



255 - Label Printer Applicator

Allen-Bradley Controls / PackML / Enhanced Communications

L&C

LABELING
& CODING

255 - Label Printer Applicator

ID Technology's Model 255 Label Printer Applicator is designed for customers looking to install new technology and integration levels into their packaging lines. 255 customers include integrators, OEMs and end users.

PackML and More

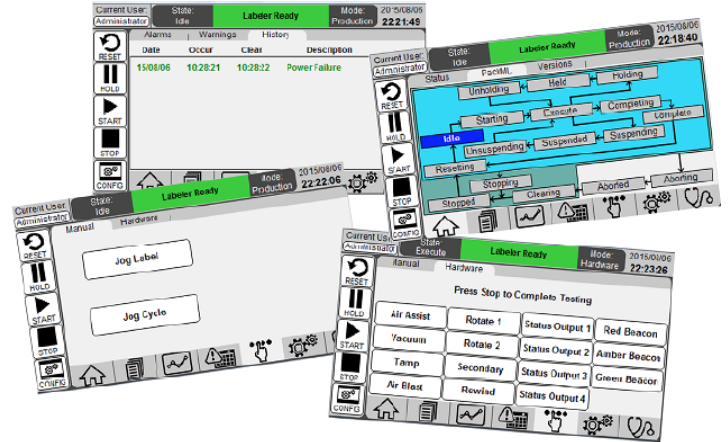
The 255 is designed with PackML compliant controls and communications, making it the perfect printer-applicator for companies that are using this growing standard.

Even for companies that don't need PackML, the 255 can be a very attractive solution.

The 255 is built on the **Allen-Bradley** control platform allowing for easy integration into line control systems with **Ethernet/IP** and **RS232/RS485** built-in.

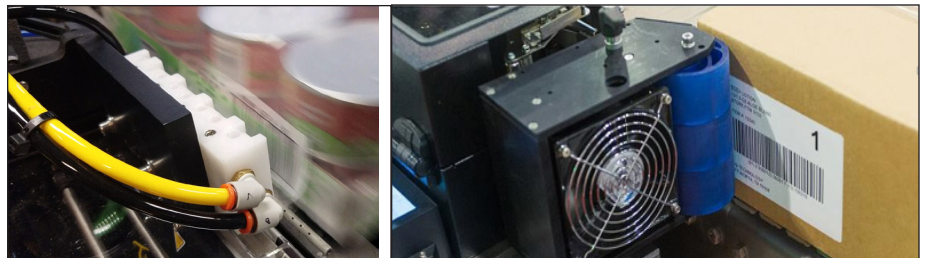
This labeling system can also be supplied with an Allen-Bradley Point I/O unit as an alternative to the PLC. This allows the complete system to be controlled remotely from a customer supplied PLC.

As part of ID Technology's 252 family, the 255 can be configured with any of the wide array of applicator modules and mounting hardware options that are available - the 255 can handle just about every labeling job.

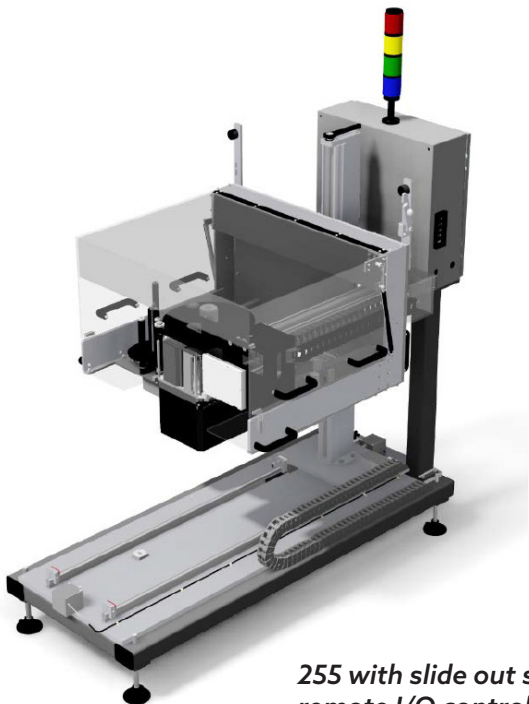


The screens on the color HMI include machine setup, comprehensive diagnostics and PackML state info.

Huge selection of applicator modules



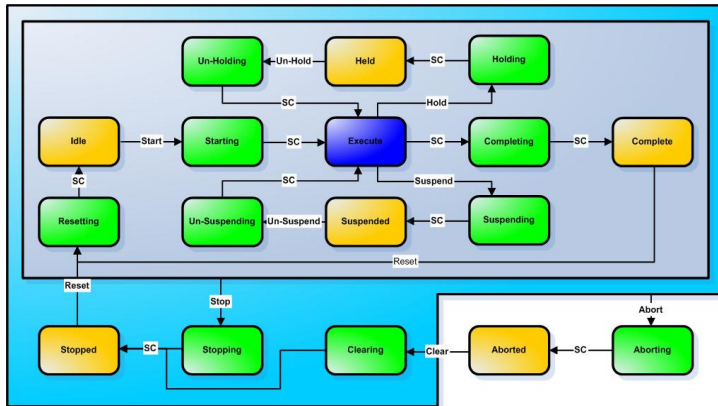
A pair of 255 systems in Zero Downtime configuration



255 with slide out service position stand and remote I/O controls for pallet labeling

PackML

an OMAC standard



The PackML specification was authored by the Packaging Workgroup of The Organization for Machine Automation and Control (OMAC), an industry group looking to maximize the business value of packaging machinery.

PackML provides equipment manufacturers with a structured controls programming philosophy and customers with a standardized look and feel of the machine HMI (Human Machine Interface).

PackML reduces operator training since the controls of each packaging machine are immediately familiar, with common error reporting and screen layouts.

In addition by standardizing machine mode, states and tags, PackML allows for communication between systems, both within the modules of a machine and other machines on a packaging line - regardless of the brand of controls that is used.

PackML has been adopted by the International Society of Automation (ISA) as TR88.00.02, so it is now a global standard.

Many forward thinking companies (P&G, Nestle, Abbott Labs, for example) have been involved in designing PackML and are already using it.

At ID Technology, our Model 255 Label Printer Applicator, is designed to be PackML compliant as are many of our prime labeling systems.

Is PackML right for you? Your ID Technology Labeling Specialist can help you find out!

Controls Specifications

The ID Technology 255 is designed to provide comprehensive communications for integration with line control systems, remote monitoring and other automation systems.

Allen-Bradley Micro850 PLC

- 28 DC inputs, 20 sinking outputs
- Real Time clock
- Analog input (through plug-in module for optional height compensation module)
- Space for 3 additional plug in modules
- On-board Ethernet/IP communications (explicit communications only)
- On-board RS232/RS485 port (can be expanded with plug-in modules)
- Full PackML state model (2 modes, all 17 states)
- Minimum PackTag set plus Recipe data
- Modular programming with on-screen diagnostics on all control modules
- Hardware test mode allows individual testing of all actuators

Color Touchscreen HMI

- 4.3" TFT color touchscreen with easy to use interface
- 480 x 272 resolution, 16M colors
- 128k onboard flash
- 32 bit RISC Cortex-A8 processor at 600MHz
- 10/100 Base-T Ethernet port
- RS232/RS485 combo port

Options

Remote I/O Version

Allows the 255 to be controlled by a remote Allen-Bradley Logix Series (CompactLogix or ControlLogix) controller, provided by the customer. Add on instructions (AOIs) are included for the print and apply functions. These run the same code as the standard 255 module. Just import them into your program, connect the I/O per the included instructions, and trigger as needed by your application.

- AB Point I/O Ethernet/IP adapter
- 24 digital inputs
- 24 digital outputs
- 2 analog inputs
- 1 high speed counter (encoder) input

Remote Mounted HMI

Zero-Downtime Labeling (needs purchase of software key)

Controls a pair of 255 labelers to allow for complete zero-downtime with no missed or double labels.

Conveyor Speed Tracking and Compensation (needs purchase of software key)

Uses an encoder to keep track of conveyor speed and adjust time to ensure accurate labeling.

The 255 is part of ID Technology's comprehensive line of label printer applicators. Contact us today and we'll help you determine which is perfect for you!



For customers using ID Technology labels with our labeling systems, we provide a lifetime limited equipment warranty free of charge. Just ask us for details!