# PANTHER™

# PHANTOM

## PNEUMATIC LABEL PRINTER APPLICATOR

L&C

LABELING
& CODING

# PHANTOM
## PNEUMATIC LABEL PRINTER APPLICATOR

**THE EVOLUTION OF UPTIME**

Print and apply or pre-printed labeling automation solutions that elevate manufacturing, material handling, and supply chain operations for a better bottom line.

## YOUR NEED. OUR SPEED.

Built on the foundations of our iconic P2000 and P8 systems, and engineered for speed and versatility, the Panther Phantom is the labeling automation solution designed to excel in a variety of applications. The Phantom can be custom-configured to address your specific labeling requirements to achieve maximum throughput and eliminate outdated or manual labeling processes:

- Two different tamp options for either direct or passive contact.
- A merge option for direct application of pre-printed labels.
- Two different swing arm options for single or multiple-side labeling of items, including cylindrical or non-flat surfaces.
- Wipe-on labeling for high-speed applications.
- An active or passive corner-wrap solutions.
- A semi-automatic flag solution for wrapping a label around tubes, hoses, or other cylindrical items.

The Phantom is meticulously and intentionally engineered to meet the demanding needs of manufacturing, warehouse, distribution, fulfillment, or third-party logistics (3PL) environments. No matter your need, the Phantom's durability will deliver exceptional performance to support your specific supply chain or material handling operations.

## No matter what you're labeling – products, packages, pallets, or polybags – Panther features effective labeling automation solutions that help your operations:

**INCREASE THROUGHPUT**

Faster fulfillment speeds within the same or smaller footprint.

**REDUCE EXPENSES**

Our lowest-cost robot eliminates your highest labor expense (turnover, onboarding, and training).
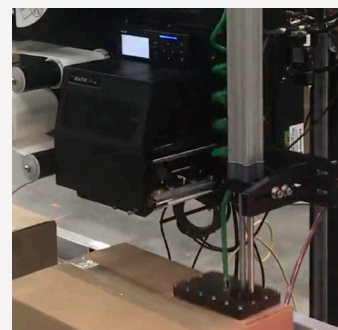
**DECREASE WASTE/LOSS**

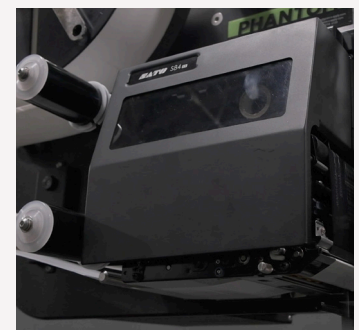Mitigation of waste and loss due to human error or outdated manual processes.

*Accommodates a 14" roll, with a low label sensor.*

*Remote-mounted 7" touch screen display allows for flexible placement options on the system or elsewhere.*

*Zero waste phuematics - only uses air during operation.*

*OEM print engine capability with SATO or Zebra printers, depending on need or preference.*

# FEATURES

## Controls

- 48 I/O point PLC (expandable up to 56)
- Quick change electrical connections with no hardwiring
- Ethernet I/P or Modbus TCP on the PLC for direct communication with remote host
- Position sensor ensures applicator is home prior to printing a label
- Internal maintenance manual for self-servicel
- EPC Gen 2 RFID (available with RFID print engine upgrade)
- Low label sensor
- Low ribbon detection

## Applicator Options

Completely modular system with multiple configurations:

- Tamp (up to 24" of stroke)
- Tamp/Blow
- Blow On
- Wipe On
- Merge/Wrap
- Swing Arm Up to 24"
- Integrated Table
- Fold
- Flag
- Corner Wrap

## Additional Features

- Zero waste pneumatics – only uses air during operation
- Auto tamp sensor on all straight tamp applicators (detects contact with a product for a softer, more responsive application)
- Remote mounted 7" touch screen display
- Product detect photo eye
- Reliable waste takeup system with quick-change "O" ring belt drive
- OEM print engine design for off-the-shelf replacement
- Printer interface via HMI
- Simple and efficient label and ribbon loading
- Easy access to air solenoids
- LED indicators on all devices
- Adjustable T-base stand
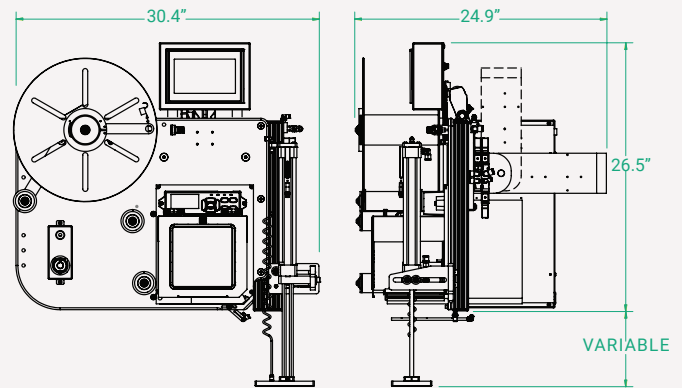- Multiple mounting options
- One-year warranty

## Customized Options

- Quick-change applicator heads for multiple label sizes
- 80/20 overhead mounting bracket
- 12 – 24 inch stand height extension
- EPC Gen 2 (900MHz) compliant RFID capability

# SPECIFICATIONS

## Dimensions

- 30.4" (w) x 26.5" (h) x 24.9" (d)



30.4"  24.9"  26.5"  VARIABLE

## Hardware

- Main Plate: 1/2" aircraft aluminum
- Fasteners: Nickel-plated and corrosion-resistant
- Eurofast sensor connections

## Electrical

- Input: 115VAC @ 5.0 amps 50/60Hz single phase
- Output: 24VDC @ 0.6 amps

## Pneumatics

- 60 PSI @ 3 CFM (working) / 0 CFM (idle)
- OSHA approved lockable shutoff
- High flow, low pressure pneumatics for safety

## Print Engine

- Print Engines: Zebra or SATO
- Print Method: Thermal Transfer or Direct Thermal
- Print Width: 6.6" maximum | 0.5" minimum
- Print Length: 14" maximum
- Print Resolution: 203, 300, or 600 dpi (600 dpi not available for all print engines)
- Media Supply: 14" OD on 3" core
- Communication: Serial, Parallel, E-Net, Wireless E-Net, USB

## Applicator

- Placement Accuracy: Within 0.125"

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## APPLICATOR CONFIGURATIONS



**MERGE**

*Brush or wrap options that directly applies a pre-printed label to a product or carton.*



**TAMP**

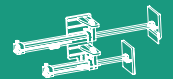*A straight tamp, linear applicator for top and side label applications.*



**BLOW / TAMP BLOW**

*For delicate applications where direct contact of the product is not ideal (e.g., food or light objects).*



**FRONT/REAR SWING**

*For front or back label applications, also configurable for top-apply labeling.*



**CORNER WRAP** (ACTIVE OR PASSIVE)

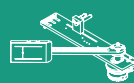*Application around a corner when the label needs to be viewed on more than one side.*



**WIPE** (ACTIVE OR PASSIVE)

*For extreme, fast-paced label applications.*



**FLAG**

*Perfect for labeling tools, tubing, pipes, cables, or medical equipment.*



**SWING ARM**

*Applies labels to a front or side location (or separately to both front and side), around a corner, or around a cylindrical/non-flat object.*



**INTEGRATED TABLE**

*A semi-automated process where items are labeled individually.*



**CUSTOM**

*Panther has the expertise to design custom applicator options that do not fit into our standard configurations.*

# PROMACH®

# PANTHER™

Labeling automation solutions from Panther Industries are engineered to provide reliable operation with simplified maintenance. We understand that 100% uptime is critical to your operations, so our products are designed to run (and run). Our flexible systems feature multiple application methods and are easily integrated and commissioned into your operations.

To learn how labeling automation solutions from Panther Industries will benefit your company's bottom line, contact a Panther sales representative today.

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