ARRAY
CONTROLLER SERIES

Monet > 01/22/25 1:30 pm (demo) > Station 1 setup
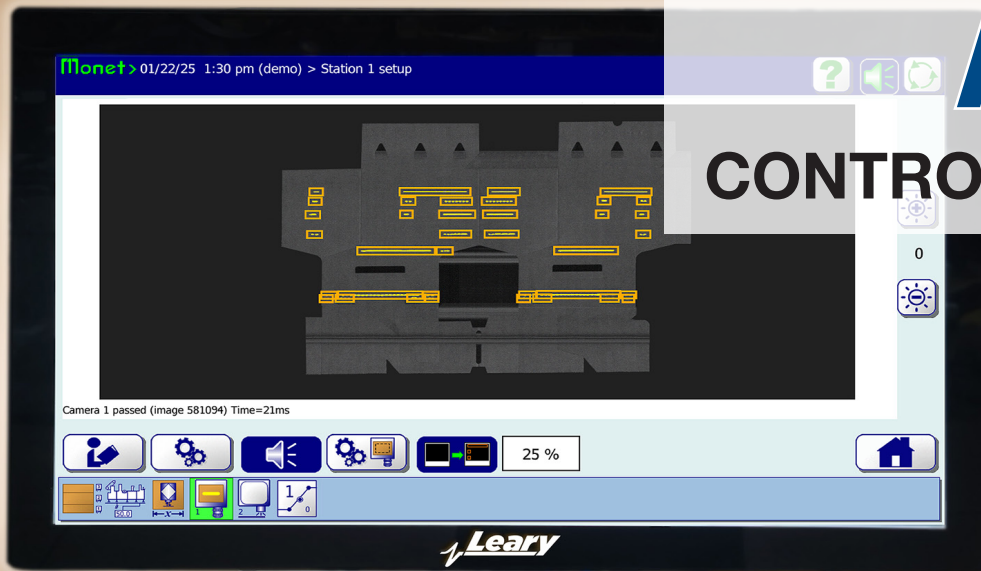
0

Camera 1 passed (image 581094) Time=21ms

25 %

Leary

ARRAY
CONTROLLER SERIES

Leary's Array series of controllers offer glue application, quality assurance and data collection solutions to deliver quality product in an efficient and sustainable way. Array controllers boast the fastest processing speeds and widest options for gluing and quality control to deliver a more automated solution that increases machine throughput and decreases downtime.

This interactive system focuses on the process where glue is applied and how quality is integrated into each product - combining unique settings to automate job setup and improve operation of the carton making process.

Available in three basic formats, Array systems can be specified as either a gluing, quality assurance system or as a fully-integrated gluing and QA controller.

Upgrade at any time in the future, enabling additional functions as your requirements change. The remote 55 cm (22 in) 16:9 touchscreen can be mounted in multiple locations to provide a centralized hub for controlling all software integrations.

Monet OS, Array's software, pairs unique technologies such as On-Target to keep the desired glue line from moving off the target area of the carton, RejectTrak to ensure single defective product removal, SureScan, SAFE software and more.

All Array controllers are compatible with iQ Smart Services cloud-based data collection software. This allows plants to analyze production data such as job tracking, production totals, total waste, downtime reasons, defects and more, to make informed decisions about production.
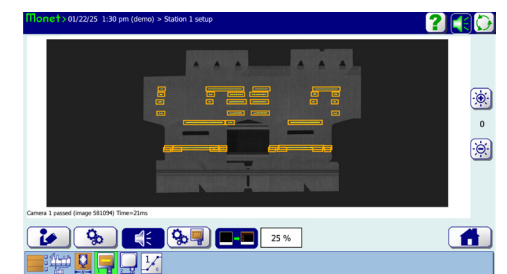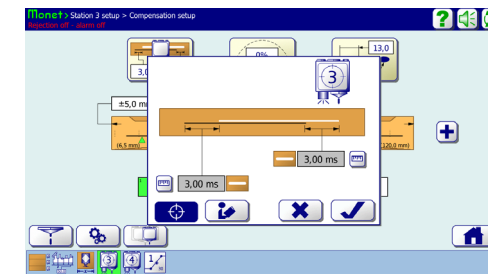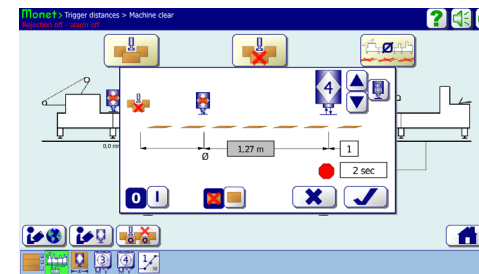
- Up to 24 channel / valve outputs
- Up to 24 detection inputs
- High-speed processing controller
- Accurate at 200,000 cartons/hr and 910 m/min (3,000 ft/min)
- 55 cm (22in) 16:9 SEQURE ID fingerprint screen
- Patented On-Target automatic glue line correction software
- CleanStart tip-sealing technology for glue valves

- Simple Monet software automates job setup and carton production
- Over 70 inspection capabilities
- On-screen camera inspection integration
- Works with all rejection options
- Compatible with iQ Smart Services data collection
- SAFE software option to protect system and job settings

MONET SOFTWARE TECHNOLOGY

Leary's goal is to give operators a tool to enable them to decrease make-ready time and improve quality and efficiencies. Our Array controllers are paired with Monet software, an interface that is simple to use and delivers immediate cost savings.

Monet integrates all functions of the Array controller into a simple to use software platform. Monet operating software has been creatively designed to include features and automation that ensure carton quality is maintained as simply as possible. Monet software improves process automation to deliver defect-free cartons while increasing production and decreasing downtime.
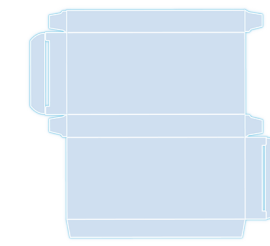

GLUING

CHANNEL OUTPUTS
- 20 pattern events
- 200 spots per product

GLUE PRESSURE FEED
- 2 Glue regulation unit option
- Pressure dumping
- 8 Point pressure curve
- Adjustable purge pressure
- Real time pressure graph

GLUE APPLICATION FEATURES
- Low speed cut out
- Low speed spotting
- Auto spot adjustment
- High speed auto spotting
- On/Off valve compensation

QUALITY

DETECTION PATTERN INPUTS
- Up to 24 detection pattern inputs

SENSOR CAPABILITY
- Glue detection
- Barcode mixed copy detection
- Pharmacode/Color Code reader
- Skew detection
- Flaps detection
- Double feed /Jam detection
- Many more detection options

CAMERA CAPABILITY
- LearyVIEW Flex: Glue, skew, flaps
- LearyVIEW Print: Print inspection
- iCheck: Multi-use
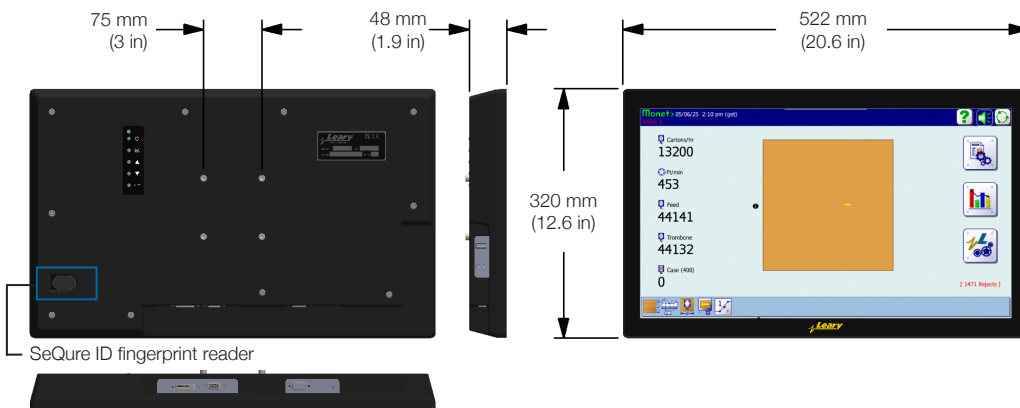- iCode: 1D and 2D codes

DATA

iQ SMART SERVICES
- Cloud based data collection and reporting capabilities
- Process improvement based on production data and trends
- Remote connection for remote job setup and quick assistance
- Display production data for immediate notifications and unique production tracking
- Immediate alerts and notifications of production, quality and risks to deadlines
- Integrate to existing ERP systems

PHYSICAL CHARACTERISTICS

	Array LS-904	Array LS-916	Array LS-924
Channel / Valve Outputs	Up to 8	Up to 8	Up to 24
Pattern / Detection Inputs	Up to 4	Up to 16	Up to 24
55 cm (22 in) 16:9 SeQure ID Screen	•	•	•
Add'l Remote Screens	1	1	1
Encoders	2	2	2
# of Triggers	8	12	24
GLUING			
Glue Regulation Units	Up to 2	Up to 2	Up to 2
Remote Purge Buttons	8	8	Up to 24
Channel / Valve Outputs	Up to 8	Up to 8	Up to 24
QUALITY INSPECTION			
Laser 1D Barcode	Up to 4*	Up to 4*	Up to 4*
iCode 2D Code Reading	Up to 4*	Up to 4*	Up to 4*
Pharmacode Reading	1	1	1
* Uses (1) dedicated barcode input and up to (3) pattern inputs. See specific product technical data sheets for remaining inspection devices.			
SOFTWARE TECHNOLOGY			
Monet 3.2 Operating System	•	•	•
SureScan Technology	•	•	•
Reject Trak Technology	•	•	•
SAFE Software	Option	Option	Option

POWER REQUIREMENTS

- Voltage: 85 - 264 VAC
- Frequency: 47- 63 Hz
- Power Consumption: 900 VA max.

COUNTING FUNCTIONS

Counting sensors ensure that each carton fed through the machine is re-counted at the packer or rejected. These sensors determine an accurate production count, spoilage, products per hour and more.

- Feed Count
- Trombone Count
- Case Count
- Batch Count
- Batch Count Correction

UNIQUE FEATURES

Array controllers using the latest Monet software technology can maximize gluing and quality with unique features including:

- Overlap detection on all triggers
- Short trigger ignore
- Station status reporting
- Multiple scanning logics
- Volume detection
- Low speed spotting detection
- Maximum positional tolerance
- Power off machine interlock
- Separate feed shutdown
- Reject during machine clear
- Reject verification
- Consecutive rejects shutdown
- Station status reporting
- Multiple scanning logics
- Volume detection

SCREEN DIMENSIONS

75 mm (3 in)
48 mm (1.9 in)
522 mm (20.6 in)
320 mm (12.6 in)

SeQure ID fingerprint reader

Array LS-916 Self-Contained Configuration