Duplo   DC-ST100 In-Line Stacker

For the DC-648, DC-746, or DC-746 B2 Slitter/Cutter/Creaser

DC-648 with DC-ST100

- **Continuous stacking with no pauses for unloading**
- **Up to 6x higher capacity stacking option**
- **Programmable batch separation and job management**
- **Intelligent Variable Stacking with 2D barcode**

Stack More. Stop Less.

The DC-ST100 In-line Stacker sets a new benchmark for continuous, high-capacity stacking in digital finishing. Designed to integrate seamlessly with the Duplo DC-648, DC-746, and DC-746 B2 Slitter/Cutter/Creaser, it enables print shop operators to handle large volumes with less intervention – delivering greater productivity and efficiency.

UNLOAD ON THE RUN
The DC-ST100 is designed to collect and organize high volumes of finished flat pieces such as business cards, postcards, and tickets. Unlike standard delivery systems that require frequent stops for unloading, the DC-ST-100 allows operators to "unload on the run." Retrieve completed stacks while the system continues operating, reducing downtime and maximizing throughput.

INCREASED STACKING CAPACITY
A standard Slitter/Cutter/Creaser delivers output to a card/drop stacker or the delivery tray. The card/drop stacker typically reaches capacity at 600-700 business cards. The DC-ST100 delivers up to six times the stacking capacity, allowing operators to accumulate thousands of pieces before unloading, making it perfect for high production environments.

AUTOMATIC JOB SEPARATION
The DC-ST100 features fully programmable batch separation. Changeovers can be triggered through the PC Controller or via a 2D barcode scanner (optional), allowing the system to automatically adjust for new layouts or job sizes.

By reading the 2D barcode printed on each sheet, which contains the stacker settings, the DC-ST100 performs variable stacking based on the application and embedded data. It enables operators to remove specific cards from the stacker before the system resumes operation.

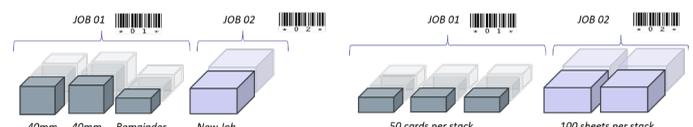It automatically separates when the maximum of 40 mm height is reached. Jobs can be separated based on:

- Sheet count   • Stack height   • Job name   • Barcode

FLEXIBLE LAYOUT SUPPORT
This flexibility allows the system to run automatically without operator intervention or additional tools. It handles 1 to 5-up sheet layouts, tool-less operation for 1 to 3-up jobs, and quick guide adjustments for 4 to 5-up work.

The DC-ST100 In-Line Stacker transforms your finishing into a true high-volume production system with continuous stacking, automated separation, and the capacity to run your system longer without stopping.

Examples with barcode:

TYPICAL PIECES UNTIL FULL	230 GSM	300 GSM	400 GSM
Business Cards x 3 Across	8400	5460	3820
Alternative Drop Stacker	1280	870	610
Business Cards x 5 Across	9500	6450	4540
Alternative Drop Stacker	2140	1450	1020
4"x6" Postcards x 2 Across	3600	2340	1630
Alternative Drop Stacker	850	580	400
5"x8" Postcards x 2 Across	1600	1040	720
Alternative Drop Stacker	1420	960	680
8.5"x11" Leaflet x 1 Across	800	520	360
Alternative Drop Stacker	710	480	340

6x more (Business Cards x 3 Across)
4x more (Business Cards x 5 Across / 4"x6" Postcards)
same (8.5"x11" Leaflet)

Quantities are estimated as there are many variables concerning media finish.

SPECIFICATIONS

Compatible Models	DC-648, DC-746, DC-746 B2
Stackable Card Size	Minimum (WxL) 1.88" x 3.14" (48 x 80 mm) 3.14" x 1.96" (80 x 50 mm) Maximum (WxL) 14.56" x 8.5" (370 x 216 mm)
Oversized Card Stacking	Insert Tray or Delivery Tray *Manual changeover*
Paper Weight	230 - 400 gsm * Laminated/UV Coated: Within the above range including lamination and coating thickness
Number of Stacks Across	1 to 5 (gutter slits required) * Optional side guides required for maximum 5 rows across
Changeover	1 to 3 automatic 4 or 5 semi-automatic
Job Changeover Time	Typically 10 seconds
Maximum Stack Height	40 mm
Stack Separation Distance	15 - 35 mm *Adjustable in 5 steps
Separation Time between Stacks	Typically 10 seconds
Stack Separation Function	Job number change; Unique job name/ID; Preset count by sheets; Preset count by cards; Maximum stack height
Power Supply	100-240V 50/60 Hz In operation 0.5A, 80W Standby 0.16A, 18W
Noise Level	< 66 dB
Dimensions (WxDxH)	Stand-alone: 51" x 27" x 47" (1295 x 680 x 1175 mm) When connected with DC-746: 130" x 41" x 47" (3310 x 1020 x 1175 mm) When connected with DC-648: 126" x 35" x 47" (3190 x 885 x 1175 mm)
Weight	320 lb (101 kg)

Duplo

The leading provider of innovative precision finishing, print embellishment, and specialty finishing solutions. Contact us today to request samples or to get in touch with a finishing specialist.

Duplo USA Corporation

3050 S. Daimler St.
Santa Ana, California 92705
Toll Free: 1-800-255-1933
Telephone: 1-949-752-8222
Email: sales@duplousa.com

Find Us Online

🌐 duplousa.com

in linkedin.com/company/duplo-usa-corporation

▶ youtube.com/duplousa