



**BETTER | DRIVEN BY**  
**IDEAS | QUALITY**

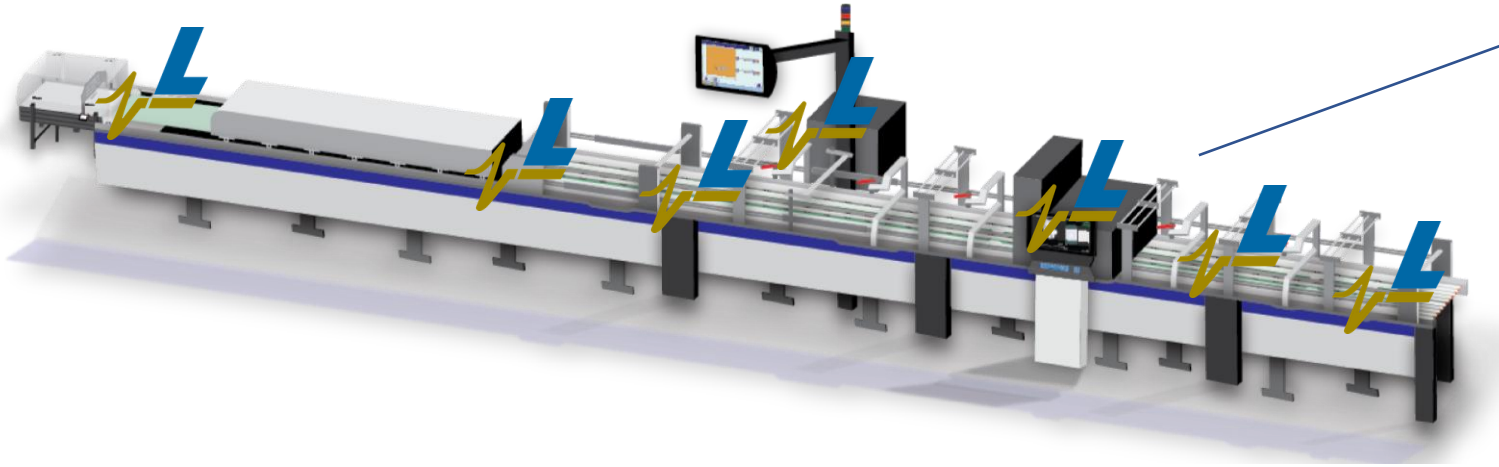
# Expanding Leary Solutions

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06/22/21



# Expanding Leary Solutions



Traditional Leary solutions focus on folder gluers, folding carton design, print and quality.

## PURPOSE:

Introduce additional solutions for other applications commonly found in a folding carton plant.

## WHAT IS COMMON BETWEEN ALL SOLUTIONS:

- Monet intuitive and simple-to-use software
- Same controller, hardware and software integrations
- Data capabilities | Spoilage, rejects, up-time, down-time





# Additional Solutions

1. E-commerce Solution | Silicone Release Liner
2. Barcode Reading on a Die Cutter
3. Gluing and Detection on a Tray Former Machine
4. Quality Assurance on a Window Machine





# 1. Silicone Release Liner Solution for E-Commerce



# E-Commerce on the Rise

- 2<sup>nd</sup> Quarter 2020
  - 44% increase from Q2 2019
- 1<sup>st</sup> Quarter 2021
  - Nearly triple the 13.8% increase registered in Q1 2020
- E-commerce, ready-to-ship with Silicone Release Liner
  - Easy fold mailers
  - Padded mailers and envelopes
  - Self-seal closures





# Silicone Release Liner

**WHEN TO USE:** Want to gain e-commerce release liner customers

**SILICONE RELEASE LINER SOLUTION**

Leary offers a complete pressure sensitive adhesive and silicone release liner solution to converters producing e-commerce and other mailing products. Using the Robatech FK IT coating head along with either Enpro or Straub tape applicators, Leary offers solutions for both high-speed, long run and cost effective short run applications. Package options include: Concept hot melt tank, FK IT coating head, iTac IR hot melt detector, tape applicator and controller.

**Release Liner Options**

**Hot Melt Options**

**Enpro Tape Application**

- Precise tape application up to 200 m/min (656 ft/min)
- ± 1 mm length and ± 2 mm positional accuracy
- 15-50 mm (0.6-2 in) tape width
- Compact application head with separate roll feed
- Additional tear-strip application option
- Built in touch screen controller

**Straub Tape Application**

- Cost effective tape application up to 100 m/min (328 ft/min)
- Positional accuracy ± 2.3 mm
- 6-50 mm (0.6-2 in) tape width
- Combined application head and roll feed dispenser
- Optional toggle between two heads for non-stop running
- Use a Leary controller output to control the application head

**FK IT Coating Head**

- Precise cut-off at high machine speeds
- Coating application widths from 3 - 75 mm (0.1-2.9 in)
- Continuous coating up to 250 m/min (820 ft/min)
- Intermittent application up to 150 m/min (492 ft/min)
- Adhesive viscosities: 100-10,000 mPa·s (100-10,000 cps)

**iTac IR Hot Melt Detection**

- Detect the presence, placement and volume
- Remote amplifier for sensitivity adjustments
- For use with Array controller

**Controller Options**

**MIQRO Controller**

- 4 channel controller
- Operate the FK IT and Straub tape applicator
- Simple set-up and operation
- Automatic hot melt glue pressure control

**ARRAY Controller**

- Combine all silicone release liner control options
- Integrate hot melt tank controls using RobaVis
- Can be combined with cold glue, DA and rejection functions

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- Pressure sensitive hot melt adhesive application and silicone release liner
- Add to existing machine or move from machine to machine
- Can be used on a Folder Gluer or Specialty Folder Gluer



# Expanding Leary Solutions



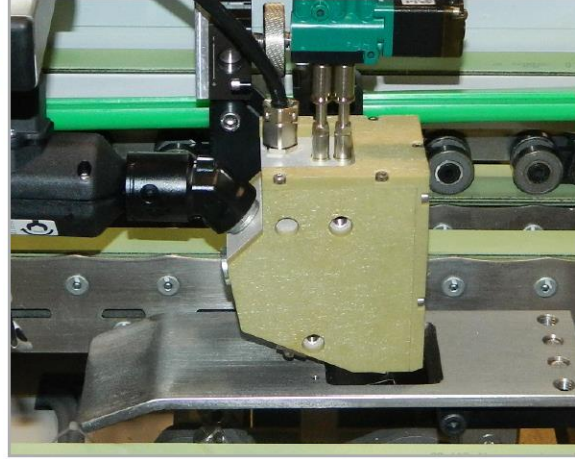
## Video



# Solution Components



Gluing & QA Controller



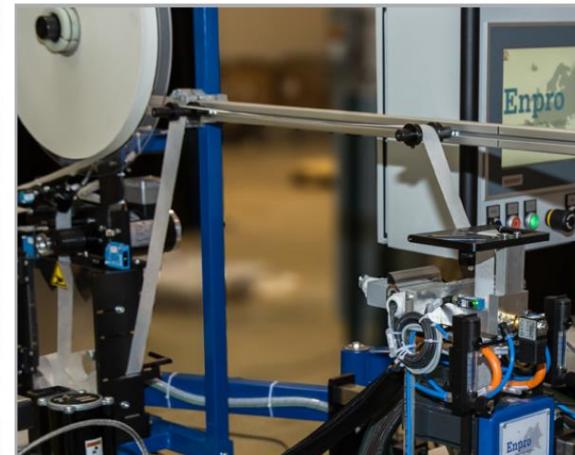
Hot melt coating head



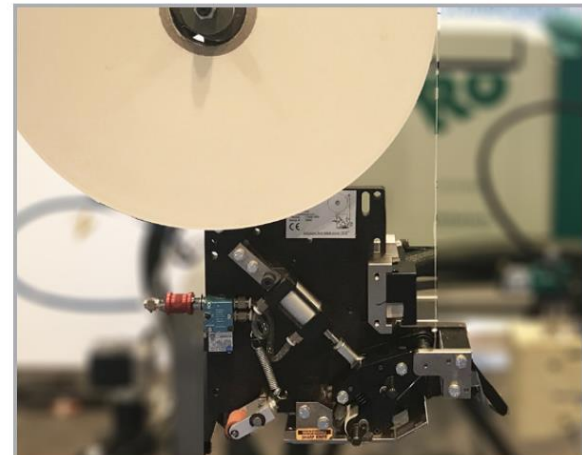
Glue Detection



Gluing Only Controller



Silicone Release liner solution option based on speeds and ability to move from machine to machine





## 2. Barcode Reading on a **Die Cutter**



# Barcode Reading on Die Cutter

**WHEN TO USE:** Unglued jobs needing detection & detection required before FG



**maQ** CODE READING FOR DIE CUTTERS



The MAQ™ detection solution with Monet™ OS is a cost-effective system that delivers seamless quality assurance on die cutters. Easily detect mixed sheet, blank sheet, wrong load and reverse load sheets to provide a vital check for unglued jobs. Detect quality issues early and easily.

The system is easy to learn with Monet's simple setup and offers descriptive failure reason messages. The machine is stopped for any non-compliant sheets, allowing for easy removal of the sheet.

- Detection accuracy at 11,000 sheets/hour
- Machine shutdown, alarm and beacon for faulty sheets



**Laser 1D Code Reader**

- Option to scan on top or bottom of sheet for solid or corrugated board
- Various scanner locations depending on machine
- Provides multiple scans per code to minimize false no reads
- Accurate verification of all ANSI barcodes, including Code 39, Codabar, Code 128, I 2 of 5, Code 93 and UPC/EAN

MAQ detection for die cutters package includes:

- MAQ controller
- Laser 1D barcode reader (single or raster option)
- Shutdown cable
- Two trigger sensors for detection timing
- Mounting post for controller (optional)

Scan to watch product video  [whleary.com](http://whleary.com)



BLIND • QUALITY • DATA F321

- Barcode detection on a die cutter
- Detect mixed sheet, blank sheet, wrong load and reverse load sheets
- Detect quality issues early and easily
- Machine shutdown, alarm and beacon for faulty sheets



# Expanding Leary Solutions

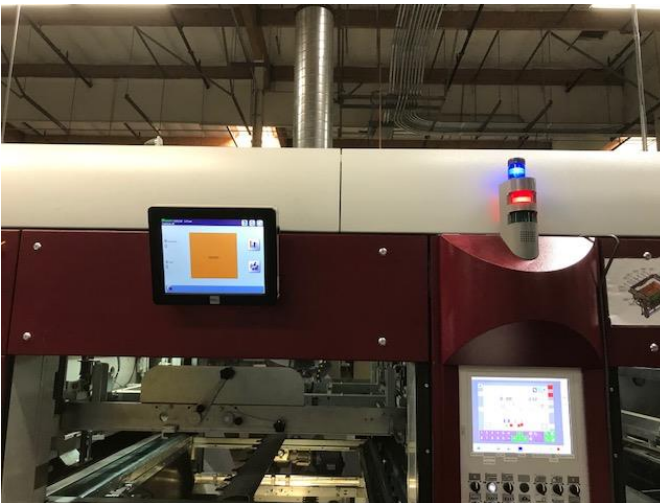


## Video





# Solution Components



- Detection Controller
- Barcode reader to scan for top and/or bottom of sheet
- Shutdown and Alarm option



### 3. Gluing and Detection on a **Tray Former**



# Tray forming

## WHEN TO USE: Improvements to Tray Machine Gluing

**TRAY FORMING MACHINE SOLUTIONS**

W. H. Leary offers Gluing and Quality Assurance solutions for both horizontal and vertical type multiline tray forming machines manufacturing clam shell, fry/chip scoops or other nested cartons.

- Top and bottom glue valve mounting options
- Simple replacement for contact or stencil gluing
- Various quality assurance options for horizontal machines
- Application only or combination application / QA controller
- Reduce job setup times, lower waste and increase production
- IQ™ Smart Services cloud-based data collection option

**Glue Application**

- Fast job change over with minimal setup required
- Non-contact gluing eliminates dips and leaks
- High speed glue application with 1 mm accuracy
- Low glue level alarm option for glue pressure tank

**Glue Detection and QA**

- For use with horizontal machines
- Detect for glue presence, placement and volume
- Window detection
- Detect double fed cartons
- Machine shut down, product marking or machine rejection interface

A variety of application and detection solutions are available for nested fry/chip scoops, trays and clamshell cartons produced on multiline tray forming machines. Cartons can be glued from the top or bottom based on particular machine and carton style. Tray machine lines with Leary equipment offer less down time, lower waste and more consistent glue application with fewer operator adjustments.

With combined gluing and detection on horizontal type forming machines, any carton that does not meet the desired specifications can be automatically rejected or marked for manual removal.

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whleary.com

- Replaces contact or stencil gluing
- Horizontal and vertical type multiline tray forming
- Clam shell, fry/chip scoops or nested cartons
- Non-contact gluing solution





# Expanding Leary Solutions

## Video



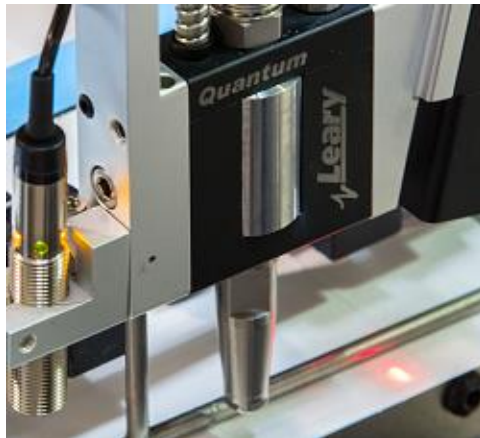
# Solution Components



Gluing Only Controller



Gluing & QA Controller



Cold Glue Application



Gluing & QA on Tray Former



Glue Detection





# 4. Window Machine Gluing & QA



# Window Machine Gluing & QA

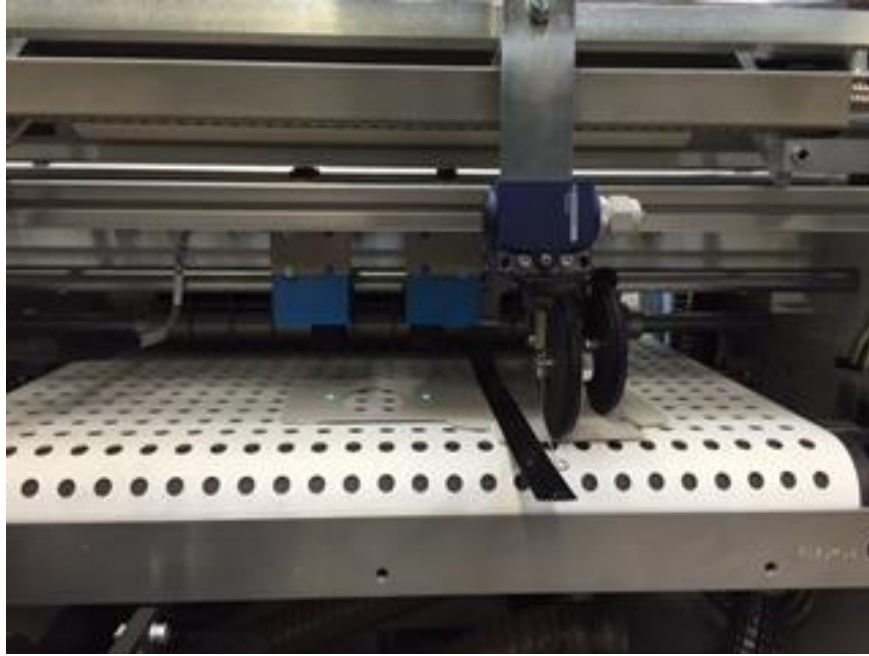
**WHEN TO USE:** Running Product with cello window



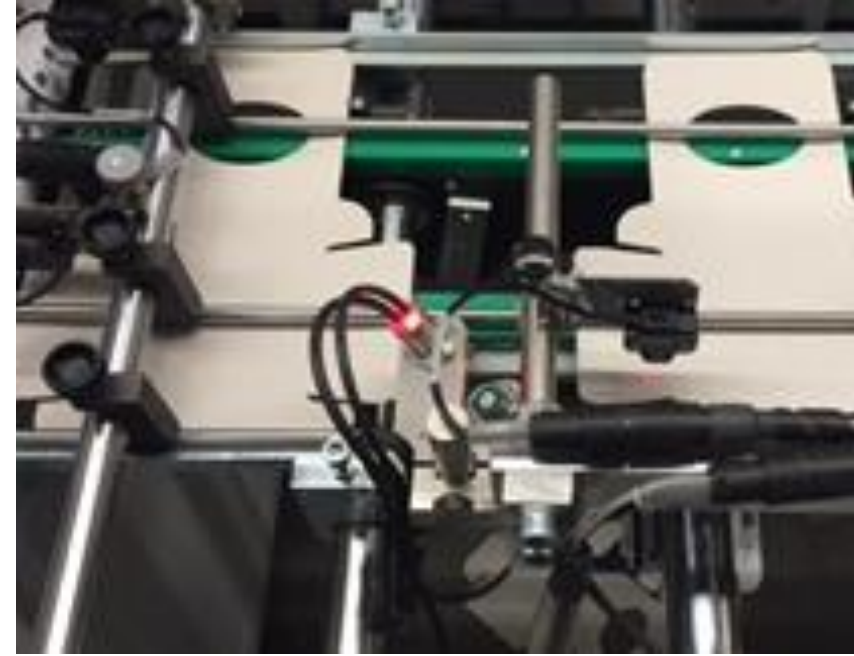
- Window Machine or Inline solution
- Flat pack that ships directly to the customer
- Placement and missing window after cello has been applied
- Barcode detection for mixed copy



# In-Use Application



Window Detection



Doubled Carton Detection



# Solution Components



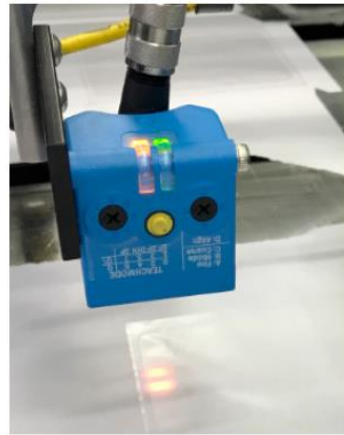
Gluing & QA Controller



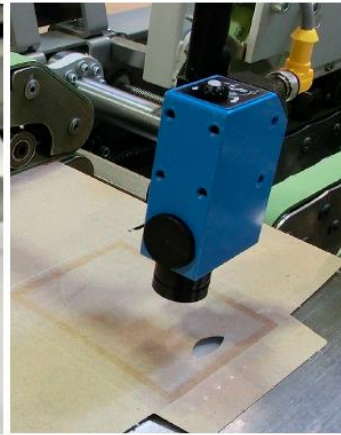
Cold Glue Application



Code Reading



PS20



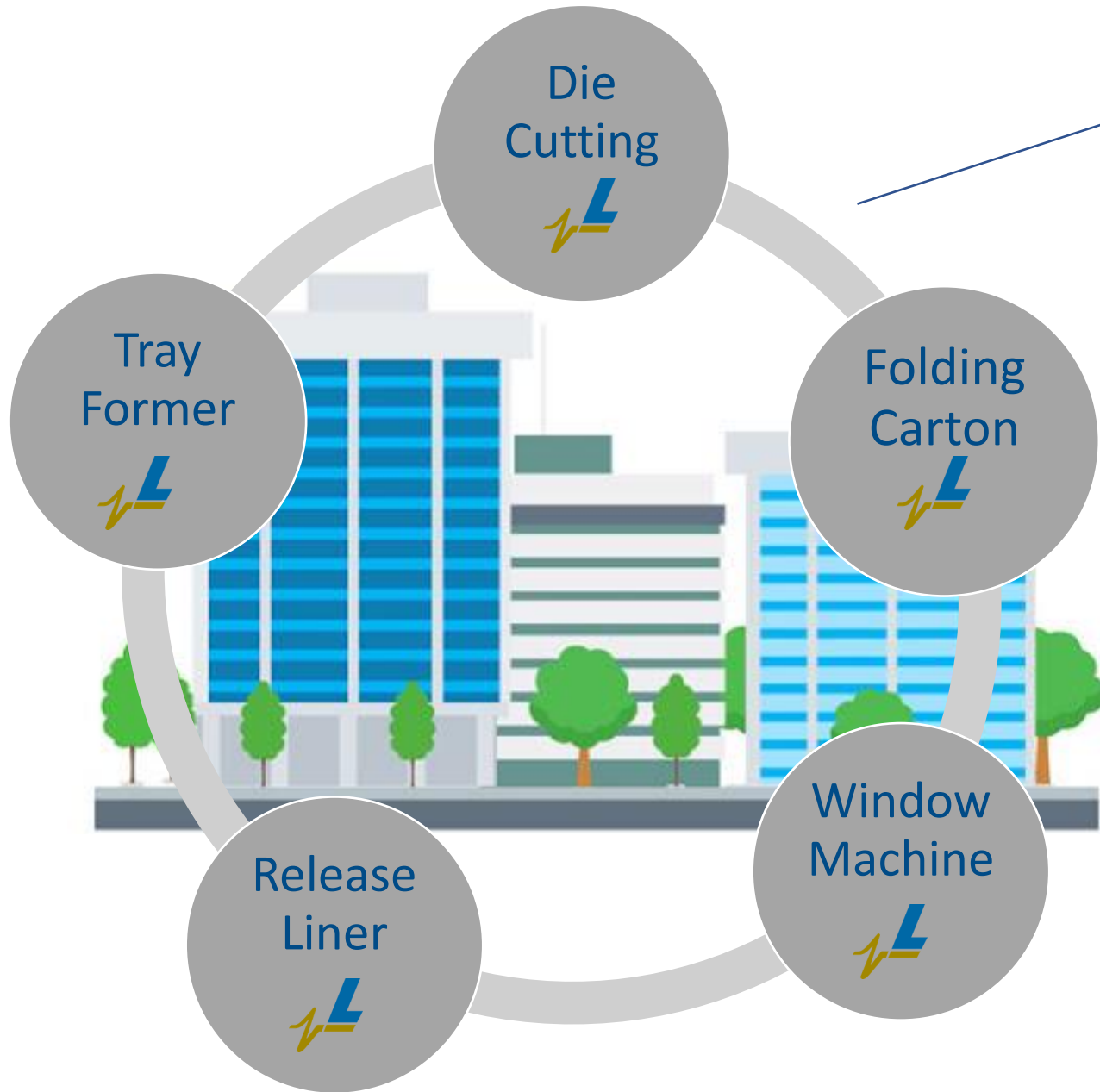
PS5

Cello / Window Detection



Doubled Carton  
Detection

# Expanding Leary Solutions



**Successful  
Applications by  
Leary**

**For all  
Folding Carton  
Related  
Processes**

**Contact Leary  
Jeff Bates**

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BETTER IDEAS DRIVEN BY QUALITY

THANK YOU!

TINGKI

MEHRBANI

DANKSCHEEN

YAOHANYELAY

