# B-SX4 & B-SX5

## Specifications

| Model | B-SX4 | B-SX5 |
|---|---|---|
| **Technology** | Thermal Transfer / direct thermal | |
| **Printhead** | Edge type | |
| **Resolution** | 8 dots/mm (203 dpi) | 12.05 dots/mm (306 dpi) |
| **Print Width** | Maximum 104 mm | Maximum 127,5 mm |
| **Print Length** | Maximum 1,498 mm | |
| **Print Speed** | up to 254 mm/sec (10 ips) | up to 203.2 mm/sec (8 ips) |
| **Ribbon Save** | Optional | Standard |
| **Interfaces** | 2 serial ports, Bi-directional parallel port, Expansion I/0*,PCMCIA I/F**, 10/100 Internal LAN I/F**, USB** | |
| **Barcodes** | UPC/EAN/JAN, Code 39, Code 93, Code 128, EAN 128, NW7, MSI, Industrial 2 of 5, ITF, Postnet, RM4SCC, KIX-code, RSS14 | |
| **2D Codes** | Data Matrix, PDF 417, Maxicode, QR code, Micro PDF 417 | |
| **Fonts** | Bitmap font (21 fonts), Outline font (7 fonts), Writable characters (132 fonts), Optional TrueType fonts (20 types)** | |
| **Optional** | Swing cutter module, rotary cutter module, strip module & rewinder***, USB Interface, built-in LAN board, Expansion I/O***, 2-slot-PCMCIA I/F board, RFID kit | |
| **Dimensions** | 291 mm (W) x 460 mm (D) x 308 mm (H) | |
| **Weight** | 18 kg (without media and ribbon) | 19 kg (without media and ribbon) |

* Option for the B-SX4, ** Optional, *** Standard on the B-SX5

## Thermal transfer ribbons

Toshiba approved thermal transfer ribbons are relied on every day by businesses worldwide, whether it's for mass-produced short-term label printing or for highly specialised identification techniques using advanced resin products.


**Your TOSHIBA TEC dealer:**

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## Customers' benefits

The B-SX4/SX5 are packed with advantageous features for the user, including:

- high speed printing leading to increased efficiency and productivity
- time-saving and minimal training due to fast and easy handling
- reduced downtime and increased productivity as a result of high reliability
- minimal repair and recovery costs, and maximised ROI during total life cycle
- perfect readability of labels & barcodes due to built-in high quality print technology
- supplied with Bartender UltraLite labelling software

BarTender Label Printing Software

SAP® Certified
Integration with SAP NetWeaver®

**TOSHIBA**

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**TOSHIBA**
**Leading Innovation** »»»

B-SX4 & B-SX5

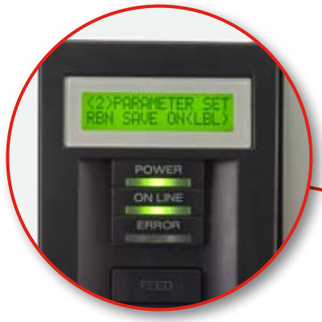

With over 20 years experience in producing barcode label printers the TOSHIBA B-SX4 & B-SX5 thermal transfer/direct thermal industrial printers provide world leading innovation and reliability. Built with the future in mind, the 'RFID Ready' B-SX printers take the barcode label printer to the next level. Ideal for use in all heavy-duty industries including chemicals, manufacturing, pharmaceuticals, textiles, electronics & telecom.

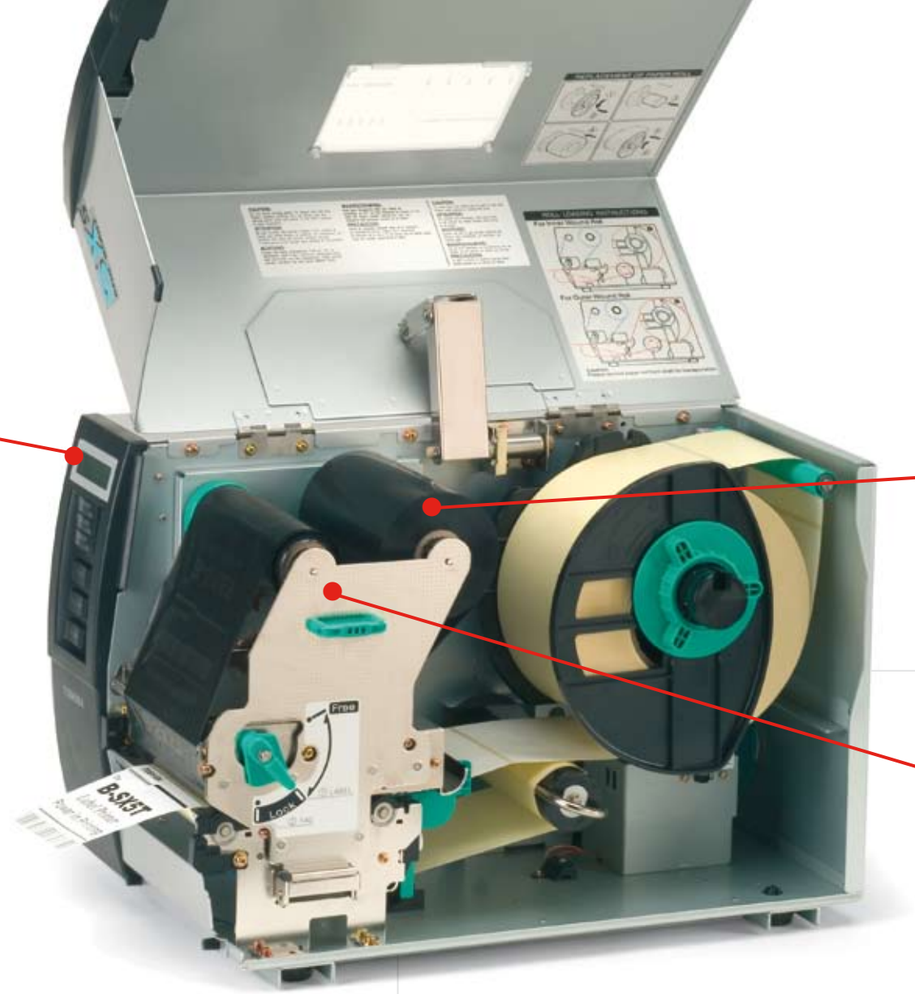
High End High Quality Industrial Printers

# TOSHIBA

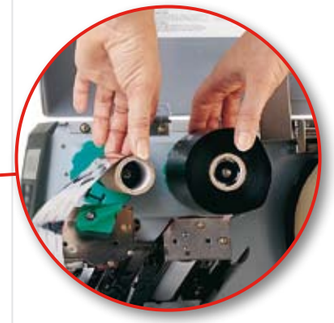
**Leading Innovation**

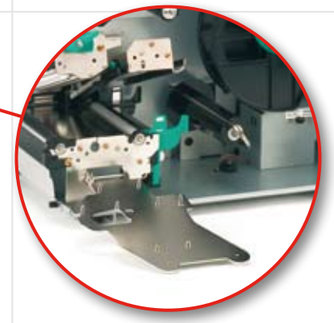
**The B-SX4 and B-SX5 combine ease-of-use with a very low total cost of ownership making them the ideal choice of flexible industrial printers.**



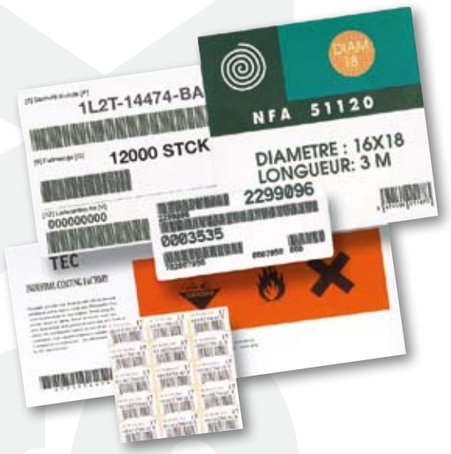

## B-SX4 & B-SX5





## Suitable Applications

- Manufacturing
- Automotive
- Chemical Industry
- Pharmaceutical Industry
- Textile Industry
- Electronics
- Telecommunications
- Food Sector
- Retail Distribution
- Transport and Logistics
- Healthcare
- Utilities
- Government




## Speed

High-speed printing is of course the norm. But the overall throughput is enhanced by a fast 32 bit RISC CPU (SH-3 88 MHz), 16/32 MB DRAM image buffer, and 8 MB Flash Memory for programs and large data file storage.

## Ease of use

Access to print head, platen, paper path and sensors is made quick and easy by the wide opening mechanism.

# Fast, reliable, easy and compatible at a lower total cost of ownership

A CD-ROM is provided with the printer that includes the Owners manual, technical manuals, BarTender UltraLite label printing software and Windows drivers - which all make the user's life easier.

## High print quality

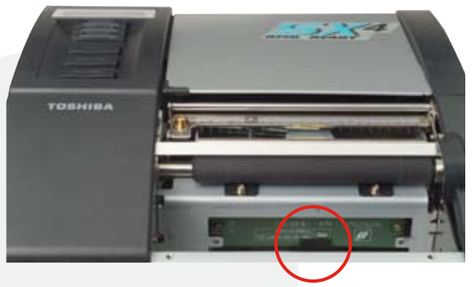
TOSHIBA's very own print heads - 203 dpi on the B-SX4 and 306 dpi on the B-SX5 - make these machines unique in the market. Innovations include high-precision heat history control in 7 stages, a new hyper heater mechanism and improved alpha protection layer.
The superb clarity is further enhanced by the new linear torque control of the TOSHIBA TEC double ribbon motor system. The on-the-fly ribbon save function allows ribbons to be saved without a detrimental effect on throughput (an option on the B-SX4). The TOSHIBA print heads also extend the print head life (100 km life time).

## Reliability

A field-proven heavy-duty steel cabinet and a robust inner mechanism combine to ensure the incredible reliability of the B-SX4 and B-SX5. Several technological advances mean more performance and functionalities at a competitive price.

## Full compatibility

Software and supplies are compatible with TOSHIBA TEC's previous models - the B-X printer range produced under the TEC brand.




*UHF RFID antenna*

## Enhanced Features

**Internet, E-mail, FTP, XML, RFID and BCI.**
The enhanced functions offer many advantages including:

- remote printing and technical support
- less costly software integration thanks to standardised XML data exchange
- remote label format installation and updating (web print spooling)
- notification of errors and events
- data manipulation and processing using the BCI

## Basic Command Interpreter

The BCI can run Basic programs allowing the manipulation of incoming print data to generate the correct label formats. This allows the printer to be connected to existing legacy systems eliminating the need for costly software changes. The BCI can also communicate with external devices allowing the easy integration of other technology systems.

## Easy connectivity

The B-SX4/SX5 printers have an array of interface options:

| Standard | Optional |
|---|---|
| 1 external RS232C port<br>1 internal RS232C port for RFID | Expansion I/O |
| ECP Parallel port (Centronics) | USB v1.1 port |
| | Built-in LAN board 10/100 Base |
| | 2-slots PCMCIA interface board |
| | Wireless LAN 802.11b card |
| | RFID Enabled |

## RFID

RFID Technology satisfies the growing requirements of supply chain management. Data, text, barcodes and graphics can still be printed on labels in the usual way, but at the same time complementary information is stored on integrated circuits utilising radio frequency, ready for future reading or editing as required. In fact these printers treat the addition of RFID data as just another barcode. So for the user or programmer no knowledge of RFID is necessary. Just send the data as part of a label format and the printer does the rest.

**HF 13.56 MHz**

(only available in Europe)
The B-9704-RFID-H1* option enables the printer to encode chips at 13.56 MHz. Current supported chips are C210, C220, C240, C270 (I-Code), Tag-It, ISO15693, and ISO18000 type 3.

**UHF 869.5**

The B-SX704-RFID-U2* option enables the printer to encode chips at 869.5 MHz. Current supported chips are EPC Class0, Class0+, Class1, Class1 GEN2, and ISO-18000-6-B.

* Subject to certification and frequency regulations in each country.