Canon

Duplo

DFL-700 FOIL/LAMINATOR

Two-in-One Enhancement Solution for Short Runs

DFL-700 FOIL/LAMINATOR

The DFL-700 Foil/Laminator helps to add value to digitally printed output on a budget. Ideal for short runs and variable data jobs, the DFL-700 can be used to apply toner or polymer-based foil as well as single-sided lamination for an enhanced finish. It brings the capability to foil on both coated and uncoated paper, process longer sheet sizes, and comes equipped with features designed to help reduce production time.

Foil invitations and greeting cards without the use of stamping dies. Produce raised foil effects on spot-coated business cards and packaging without the cost. With a speed of up to 40 sheets per minute, the DFL-700 provides a cost-effective solution for digital foiling and lamination on demand.

TONER FOILING

With the use of toner-reactive foil, digital toner foiling offers an easy way to add a shiny and metallic finish to print jobs in-house. Through its heated roller, the DFL- 700 works by fusing the foil with the printed toner. No metal dies are required and no time is added to your turnaround.

To get started, print the artwork you want foiled on a digital press in 100 percent black toner. Set up the device with the desired foil roll, let it heat up to a minimum of 135°F, and place the printed sheets on the feed tray for automated feeding. Once the foil has been applied, print any remaining artwork to add CMYK alongside the foil or prepare for immediate finishing.

The DFL-700 works with metallic, holographic, and glitter foils. Duplo USA offers a selection of colors to help meet your needs.

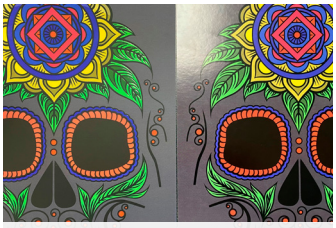
Air Suction Feed System

DFL-700 Foil / Laminator

APPLICATIONS

Invitations (Toner Foil)

Short Run Packaging (Polymer Foil)



Book Covers (Laminated vs. Non-laminated)

USER-FRIENDLY OPERATION

The DFL-700 offers easy set up and operation for in-house productions. Its air suction feed system provides a higher feed capacity up to four inches. New adjustments control the air for separation and feeding of different paper weights. It also features an extended feed tray to accommodate longer sheet sizes up to 26 inches for oversized applications such as three-panel brochures, dust jackets, and direct mail.

For foiling jobs, a new preheat roller helps maintain the temperature of the heated roller, providing a fast warm up and reduced downtime between usage. In addition, new pressure adjustments allow you to apply toner foil on coated and uncoated stock with equal ease. It also promotes strong adhesion when polymer foiling.

POLYMER FOILING

Polymer foiling provides the opportunity to create tactile, raised foiled effects. The three-step process involves lamination, spot coating on a separate machine, and foiling. The DFL-700 utilizes a specially-formulated foil that adheres to the polymer that has been cured on the sheet. The thicker the spot UV, the thicker the foil will feel.

Begin by printing all the artwork and set up the DFL-700 to laminate the printed sheets. Process the laminated sheets on a digital enhancement device, such as the Duplo DDC-810 Raised Spot UV Coater, to highlight areas with spot UV. Then set the DFL-700 for foiling and feed the spot-coated sheets for added shine.

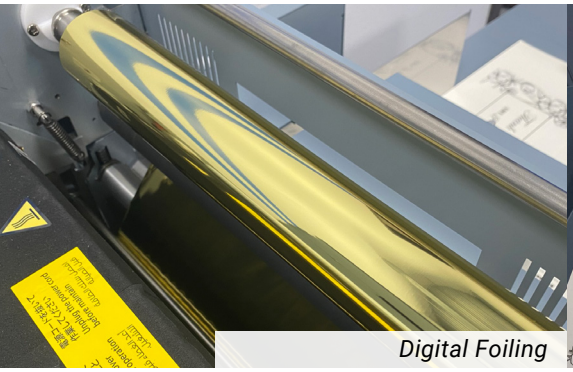
Adding foil over raised spot UV on short-run packaging, business cards, and book covers make them irresistible to touch. Duplo USA offers polymer-based foil in gold and silver colors.

THERMAL LAMINATION

Laminating applications helps to enhance the look and feel as well as protect the material. The DFL-700 can be used to mount heat-activated lamination film over printed sheets. Add it alone or add it as a layer under spot UV and/or polymer foiling.

The DFL-700 accommodates larger lamination rolls up to 6,000 feet. Laminated sheets are quickly separated by the new bursting separation system, providing a clean cut for finishing devices and excellent productivity.

The DFL-700 works well with soft touch, matte, and gloss lamination. Duplo USA offers matte and gloss lamination rolls.

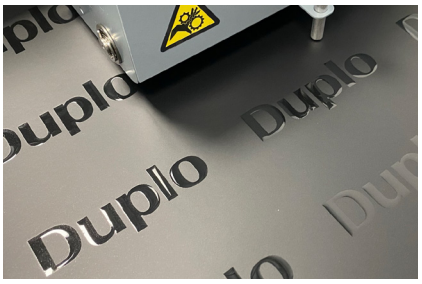


Digital Foiling

Foiling Over Uncoated Paper

Thermal Lamination

POLYMER-BASED FOILING PROCESS



Laminate the printed sheets on the DFL-700, then process them on a separate digital spot UV device.

Process spot-coated sheets on the DFL-700. The foil adheres to the varnish, creating a raised foil effect.

Scan to watch the video

- Applies digital foil on output printed on coated and uncoated paper
- Creates raised foil effects with polymer-based foil
- Helps to protect applications with soft touch, matte, or gloss lamination
- Processes longer paper sizes up to 26” and weights up to 400 gsm

SPECIFICATIONS

DFL-700 Foil/Laminator	
Paper Size	Minimum 8.26” x 8.26” Maximum 15.16” x 25.98”
Paper Type	Coated, Non-coated, Embossed Paper
Functionality	Digital Foil, Spot UV Foil, Lamination, Spot Gloss
Maximum Paper Thickness	150-400 gsm
Paper Loading Capacity	Up to 4.72” (120 mm)
Paper Feeding System	Air Suction Belt (Air Adjustment on Control Touch Panel)
Paper Cooling System	Yes, Built-in Cooling Fans
Speed	Foil up to 40 ppm (8.5” x 11”) Laminating up to 20 ppm
Warm Up Time	7 Minutes
Heat Range	164-320°F
Heat Roller	2
Heat Roller Pressure	40-350 kg
Pressure Adjustment	Adjustable via Control Touch Panel
Decurler Method	Bar Squeeze Method adjustable on Control Touch Panel
Power Supply	Single Phase, 220V 12.5A, 50/60Hz
Dimensions (W x D x H)	57” x 27” x 51”
Net Weight	397 lbs.

Production rates are based on optimal operating conditions and may vary depending on stock and environmental conditions.
As part of our continuous product improvement program, specifications are subject to change without notice.

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