B-SX4 & B-SX5

Specifications

	B-SX4T	B-SX5T
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 (4.09")	Maximum 127.5 mm (5.02")
Print Length	Maximum 1.500 mm (59")	
Print Speed	up to 254 mm/sec (10 ips)	up to 203 mm/sec (8 ips)
Ribbon Save	Optional	Standard
Interfaces	Serial port, 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, NW7, MSI, Industrial 2 of 5, ITF, Postnet, RSCC, KIX-code	
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 true Type fonts (20 types)*	
Optional	Swing cutter module, rotary cutter module, strip module + rewinder***, USB Interface, Built-in LAN board, Expansion I/O***, 2slot-PCMCIA I/F board, RFID kit	
Dimensions	291 mm (W) x 460 mm (D) x 308 mm (H)	
Weight	18 kg / 39.7 lbs. (without media and ribbon)	19 kg / 41.9 lbs. (without media and ribbon)

Customers' benefits

The B-SX4 and B-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 maximized ROI during total life cycle
- perfect readability of labels & barcodes due to built-in high quality print technology
- supplied with Bartender TEC UltraLite labeling software

All company and/or product names are trademarks of their respective owners. All features and specifications described in this brochure are subject to change without notice.

TOSHIBA TEC AMERICA
4401-A Bankers Circle
Atlanta, GA 30360
U.S.A.
Telephone (770) 449-3040
Fax (770) 449-1152
www.toshibatecusa.com

TOSHIBA TEC CANADA INC.
370 Britannia Road East, Unit #1
Mississauga, Ontario
L4Z 1X9, Canada
Telephone (905) 890-8283
Fax (905) 890-0082
www.toshibateccanada.com

TOSHIBA

B-SX4 & B-SX5

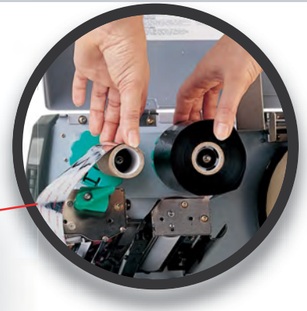
With over 20 years experience in producing barcode label printers, the TOSHIBA B-SX4 & B-SX5 thermal transfer/direct thermal industrial printers provide world leading innovation and reliability. Built with the future in mind, the 'RFID Ready' B-SX printers take the barcode label printer to the next level.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

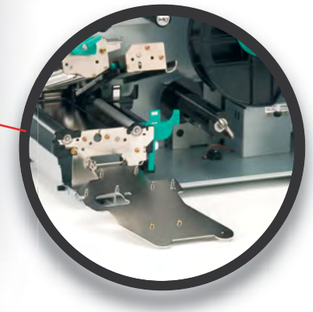
High-end, High-quality Industrial Printers

TOSHIBA

B-SX4 & B-SX5

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.





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), 8/16 MB DRAM image buffer, and 4 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. A CD-ROM is provided with the printer that includes the Owners Manual in several languages, technical manuals (Programming, Supply, etc.), BarTender TEC UltraLite label printing software and Windows drivers - which all make the user's life easier.

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

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 provided by the use of these print heads include high-precision, heat-history control in 7 stages, a new hyper-heater mechanism and improved alpha protection layer. The superb clarity of these print heads is further enhanced by the new linear torque control of the TOSHIBA 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 lifetime).

UHF RFID Antenna

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's previous models - the B-X printer range produced under the TEC Brand.

Enhanced Features
Internet, E-mail, FTP, SML, RFID and BCI

The enhanced functions offer many advantages including:
- remote printing and technical support
- less costly software integration thanks to standardized XML data exchange
- remote label format installation and updating (web print spooling)
- efficient 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 1 Internal RS232 port for RFID	Expansion I/O
EPC 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

Suitable Applications

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

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 utilizing 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.

UHG 869.5

The B-9704-U1-QP option enables the printer to encode chips at 869.5 MHz. Current supported chips are EPC Class 0, Clas 1 and ISO-18000-6-B. EPC Class 0+, GEN2 will be available in the near future.