

R I M A G E[®]

On-Demand Digital Solutions

USB Automation System



2019/7/20

USB Automation System

Project Plato

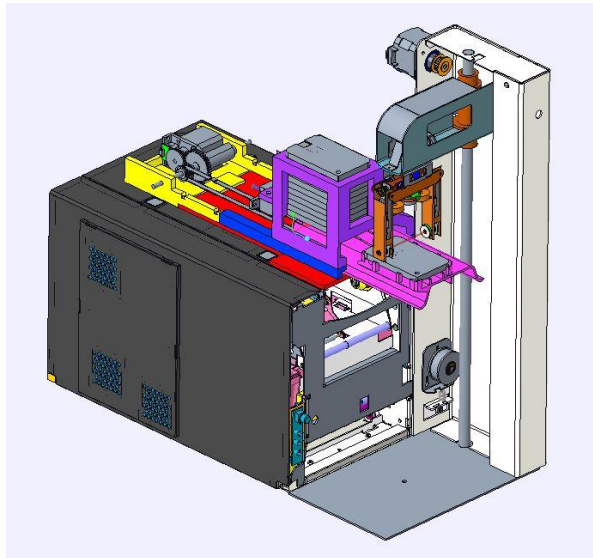
USB Automation
Version 1.0



- **Estimated MSRP: \$15,000**
 - Automated recording & printing
 - Dynamic assembly of NAND & Case
 - 4 NAND inputs for USB 2.0 or 3.0, 2gb-128gb
 - 4 case inputs for Pocket drive or Thumb drive sizes
 - Unattended operation & 100 card capacity
 - Targeted towards MOD, Medical, Service Bureaus and broad commercial markets
 - Launch date target is September 2019

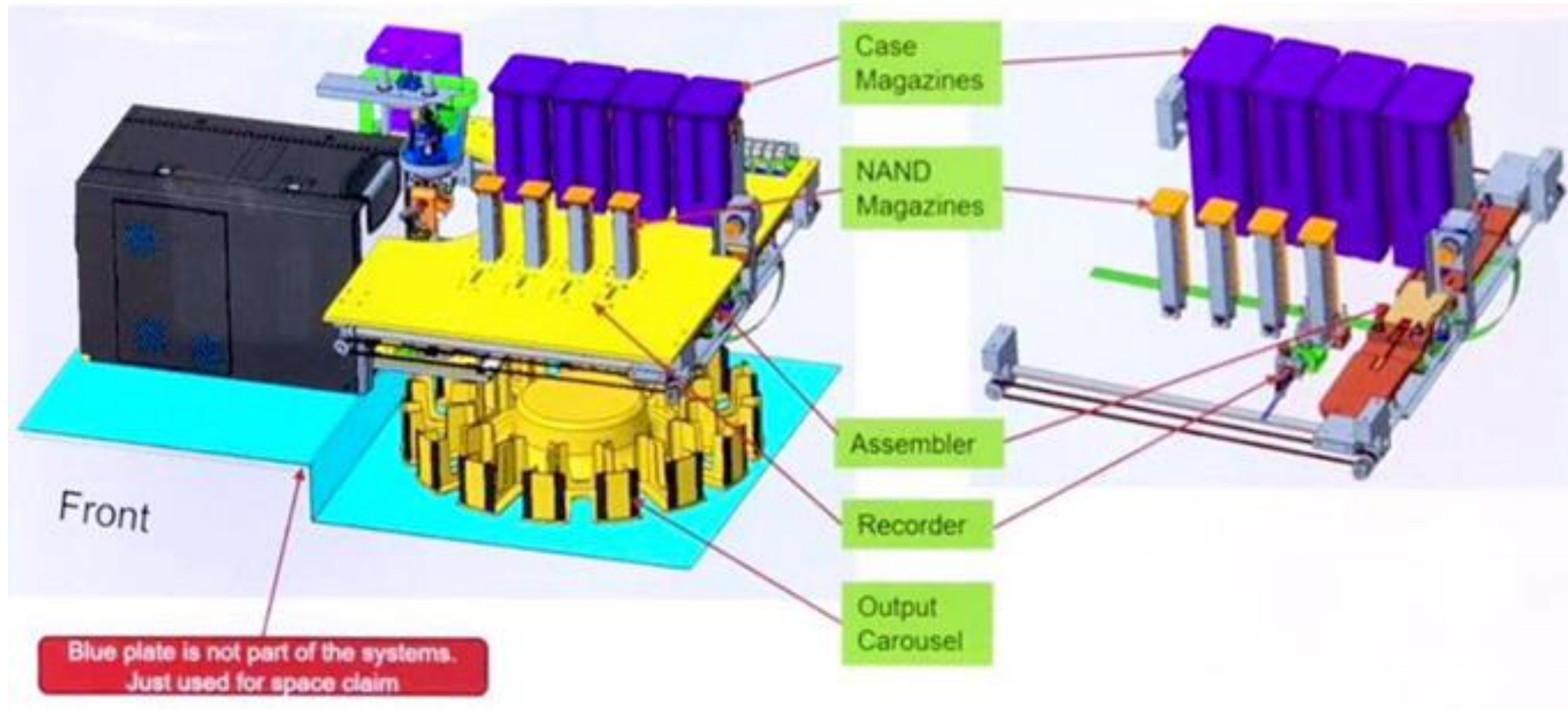
Project Aristotle

USB Automation
Version 1.5

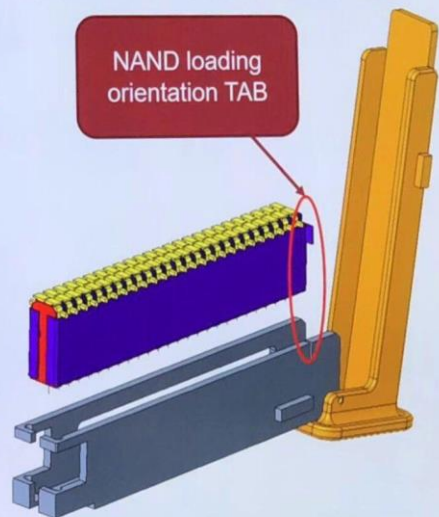


- **Estimated MSRP: \$8,000**
 - Automated recording & printing
 - Utilizes preassembled cards (NAND & Case)
 - One input bin with all cards being same size
 - Limited consumables combinations
 - Limited unattended operation
 - Targeted towards focused solutions like secure USB for government & lower-tier open market
 - Launch date target TBD – likely Jan 2020

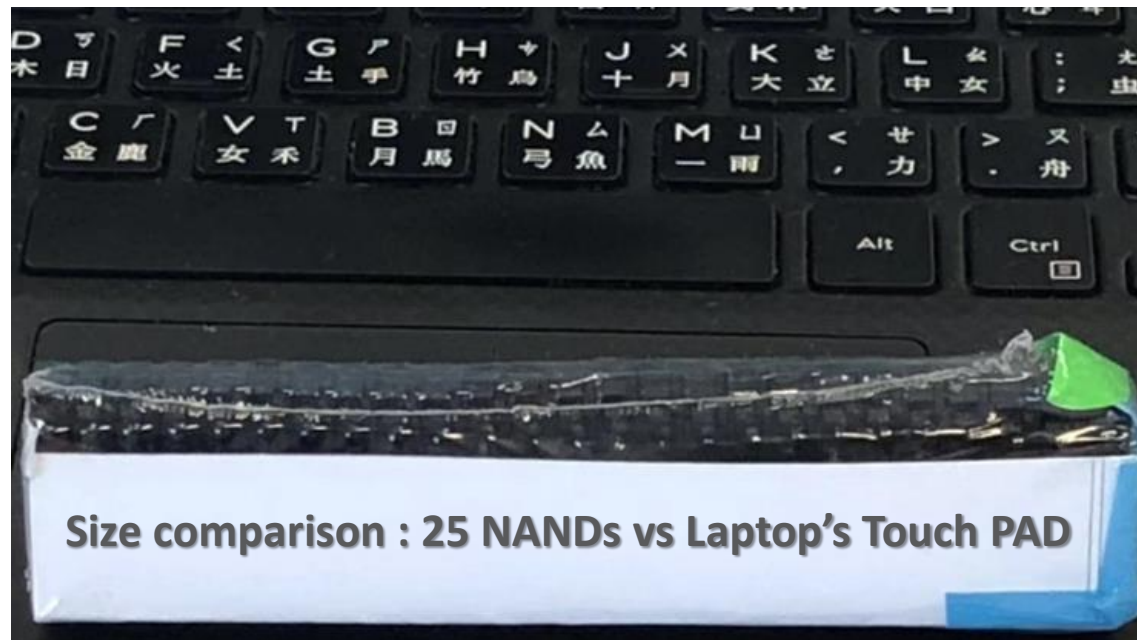
System Internals – Complete system



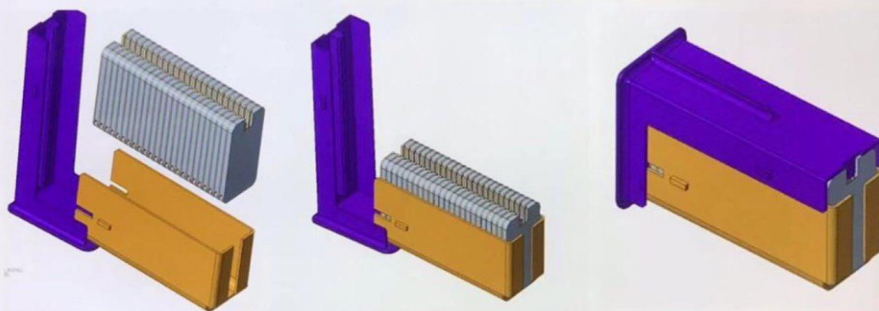
Loading NAND into Magazine



R I M A G E



Loading BIG cards into Magazine

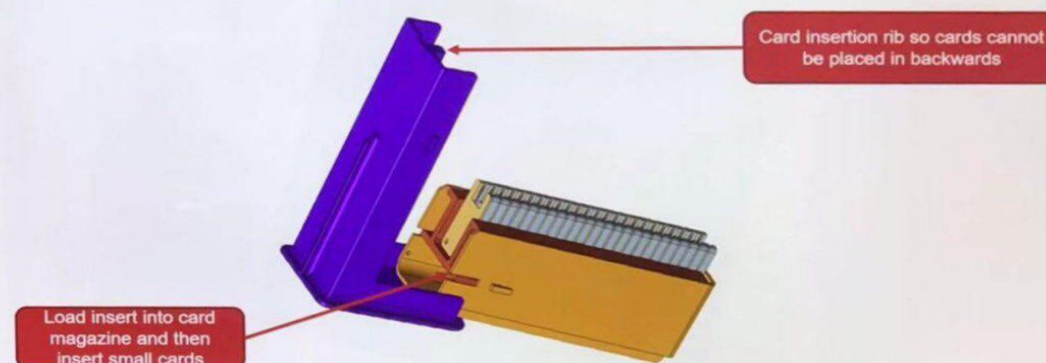


Rimage Confidential

11

R I M A G E

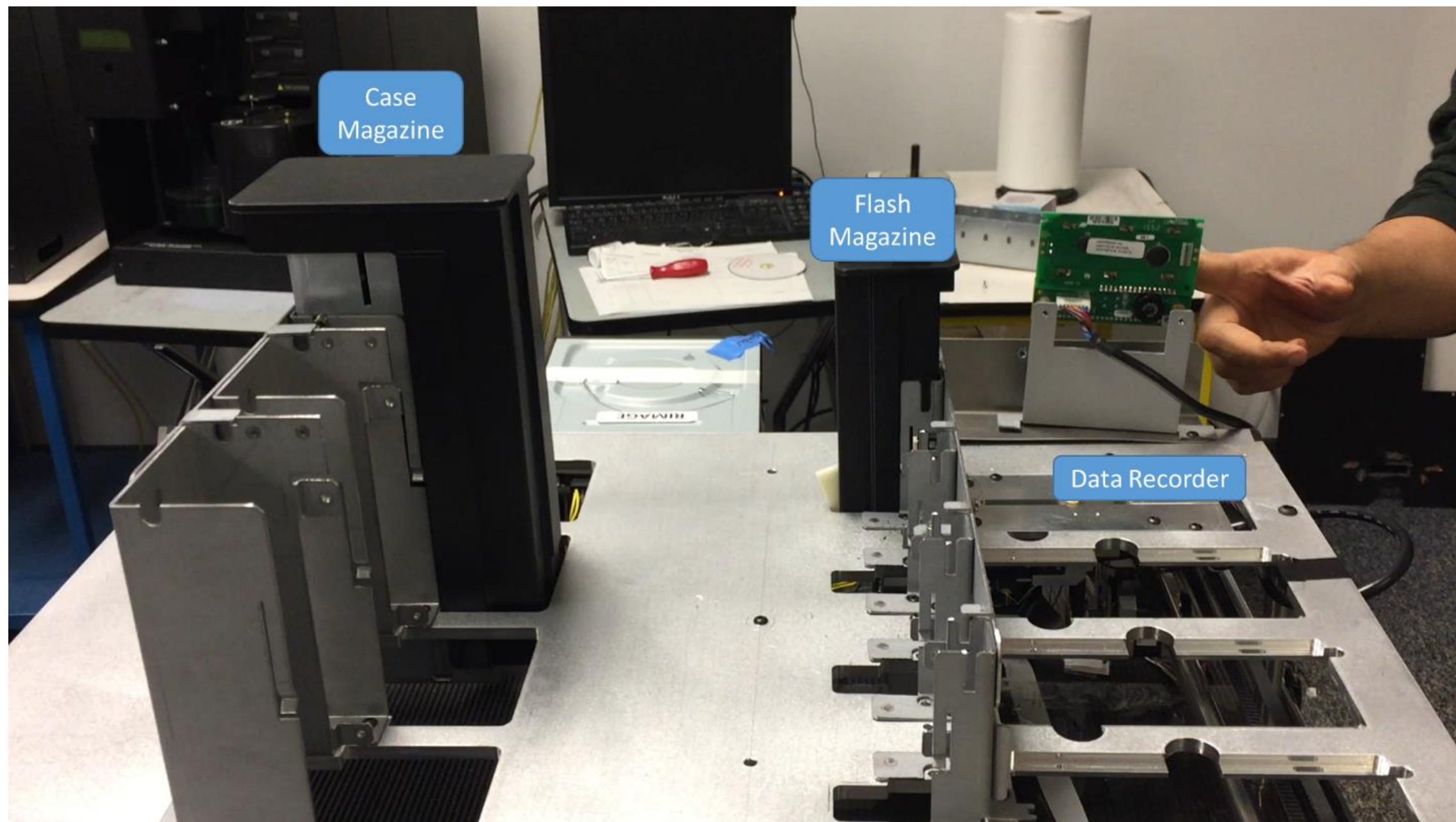
Magazine insert SMALL card



Rimage Confidential

12

R I M A G E



Flash Automation Update

- Hardware update
 - Case assembly
 - Encore print
- Software update
 - Quick Design – Label creator and editor
 - Auto Conductor – Client software

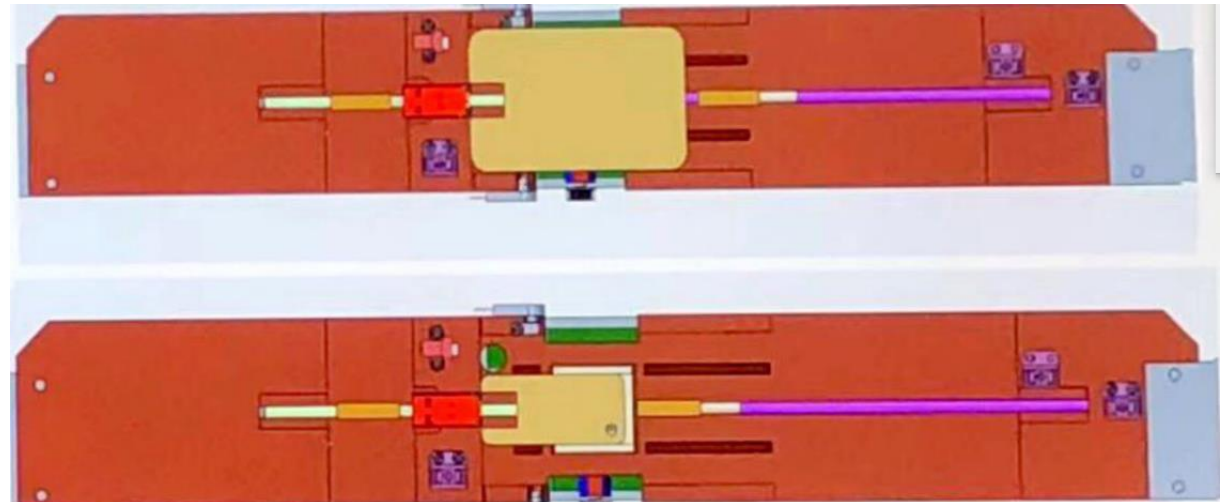
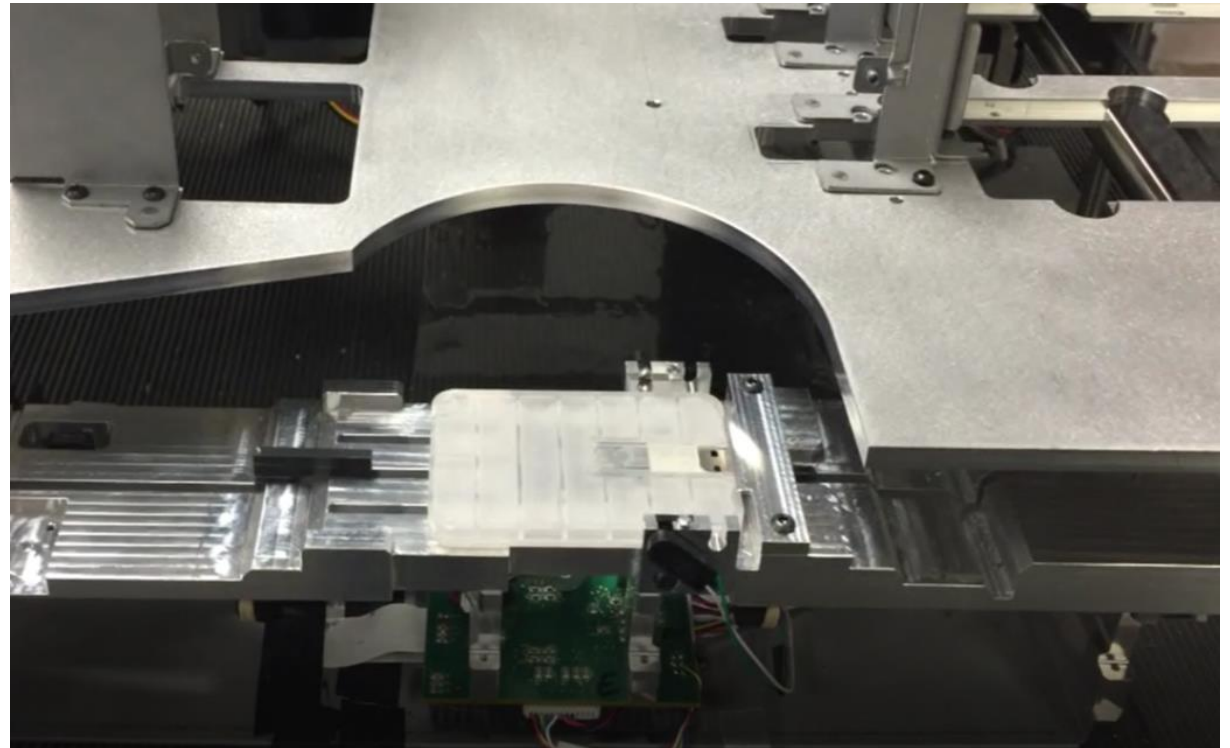


Assembler

Sequence of Operation

1. NAND starts recording
2. Case extracted on assembler
3. NAND added to assembler
4. Case and NAND in position
5. Assembled

For small case, guide rails extract from assembler to guide card



Print Once and Retransfer Twice

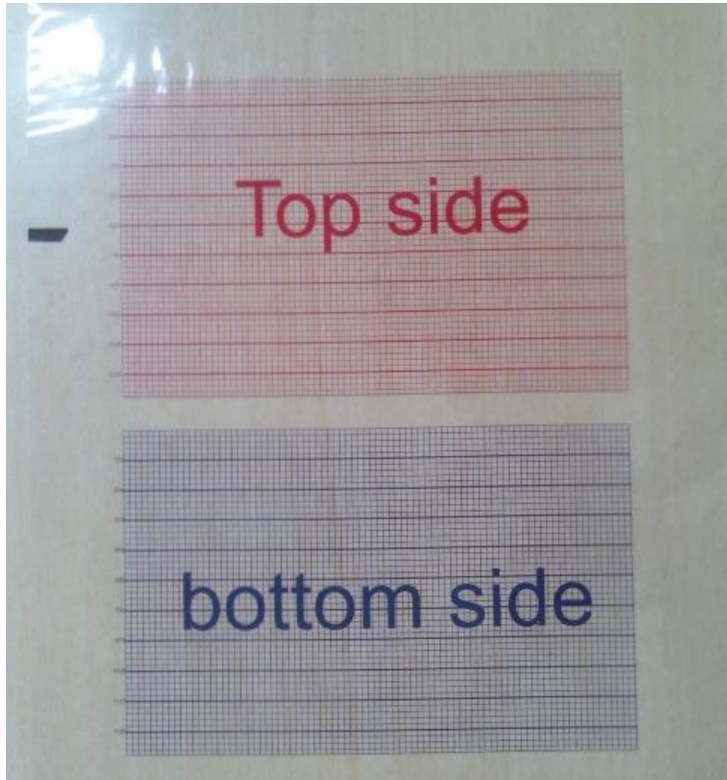


Image on retransfer sheet

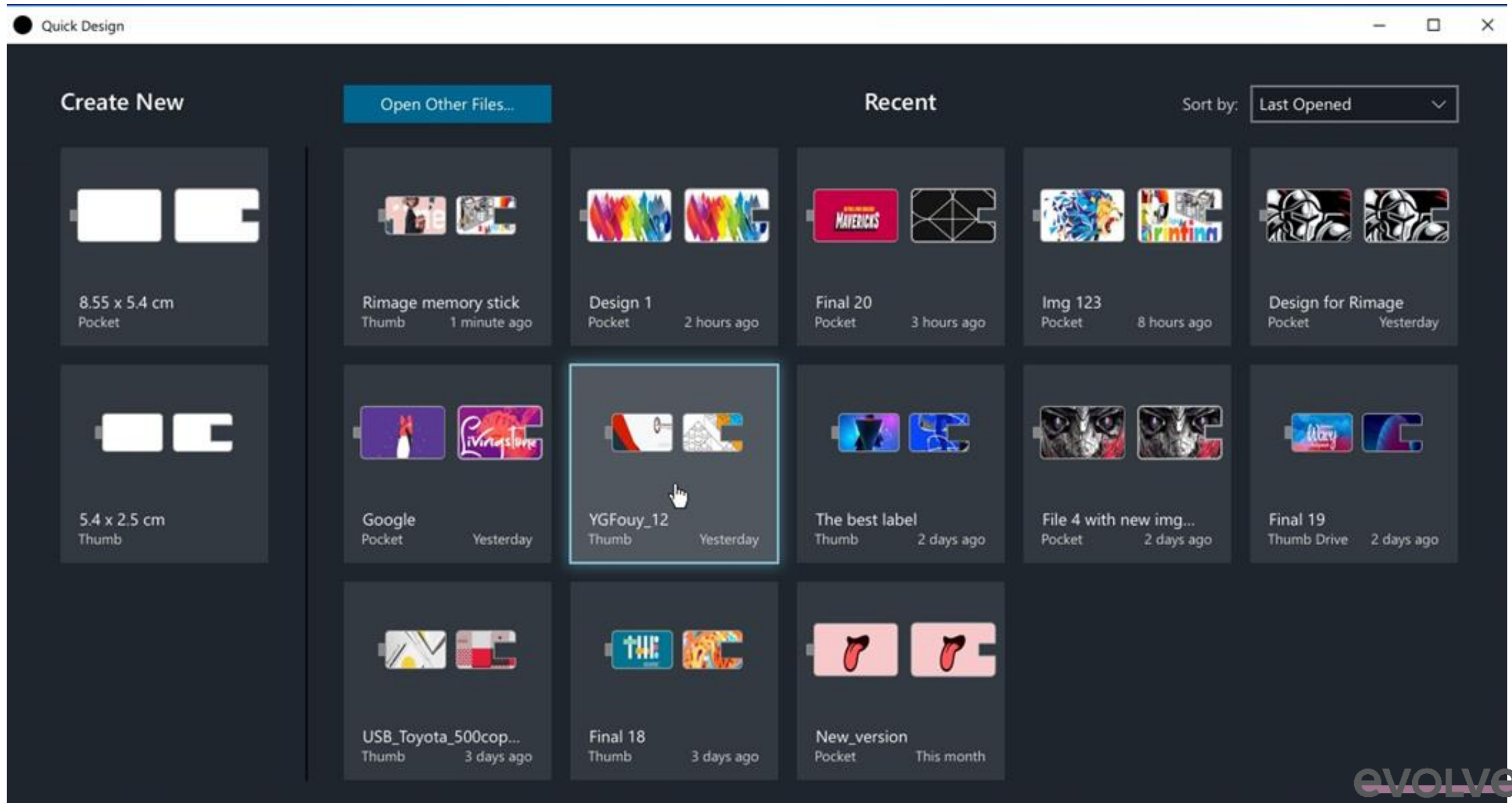


Image retransferred



Retransfer after print

Quick Design Start Screen



Auto Conductor Dashboard Screen

Rimage AutoConductor

File Edit Options View Help

Submit job: New From File... New Label

Connections

Cluster_AMG.Srv

Station1.Prod.Srv

Station2.Prod.Srv

Dashboard: Cluster_AMG.Srv

Hide Summary

Summary

50 of 500

Black

300 of 500

Color

Printer

75

75

92

Cases

25 25 25 25 25 25 25 25

16 | 2.0 16 | 2.0 16 | 2.0 16 | 2.0 16 | 2.0 32 | 2.0 64 | 2.0 64 | 3.0

Data Modules

40 28 88 52

Pocket Drive Thumb Drive

Outputs

Jobs queue

Total: 85. Completed: 25. In progress: 25. Pending: 35. Error: 0. Cancelled: 0

Since: Feb 1, 10:20 AM. Remove completed

50 of 300 Drives recorded Clear filters

Job ID	Created	Station	Case	Data Module	Quantity	Status	Progress
AAABBB_7	Feb 1, 4:30 PM	Station1.Prod.Srv	Pocket	32 2.0	50	<input checked="" type="checkbox"/> Completed	-
AAABBB_4	Feb 1, 3:02 PM	Station1.Prod.Srv	Pocket	64 3.0	21 of 25	<input checked="" type="checkbox"/> Pending	90%
AAABBB_5	Feb 1, 3:04 PM	-	Thumb	64 3.0	10	<input type="checkbox"/> In progress	-
AAABBB_6	Feb 1, 3:40 PM	-	Pocket	16 2.0	20	<input checked="" type="checkbox"/> Error	-
AAABBB_3	Feb 1, 2:41 PM	Station1.Prod.Srv	Thumb	16 3.0	25	<input checked="" type="checkbox"/> Rejected	100%
AAABBB_2	Feb 1, 2:34 PM	Station1.Prod.Srv	Thumb	32 2.0	5	Completed	100%

Notifications

Station1.Prod.Srv Feb 1, 2:41 PM

Autoloader Alert

The printhead element test failed on SERVER2. Press 'Yes' to ignore the error until the program is restarted, or press 'No' to fail the operation

Yes No

Station1.Prod.Srv Feb 1, 2:41 PM

Autoloader Error

Error putting case in printer. Put case in printer manually to retry. Autoloader Sense Code=27 (Error clamping disc in printer)

Disable Autoloader Reject Case Retry

evolve 10

Auto Conductor Station Screen

Rimage AutoConductor

File Edit Options View Help

Submit job: New From File... New Label

Connections

Cluster_AMG.Srv

Station1.Prod.Srv

Station1.Prod.Srv

Statistics Pause Configure

Data Module Input Bins

Configure

#Bin	A	B	C	D
Data Module (GB Type)	16 2.0	16 2.0	16 2.0	16 2.0
Recorders Status	Online	Online	Disabled	Online
Qty	24	24	25	4

Cases Input Bins

#Bin	1	2	3	4
Case	Pocket Drive	Pocket Drive	Pocket Drive	Thumb Drive
Qty	24	24	1	25

Hardware

Status: Online

Printer: Everest 600
Status: Online
Ribbon: Color

Retransfer sheets
300 of 500

Print panels
300 of 500

Output Bins

Configure

Pocket Drive	Total Qty	64	Total Available	24	Thumb Drive	Total Qty	18	Total Available	14			
#Bin	1	2	3	4	5	6	7	8	9	10	11	12
Case	Pocket Drive	Pocket Drive	Pocket Drive	Pocket Drive	Pocket Drive	Pocket Drive	Pocket Drive	Pocket Drive	Thumb Drive	Thumb Drive	Thumb Drive	Thumb Drive
Qty	9	9	9	9	9	3	-	-	7	9	2	-

Notifications

Station1.Prod.Srv Feb 1, 2:41 PM

Autoloader Alert

The printhead element test failed on SERVER2. Press 'Yes' to ignore the error until the program is restarted, or press 'No' to fail the operation

Yes

No

Station1.Prod.Srv Feb 1, 2:41 PM

Autoloader Error

Error putting case in printer. Put case in printer manually to retry. Autoloader Sense Code=27 (Error clamping disc in printer)

Disable Autoloader

Reject Case

Retry

evolve

11