TOSHIBA

Product brochure | Automatic Print & Apply System

APLEX



Increase productivity through intelligent automation

APLEX makes the transition to automated labeling particularly easy. The ready-to-use Print & Apply solution integrates quickly into existing production lines - without complex modifications, custom developments or lengthy projects. This increases productivity while keeping implementation effort and costs low.

Connect. Configure. Start.

APLEX is supplied as standard with all components required for the automated labeling process. These include the label pad, air filter regulator, photo sensors and compatible accessories. The preconfigured system can be installed and ready for production within just a few hours.

Efficient complete solution

- Flexible combination with Toshiba industrial printers
- Fully preconfigured Ready-to-run system
- Easy-to-maintain design for reliable inline operation
- High productivity with controlled investment costs

Labeling during production

- Automatic detection of different product heights
- Adjustable upward and downward applicator speed
- Direct tamp and blow-on application
- Suitable for stationary and moving products
- Processing speeds of up to 20 m/min

Flexible application

- Label application from the top, bottom or side
- Flexible orientation for different production environments
- Label formats from 25 x 25 mm to 148 x 200 mm
- Adjustable application pressure for sensitive products
- Also suitable for contactless Blow-on applications

Safety as standard

- Integrated pressure monitoring for safe operation
- Immediate stop when access to the working area is detected
- Protection against unintended applicator movement
- Safe upper position even when compressed air is switched off

APLEX - your benefits at a glance

Increase productivity

Increases labeling efficiency by up to 3.5 times by eliminating manual process steps.

Easy to upgrade

Compatible with all Toshiba 4-inch and 6-inch industrial printers for a flexible entry into automation.

Significant cost savings

Reduces production time and operating costs through automated, error-free processes.

Ready to use

Delivered as a fully preconfigured system for fast commissioning without delays.

Seamless integration

Integrates into existing production lines in less than three hours, without complex conversion.

Future-proof investment

RFID-ready and fully compatible with Toshiba consumables and software solutions - ready for future requirements.

Specifications

Print & Apply

	APLEX4	APLEX6
Applicator type	Print & Apply system for 4-inch industrial printers	Print & Apply system for 6-inch industrial printers
Application method	Direct tamp or blow-on application for boxes and products in motion	
Application speed	Up to 30 labels/min.	Up to 20 labels/min.
Label format	25 x 25 mm - 116 x 200 mm (Other formats on request)	50 x 25 mm - 148 x 200 mm (Other formats on request)
Applicator stroke	Max. 400 mm, 250 mm usable; automatic height detection for products of variable height	
Operating modes	Print & Apply, Print & Wait and up/down movement followed by application	
Compressed air supply	4-6 bar; hose Ø 8 mm; internal air filter included	
Input/output signals	Print, Apply, Lock, Test, Ready, Error[1] and Operation	
Additional safety signals	Safety area and hand detection	
Mounting system	Tube Ø 50 mm	
Dimensions (W x D x H)	365 x 585 x 705 mm	

Printing method

	BX410T	BX420T	BX430T	BX420D	BX610T	BX620T
Printing method	Thermal Transfer / Direct Thermal			Direct Thermal	Thermal Transfer / Direct Thermal	
Max. print width	104 mm				152 mm	
Max. print speed	355 mm/s (14 ips)	305 mm/s (12 ips)	152 mm/s (6 ips)	305 mm/s (12 ips)	305 mm/s (12 ips)	
Resolution	203/305 dpi	203/300 dpi	600 dpi	203 dpi	203/305 dpi	

Media

Media alignment	Centered					
Backing paper width	30-120 mm	25-114 mm	25-110 mm	25-114 mm	50-165 mm	
Roll core inner diameter	76.2 mm					
Max. ribbon length	600/800 m	600 m	300 m	-	600/800 m	600 m

APLEX options

Signal light	v
Hand sensor	v
I/O interface	v
Label pad 100 x 150 mm	v
Label pad 100 x 200 mm	v
Vacuum sensor	v
Proximity sensor	v
Support column	v
Column adjustment	v

