iQ CARTON SERIALIZATION

Adding a unique serial number to every carton on the folder gluer, **iQ Carton Serialization** allows manufacturers to produce a Certificate of Analysis for each individual carton produced.
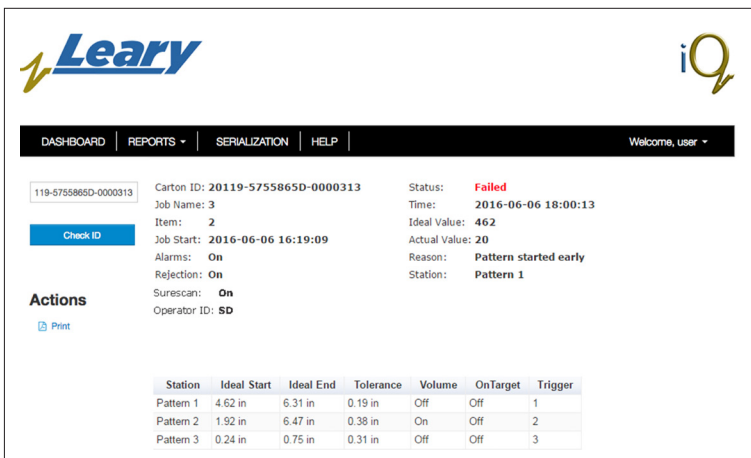
This revolutionary product from Leary, using Domino inkjet technology, provides a level of detail never available before. Complete process information about each carton, right down to the precise gluing and quality assurance tolerances is available, even months later.

Accessible with Leary's iQ cloud service, this report allows carton producers to understand the root cause of customer complaints and offer corrective action responses in minutes.

iQ Serialization reports provide answers about each individual carton:

- When was this carton produced?
- What machine was it produced on?
- What detection was activated?
- Was the alarm on?
- Was the carton before/after good or bad?
- What were the critical job settings?
- When was the last machine stop?

iQ SERIALIZATION CERTIFICATE OF ANALYSIS

Leary   iQ

| DASHBOARD | REPORTS ▾ | SERIALIZATION | HELP | Welcome, user ▾ |

119-5755865D-0000313

Check ID

Carton ID:	20119-5755865D-0000313	Status:	Failed
Job Name:	3	Time:	2016-06-06 18:00:13
Item:	2	Ideal Value:	462
Job Start:	2016-06-06 16:19:09	Actual Value:	20
Alarms:	On	Reason:	Pattern started early
Rejection:	On	Station:	Pattern 1
Surescan:	On		
Operator ID:	SD		
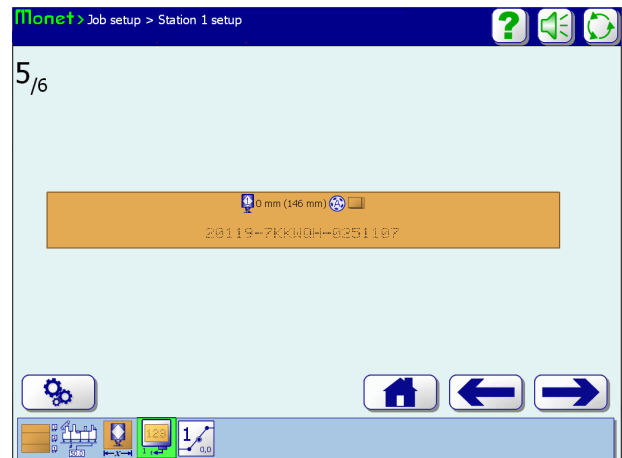
Actions
📄 Print

Station	Ideal Start	Ideal End	Tolerance	Volume	OnTarget	Trigger
Pattern 1	4.62 in	6.31 in	0.19 in	Off	Off	1
Pattern 2	1.92 in	6.47 in	0.38 in	On	Off	2
Pattern 3	0.24 in	0.75 in	0.31 in	Off	Off	3

'Not passed' carton

SERIALIZATION CODE ON MONET SCREEN

Monet ▸ Job setup > Station 1 setup

5/6

0 mm (146 mm)

20119-7KKWDH-0251107

OPERATOR ID FEATURE

- Used with SEQURE ID fingerprint LSI
- When enabled, iQ will track the operator logged in, recording this data in the Dashboard module of iQ
- Operator ID / Date and Time stamp print options
  - Add up to six characters (alpha or numeric) to the end of the inkjet code structure denoting the Operator ID
  - Choose Date and Time stamp to add ten characters (numeric) to the inkjet serialization code on the carton

ADDITIONAL SPECIFICATIONS

- Works with Domino A320i / A420i / A520i (CIJ) continuous inkjet printers
- Printable up to 100,000 cartons/hr
- Works with Array controllers
- (1) pattern and (1) valve output channel needed
- Monet version 2.9 required
- iQ Smart Services Dashboard and Serialization module required
- For use with one LSI screen only

MAXIMUM CODE STRUCTURE

- LLLLLLLLL-UUUUUU-####### DD/DD/DD TT:TT OOOOOO
  - L = Line number: *Up to 9 characters based on settings*
  - U = Leary generated unique numeric code: *Fixed at 6 characters*
  - # = Carton ID number for specific job: *Fixed at 7 characters*
  - D = Date: *Fixed at 6 characters based on controller settings*
  - T = Time: *Fixed at 4 characters based on controller settings*
  - O = Operator ID: *Up to 6 characters*

Machine Speed	Min length of printed text string [1]	Operator ID [2]	Date [3] and Time [4]	Max length of printed text string [5]	
150 m/min	24 mm	+ 11 mm	+ 23 mm	69 mm	with standard 1200ppr encoder
250 m/min	29 mm	+ 13 mm	+ 28 mm	83 mm	with standard 1200ppr encoder
350 m/min	48 mm	+ 21 mm	+ 45 mm	138 mm	with standard 1200ppr encoder
450 m/min	72 mm	+ 32 mm	+ 68 mm	207 mm	with standard 1200ppr encoder
450 m/min	58 mm	+ 26 mm	+ 55 mm	166 mm	with optional high-resolution 3000ppr encoder

NOTES

1. Minimum length assumes a single digit machine ID number and no printed operator ID, date or time values
2. Printing operator ID's adds this length to the string. If off, the ID can still be queried via a database lookup
3. Printing the date adds this length to the printed string. If off, the date can still be queried via a database lookup
4. Printing the time adds this length to the printed string. If off, the time can still be queried via a database lookup
5. The maximum length assumes operator ID, date and time values are printed along with a nine digit machine ID number
6. Ink usage is approx. 62.9 million characters per 825ml bottle. Please contact Domino for exact ink usage and cost calculations