



High Quality Precision Printing & Labelling

# APLEX4 PRINT&APPLY

## APLEX4 PRINT&APPLY

Automatic print and apply system that easily integrates to any production line

### ONE-STOP SOLUTION

(including media and service and support)

Toshiba can offer a total solution including a full range of media, ribbon, labels consumables and cleaning products.

A European services network available in most European countries provides essential peace of mind that once installed, the system will be serviced and maintained by experienced engineers and service staff.



### GREEN CREDENTIALS

Toshiba is committed to the design and production of products that reduce environmental impact, creating environmental quality standards for each product and prescribing them with the highest levels required by the industry.



All Toshiba Products are RoHS compliant.  
<http://www.toshibatec.co.jp/csr/report>

### APLEX4 BENEFITS

- Automatic labeling solution for wide range of products.
- Flexible and modular ready to respond to any need for online labeling.
- Easy integration into production lines.
- High quality printing ensuring compliance with the requirements of the supply chain and distribution industries.
- Ease to use and maintain.
- Emulation functionalities.

### CHARACTERISTICS

<b>Application Method</b>	Direct tamp / Tamp blow (stationary or moving carton)
<b>Label Application</b>	Up to 30 labels/min. Min.: 25x25 mm – Max.: 116x200 mm (Ask for special applications)
<b>Piston Stroke Applicator</b>	Max. 400 mm - useful 250 mm Auto height detection - Package flexibility (variable height carton / product)
<b>Working Modes</b>	Print+Apply / Print+Wait up/down +Apply
<b>Air pressure</b>	4-6 bars / tube Ø8 mm, includes internal air filter
<b>In/Out Signals</b>	Print / Apply / Inhibition / Test button Ready / Error – status light (option) / Working
<b>Security Signals</b>	Perimeter / Presence of hand (option)
<b>Interface</b>	USB 2.0, Ethernet
<b>Optional Interface</b>	Parallel, serial, wireless LAN, RTC & USB host
<b>Network Tool</b>	SNMP
<b>Std. Fixing System</b>	Tube Ø50 mm diameter
<b>Dimensions</b>	705 (H) x 364 (W) x 585 (D) mm

PRINTER MODEL	B-EX4T1	B-EX4T2	B-EX4D2
<b>Method</b>	Direct thermal / Thermal transfer		Direct thermal
<b>Print Width</b>	104 mm		
<b>Max. Print Speed</b>	14 pps (355 mm/sec)	12 pps (304 mm/sec)	12 pps (304 mm/sec)
<b>Resolution</b>	203 / 305 dpi	203 / 305 / 600 ppp	203 dpi
<b>Font</b>	Bitmap and outline		
<b>Barcode</b>	Includes GS1 DataBar (RSS) compatibles		

### MEDIA

<b>Paper Width</b>	120 mm	114 mm	114 mm
<b>Paper Alignment</b>	Centre	Left	Left
<b>Paper Roll Diameter</b>	External rewinder 200 mm with inner core dimension 76 mm		
<b>Std. Ribbon Length</b>	600 / 800 m	450 / 600 / 800 m	

### OPTIONS

<b>APLEX4 Print&amp;Apply</b>	Light status indicator, hand presence sensor, standalone touchscreen keyboard, support column	
<b>EX4 Printer Series</b>	Ribbon save, cutter, peel off & rewinder, RFID kit	Cutter, peel-off & internal rewinder

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The APLEX4 label applicator in combination with the Toshiba B-EX series industrial printers enables full automation of labelling processes and provides a robust, reliable printing and above all cost effective label printing solution for customers across all sectors.

The APLEX4 and B-EX4 series solution is a complete self-contained label application system that is easy to use and integrate but provides the best TCO in the market.



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# TOSHIBA

Leading Innovation >>>

# Why Choose Toshiba Solutions

## Reliability

- ▶ With over 25 years' experience in the Auto-ID market, Toshiba is one of the only manufacturers that still manufactures its own products. Toshiba creates, designs, tests, manufactures, installs, and maintains the complete range, guaranteeing consistency and long-term reliability.

## Durability

- ▶ All Toshiba products have been designed to operate in the most extreme environments. From portable products with robust and rugged outer casing, through to the industrial range with field-proven heavy duty steel cabinets and robust inner mechanisms. Toshiba's user protected design improves safety, restricting access to the printers moving parts.

## Connectivity

- ▶ For easy connectivity, Toshiba printers have a range of interfaces for fast integration into any system. LAN is standard on most of the Toshiba range.

## Compatibility

- ▶ Toshiba's BCI and emulation capabilities allow the printers to simply slot into working legacy systems without software or driver changes, ideal for replacement of existing products or adding to a current estate.

## Low Cost of Ownership

- ▶ Toshiba products are designed and produced to such a high quality that they can last a lifetime. Technology and tools, such as the ribbon save function, enable the user to use less ribbons and to replace the thermal print head less often. This means not only a reduction of impact on the environment, but also a lower Total Cost of Ownership.

# APLEX4 VERSATILE LABEL PRINTING & APPLICATION

The Toshiba APLEX4 is designed to support all types of industrial environments, adapting easily to existing production lines .The module for the Toshiba EX Series industrial printers enables in-line operation with thermal transfer and direct thermal media.

Available in resolutions of 200, 300 & 600 dpi, with ribbon lengths of up to 800 m and automatic ribbon save \*.

\*Ribbon Save available on the T1 models only

## READY TO GO

Plug & Play - Easy installation and configuration.  
The applicator comes standard with everything needed to operate, tamp pad, air filter regulator, photocell, test button, to simplify the installation setting.

High performance, with production levels up to 30 labels per minute.

Maximum operating time with ribbon of up to 800 m (even longer if ribbon save is available).

Graphic LCD with backlight for easy access to user information and settings.

## APPLICATION FLEXIBILITY

The Applicator can be set to apply labels from the top, bottom or sides and at any rotation angle required.

Flexible label sizes from 25 x 25 mm to 116 x 200 mm.

Easy adjustment of contact pressure levels for use with delicate products.

## LABELLING IN MOTION

1" Piston shaft with adjustable up/down speed.

Auto-sensing (labeling at different heights).

Ability to work using direct tamp and tamp blow for stationary or moving carton / products (up to 20 m/min).

## APPLICATIONS

- ▶ Automating the labeling process
- ▶ Pallet labels, shipping labels
- ▶ Flexible sizes of boxes, cartons or products on the same line
- ▶ Product labeling, processing / food distribution
- ▶ Distribution centers receiving / shipping, cross docking
- ▶ Courier, transport, logistics



Labeling in motion, different sizes up to 30 labels per minute



Compact, secure and easy to access for the end-user

# HIGH PERFORMANCE INDUSTRIAL PRINTING

## OPERATING COST REDUCTION

Toshiba technology enables real world and dramatic reductions in operating costs. The APLEX4 module works in conjunction with the B-EX4 printers series, with options like the automatic ribbon saving and improved technologies that reduces by almost 70% the energy consumption in standby mode when compared to its predecessor. The dual motor ribbon drive removes wrinkles in the ribbon and so reduces paper and ribbon waste . These special features reduce the total operating costs while helping to preserve the environment.



Versatile, applying labels top,bottom or sides at any rotation

## EMULATION TECHNOLOGY

Toshiba's Z-mode and BCI technology enable Toshiba printers to seamlessly integrate to existing legacy systems or work with non-printer data flow without the need to modify your current host system. No need to change your software, just install the printer and start working. Get rid of the restrictions of proprietary systems, protect future investments and reduce your total cost of ownership.



Easy installation, plug& play accessory for the B-EX4 printers series

## SECURITY

Pressure sensor to prevent accidents.  
Perimeter signal (instantaneous stop): prevents piston movement in case of access to the enclosed work area.  
Pressure regulator limited to 6 bars.  
Sensor "presence of hand" (option).  
The piston remains in the up position even if the air is closed.

## EASY MAINTENANCE

The piston is self-calibration and maintenance free with sealed guides.  
Inlet and outlet air regulation with particle micro filters.

## OPTIONAL ACCESORIES

- Light status indicator
- Sensor "presence of hand" to prevent accidents
- Autonomous keyboard with touchscreen
- Support column



B-EX4 a superior range of industrial printers at midrange price for a wide variety of applications

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**RFID READY**