
- Real-time clock
- Rotatable display
- ZPL II™ – universal language for Zebra printers

Printer specifications

ZE500-4™:

- Maximum print width: 104mm (4.1")

Media specification

- Label and liner width: 16mm (0.625") to 114mm (4.5")
- Minimum length with back feed: 13mm (0.5")
- Minimum length without back feed: 6.5mm (0.25")
- Minimum length in stream mode: 6.5mm (0.25")
- Maximum length: 990mm (39")
- Maximum continuous media print length: 3,810mm (150")
- Ribbon width: 25.4mm (1") to 107mm (4.2")

Resolution

- 8 dots/mm (203dpi) or 12 dots/mm (300dpi)

Maximum print speed

- 305mm (12") per second (203 and 300 dpi)

ZE500-6™:

- Maximum print width: 168mm (6.6")

Media specification

- Label and liner width: 76mm (3") to 180mm (7.1")
- Minimum length with back feed: 76mm (3")
- Minimum length without back feed: 25.4mm (1")
- Minimum length in stream mode: 25.4mm (1")
- Maximum length: 990mm (39")
- Maximum continuous media print length: 3,810mm (150")
- Ribbon width: 76mm (3") to 180mm (7.1")

Resolution

- 8 dots/mm (203dpi) or 12 dots/mm (300dpi)

Maximum print speed

- 305mm (12") per second (203dpi)
- 254mm (10") per second (300dpi)

Media characteristics

Labels

Media thickness (label and liner)

- ZE500-4: 0.135mm (0.0053") to 0.254mm (0.010")
- ZE500-6: 0.076mm (0.003") to 0.305mm (0.012")

Media types

- Continuous, die-cut or black mark

Ribbons

Max. roll size

- 101.6mm (4") O.D. on a 25.4mm (1") I.D. core

Standard length

- 600m capacity

Operating characteristics

Environment

- Operating temp.: 0ºC (31ºF) to 40ºC (104ºF)
- Storage temp.: -40ºC (-40ºF) to 71ºC (160ºF)
- Operating humidity: 20% to 95% non-condensing R.H.
- Storage humidity: 5% to 95% non-condensing R.H.

Electrical

- Universal power supply with power-factor correction 90–264 VAC, 47–63Hz

Connectivity

- Parallel port: Centronics®-compatible
- Serial interface: RS-232
- USB 2.0
- Internal ZebraNet™ 10/100
- Applicator interface with DB-15F connector
- Optional ZebraNet b/g Print Server

Agency Approvals

- VCCI, CCC
  - Standards approvals: IEC 60950-1; EN 55022, Class A; EN 55024; EN 61000-3-2, 3-3
  - Product markings: NRTL; CE; FCC A; ICES-003; VCCI; C-Tick; CCC; NOM; Gost-R; S-Mark; KCC; BSMI

Physical characteristics

ZE500-4:

- Width: 245mm (9.6")
- Depth: 379mm (14.9")
- Height: 300mm (11.8")
- Weight: 15.4kg (34lb)

ZE500-6:

- Width: 245mm (9.6")
- Depth: 438mm (17.2")
- Height: 300mm (11.8")
- Weight: 17.3kg (38lb)

Fonts/Graphics/Symbologies

Fonts and character sets

- Zebra Global printing solution including Unicode™
- Swiss 721 font standard
- Bitmap fonts A to H and GS symbols are expandable up to 10 times, height- and width-independent
- Smooth-scalable font Ø (CG Triumvirate™ Bold Condensed) is expandable dot-by-dot, height- and width-independent
- IBM® Code Page 850 International Characters
- Contains UFST® from Agfa Monotype Corporation
- Firmware support for downloadable TrueType™ fonts
- Additional fonts available

Graphics features

- Supports user-defined fonts and graphics, including custom logos

Barcode symbologies

- All standard linear and 2D barcodes supported

ZebraLink™ Solutions

Software

- ZebraDesigner™ Pro
- ZebraNet Bridge Enterprise
- ZBI 2.0™ ZBI-Developer™

Firmware

- ZPL II
- Web View
- Alert
- ZBI 2.0

SEE MORE.
DO MORE.