



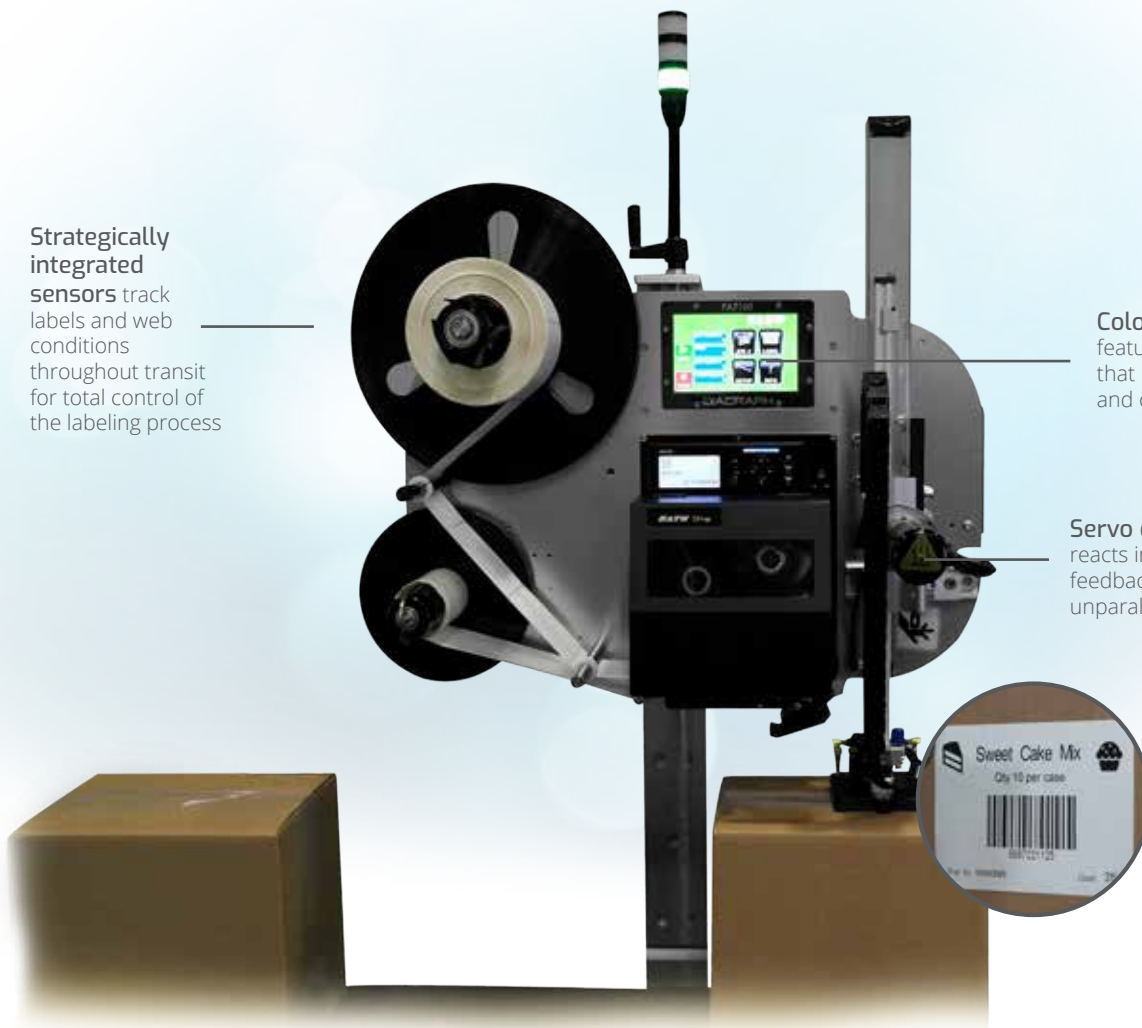
## PA7100 ALL-ELECTRIC PRINT & APPLY LABELER

The Diagraph PA7100 all-electric print and apply labeling system is designed using brushless servo-controlled label dispensing technology and smart sensing auto-adjusting controls to achieve precise label placement at high speeds. Manufacturers can remotely adjust system settings and view system statuses across their entire fleet of PA7100s without the need for manual interventions on the production line. Reliably print and apply labels in various applications including the side, top, bottom, front, rear and corner-wrap of product, case and pallet panels.

Strategically integrated sensors track labels and web conditions throughout transit for total control of the labeling process

Color touchscreen display features an intuitive user interface that provides real-time reporting and on-board diagnostics

Servo driven actuator reacts in real-time to feedback from sensors for unparalleled precision



### KEY FEATURES

- **All-electric design** frees manufacturers from the inconsistencies and high costs of plant air, enabling unparalleled one-to-one label-to-product placement
- **Diagnostic screen** provides real time feedback from smart sensors for quick troubleshooting
- **Brushless DC servo motors** drive precision label dispensing and control throughout transit for superior label placement
- **Remote access** allows for setting adjustments and status checks to take place away from the line on a controller or PC



## SPECIFICATIONS

Dimensions (with Yoke)	31" (787mm) L x 27" (688mm) H x 26" (660mm) D
Certifications	IEC 61000-6-2 2005/AC: 2005 Immunity, IEC 61000-6-4 2007/A1: 2011 Emission, FCC Part 15b, CSA CAN/CSA-C22.2 No. 62368-1:2014, UL62368-1:2014
Supply Roll Capacity	14" (355.6mm) OD
Core	3" (76.2 mm) Diameter
Label Length	*0.5" (12.7 mm) Min. up to 14" (355.6 mm)
Label Width	*0.5" (12.7 mm) Min. up to 6.5" (165.1 mm)
Temperature	41°F – 104°F (5°C – 40°C)
Humidity	10 to 85% Relative Humidity, Non-Condensing
Controllers	Touch Pro, HH-4000

<b>Weight</b>	
E-Tamp, E-WASA, High Speed Tamp	120 lbs (54.4 kg) (Includes Yoke, No Stand)
E-FASA	130 lbs (59 kg) (Includes Yoke, No Stand)
Chi-Stand	96 lbs. (43.5 kg) (Includes Yoke, No Stand)

<b>Accuracy</b>	
E-Tamp, E-WASA, E-FASA	±0.06" (±1.6 mm)
E-Tamp/Blow, High Speed Tamp	±0.09" (±2.4 mm)

<b>Product Rate</b>	
E-Tamp	Up to 120 PPM
E-Tamp/Blow	Up to 55 PPM
E-FASA	Single Apply: Up to 52 PPM; Dual Apply: Up to 28 PPM
E-WASA	Dependent on Label Length, Print Speed and Product Spacing
High Speed Tamp	Application Dependent

<b>Line Speed</b>	
E-Tamp, E-Tamp/Blow	Up to 150 FPM
E-FASA	Up to 75 FPM
E-WASA	Up to 125 FPM
High Speed Tamp	Up to 300+ FPM

\*Label lengths 1" and below must be application tested and verified.

## TOUCH PRO

Offering best-in-class performance at a low cost, the industrial designed Diagraph Touch Pro is easy to install and use. Pair it with NiceLabel software to design label formats as well as remotely access and adjust labeler settings and job selections.

- **Industrial, stainless steel 10.2" touchscreen PC** with intuitive Windows10 IOT Enterprise interface
- **Built-in Ethernet connectivity** for faster communication with the print engine
- **NiceLabel Software compatible** for building and selecting label formats to print
- **Remote access through WiFi connectivity**
- **SICK vision system software compatible** for barcode verification



## SPECIFICATIONS

Display	
Screen Size	10.2" (25.908 cm)
Display Dimensions (mm)	222.72 x 130.5
Native Resolution (Pixel)	1024 x 600
Technology	TFT LCD
Colors	16.2m
Backlight	LED
Operation	
Operation	Touch
Touch-Technologies	Resistive
System	
Processor	INTEL CELRON N2930, QUAD CORE 1.8GHz
Memory	2 GB DDR3-800 SO-DIMM
Storage	128 GB Solid State SATA Drive
Operating system	Windows 10 IOT Enterprise

Housing Dimensions	
front (B×H)	8.20" x 12.00"
Depth	2.49"
Weight	6.4 lbs.

Ambient Conditions	
Operating temperature	40° to 104°F
Storage temperature	-25 – 80°F
Humidity	10-85% (Non-Condensing)
Protection class	IP 32

Interfaces	
USB	3 x USB 2.0, 1 x USB 3.0, 1 X Internal USB 2.0
LAN	1 x RJ-45
Serial Port	3 x RS-232*
Video Display	3 x RS-232*

Power Supply	
Supply voltage	12 V DC
Power consumption (typical)	19





## HH-4000 HANDHELD CONTROLLER

The Diagraph HH-4000 is perfect for adjusting labeler settings and making job selections when the labeler orientation makes the onboard controller hard to reach. Use one controller across multiple labelers.

- **Compact, handheld controller** with 7" high resolution touchscreen
- **Remote access** to labeler settings and diagnostic screens
- **Pairs seamlessly** with Diagraph's PA7100 and LA7000 labeling systems

## SPECIFICATIONS

Display	
Touch Screen Display Size	7"
Operator Interface	GUI
Enclosure	Black ABS Plastic
Memory	512 MB Flash Memory
Connectivity	(1) 100 Base-T Ethernet Port

System	
Regulatory Listings	Radiated Emissions (CISPR 11, EN 55011) Pass, Radiated Immunity (EN 61000-4-3; IEC 61000-4-3), Fast Transient Burst (EN 61000-4-4; IEC 61000-4-4)
Operating Environment Temperature	Ambient Operating Temperature: 40°F to 104°F (5°C to 40°C) Operating Humidity: 10% - 90%, Non-Condensing

## SERVICE SUPPORT

We have designed our service programs to match the skill level of your maintenance team — providing you with the right level of support for your unique operation. Enjoy our support services that come standard with all Diagraph equipment purchases:

- Technical support is only a call or click away via phone, live chat, and email
- Site visits for on-site troubleshooting and repairs are provided by factory-trained service technicians
- In-house repairs incorporate comprehensive preventive maintenance servicing and are offered on a flat-rate basis, ensuring your immediate needs are addressed now and future maintenance is deferred due to printers being returned in like-new condition
- Customer training can be provided on-site or at our company training facility — giving operators the technical knowledge and confidence they need to identify and repair mechanical and electrical problems independently



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