

Ultra 300Ai/300A UV Coater

SPECIFICATIONS

	Ultra 300Ai (With Bridge Unit)	Ultra 300A (With SF-300 Feeder)
MAX. SPEED	45 meters/min (148 feet)	45 meters/min (148 feet)
MAX. PAPER SIZE	20" x 28" (508 mm x 712 mm)*	20" x 28" (508 mm x 712 mm)*
MIN. PAPER SIZE	8.5" x 11" (215 mm x 280 mm)	8.5" x 11" (215 mm x 280 mm)
PAPER WEIGHT	200 - 350 gsm	200 - 350 gsm
POWER REQUIREMENT	208 - 220V, 50/60HZ, 50A, 3 Phase 400VAC, 50/60HZ 25A (Unit Operating Power)	220V Single Phase 55 Amps 400VAC, 50/60HZ, 25A (Unit Operating Power)
SAFETY CERTIFICATION	UL and CE certified	UL and CE certified
FLOOR LAYOUT (LxWxH)	135" x 42" x 49" (3429 mm x 1067 mm x 1245 mm) With Receiving Tray Extended: 164" x 42" x 49" (4166 mm x 1067 mm x 1245 mm)	70" x 42" x 49" (1778 mm x 1067 mm x 1245 mm) With Receiving Tray Extended: 99" x 42" x 49" (2515 mm x 1067 mm x 1245 mm)
WEIGHT	1246 lbs. (565 kg)	1125 lbs. (510 kg)

* Optional extended feed tray for maximum paper length of 28"

SF-300 SUCTION FEEDER SPECIFICATIONS (included with Ultra 300A)

SPEED	Letter size paper: 80 sheets/min; 12" x 18" paper: 63 sheets/min; 20" x 26" paper: 46 sheets/min
STACKER CAPACITY	7.5" or 70.5 lbs.
FEED PROCESS	Top feeding air suction belt
COUNTERS	Total, batch
PAPER SIZE	Max. 20" x 20" (Max. paper length of 28" with optional extended tray - feeder capacity will be limited to 3") Min. 8.5" x 11"
DETECTION FUNCTIONS	Double sheet detector
WEIGHT	225 lbs.
POWER	115/230V 50/60Hz 1.9A
DIMENSIONS	21" x 31" x 46"
OPTIONS	Extended feed tray
FEATURES	Air kit, more consistent feeding, capability to feed the most difficult stocks

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

SPECIFICATIONS	OPTIONAL SF-300F PILE FEEDER	OPTIONAL ST-300 PILE STACKER
Speed		Up to 148 feet per minute
Paper Size		Max. 21" x 30" (530 mm x 750 mm) Min. 8.5" x 11" (216 mm x 279.4 mm)
Paper Weight		120 - 500 gsm
Capacity		30.7" (780 mm)
Weight		617 lb. (280 kgs)
Dimension		54.1" x 38.2" x 51.6" (1,375 mm x 971 mm x 1,310 mm)
Power	220V 50/60Hz 2.5A	220V 50/60Hz 1.9A

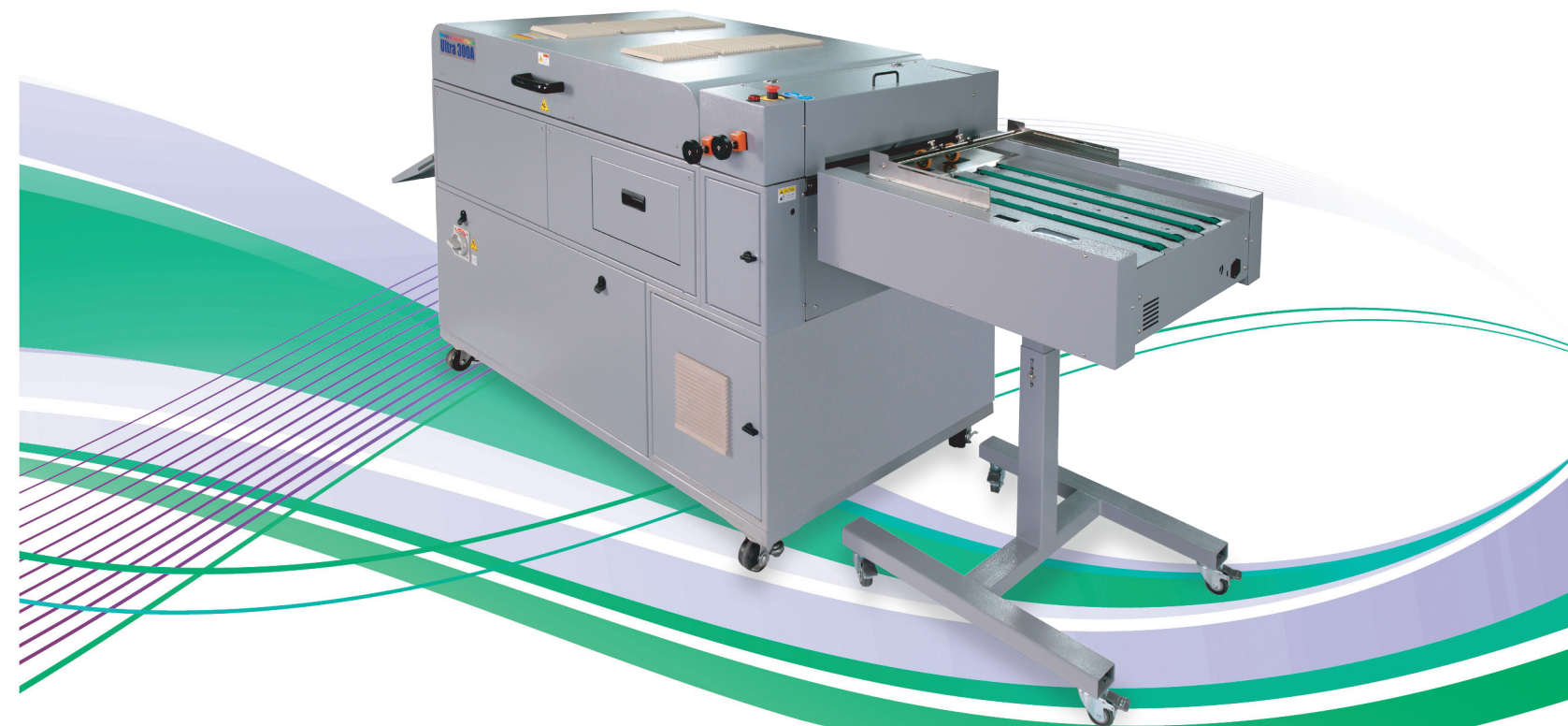
Duplo USA Corporation

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Ultra 300Ai/300A

UV COATER

An In-line and Near-line UV Coating Solution for Digital Printers



An In-Line & Near-Line UV Coating Solution for Digital Printers!

Adding to the growing line of Ultra UV Coaters, the Ultra 300Ai provides a solution that enhances the value and vibrancy of printed pieces at higher speeds and comes standard with a bridge unit – enabling it to receive output directly from a digital press!

Heavy duty yet simple to use, the Ultra 300Ai applies a high quality gloss, satin, or matte finish to a wide range of offset and digitally-printed applications, adding richness to its colors while protecting them from scratches and scuffs. Similar to other Ultra models, the Ultra 300Ai features innovative technology for coating both sides of the sheet with a smear-free finish. Print providers can offer double the value by coating both sides of applications, such as direct mailers, brochures, business cards, book covers, and more.

With the bridge unit, printed sheets are delivered directly into the UV Coater, increasing overall productivity. The adjustable bridge unit accommodates the heights of most digital presses. With a coating speed of up to 148 feet (45 meters) per minute, the Ultra 300Ai can accommodate the output speed from most digital presses and process a variety of paper sizes, from 8.5" x 11" up to 20" x 28", up to 350 gsm.

For near-line feeding, the Ultra 300A model is also available with the high capacity SF-300 Suction Feeder. High in automation and loaded with features, the Ultra 300Ai and Ultra 300A provide the ideal UV coating solution for any digital print environment!

Full In-Line Integration with HP Indigo 7x00 Digital Presses

The Ultra 300Ai is fully compatible and connectable in-line with HP Indigo 7x00 Digital Presses, providing a seamless and automated printing and UV coating solution. The electronic interface provides bi-directional communication that alerts both the press and the UV coater to stop in the event there is a paper jam on either end.

Intelligent Control System

With its state-of-the-art intelligent control system, minimal operator experience is required as the Ultra 300Ai/300A can be programmed quickly and easily. With the touch of a button, the entire machine is turned on in a programmed sequence. Coating speed, pump speed, cleaning and IR functions are all set from the intelligent control panel. The coating volume and roller gap can be adjusted in 0.1 mm increments using the two index dials. Additional features include:

- **Auto Gap** prevents excess coating from smearing to the backside of the print. The applicator and impression rollers engage only at the start and end of the sheet, ensuring a smear-free and clean finish on both sides. The rollers automatically disengage when there are no sheets or when not in use, preventing indentations or flat spots on the roller or print. This will also leave the roller clean and coating-free.



Ultra 300A with SF-300 Suction Feeder



Ultra 300A with optional SF-300F Pile Feeder and ST-300 Pile Stacker

- **Auto Separation** prevents damage to the roller if the machine is not running. After doing a one-time adjustment, the coater will automatically adjust to different paper thicknesses.
- **Auto Cleaning** makes cleaning simple with the touch of a button. The machine cleans itself automatically as the auto scraper blade scrapes excess coating from the roller for cleaning. The coater will circulate alcohol around the roller then dispose the waste into a separate bucket. The operator does not need to touch the rollers throughout this process, making cleaning hands-free.
- **Coating Heating System** lowers the viscosity of the UV varnish guaranteeing it is applied smoothly and more consistent throughout the sheet. Matte coating will blend better giving it a more consistent finish throughout the paper. For gloss coating, it will produce a smooth high gloss finish.
- **Variable Speed** offers 5 speeds to ensure the coating is applied evenly and more consistently across the sheet. Accepts output from a variety of print engines offering more versatility.
- **UV Coating Low Detection Sensors** send an alert when the coating solution in the 5 gallon/20 liter internal tank is running low. The tank can be replenished ensuring continuous production for high volume jobs.

Superior Finish

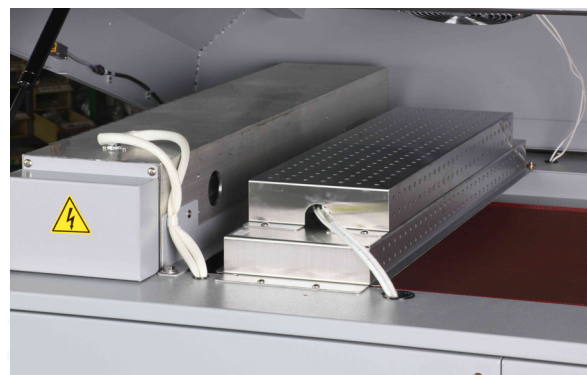
The Ultra 300Ai/300A delivers vibrant, UV coated applications in an instant. Coating is evenly distributed before passing under the UV lamp – providing a superior glossy finish. The self-centered and self-tensioning conveyor ensures all sheets are delivered consistently flat and straight throughout the process. With the added power of the UV lamp, the gloss coating will cure faster, leaving a consistent finish with a superior gloss meter reading.

Other features include:

- **Infrared Heating System** helps cure difficult stock with a glossy and smooth finish, and delivers a consistent high gloss meter reading (based upon certain laboratory conditions).

Operator Safety

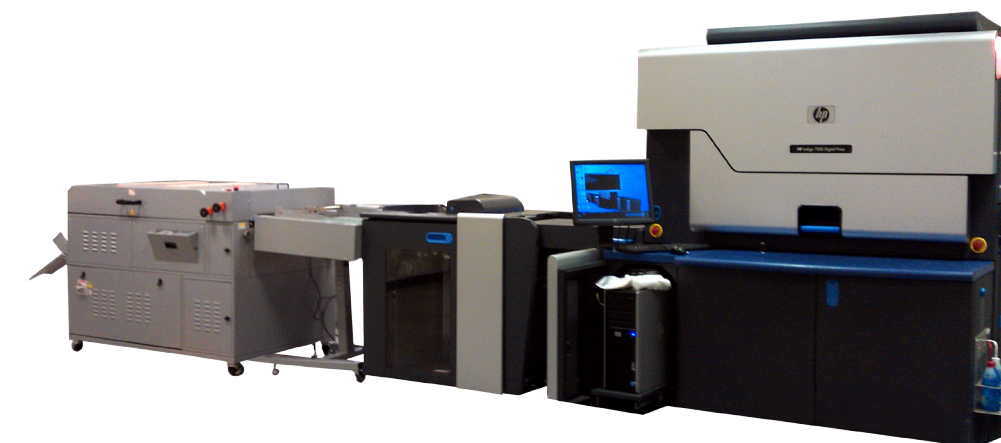
The Ultra 300Ai/300A is both CE and UL certified and provides the utmost safety for operators at all times. Safety sensors fitted near the delivery tray shut the machine down when a paper jam occurs. As the sheets are cured by the UV lamp and delivered into the exit tray, the UV lamp's ventilation draws out heat from the main chamber, providing a safe operating temperature.



The Infrared Heating System helps cure difficult stocks and consistently delivers above 90 gloss meter readings.



The Auto Gap prevents excess coating from smearing. The roller gap dials can be adjusted in 0.1mm increments.



Ultra 300Ai with HP Indigo 7x00 Digital Press