

	PRINTFLOOD 300A UV & AQ	PRINTFLOOD 1000A UV & AQ
SPECIFICATIONS	ULTRA 300A UV & AQ COATER	ULTRA 1000A UV & AQ COATER
Type of Machine	Full-Surface, Flood UV (Ultra-Violet), Aqueous (Water-Base), Soft-Touch Coating System & Priming	
Paper Format MIN	215 mm (W) x 280 mm (L)	
Paper Format MAX	530 mm (W) x 750 mm (L) - B2+ SEF (Short Edge Feeding)	750 mm (W) x 530 mm (L) - B2+ LEF (Long Edge Feeding)
Processing Speed	Up to 45 meters/minute	
Paper Weight	from 150 to 600 gsm	
UV Curing System	UV Lamp, 6.5kW, 1300+ hours	UV Lamp, 9.6kW, 1300 + hours
Infra-Red Heaters	Equipped with 3 x Infra-Red as Standard	
Fine Adjustment	Application & Metering Roller, Scraper Blades	
LED Display & Control Panel	Preset Coating Settings, Easy Operation with Function Adjustment from Panel : Coater Speed, UV/AQ Pump Speed, IR Temperature, Auto-Gap ON/OFF, Self-Cleaning, Error codes, Paper Clearing etc...	
Automatic Gap Adjustment	Avoid Smearing & Ensure Superior Finishing- Standard & Unique in the Market	
Varnish Pre-Heating System	Pre-Heating Bucket as Standard to Improve Varnish Viscosity	
Output Tray	Adjustable Exit Tray, 650 (W) x 740 (D) mm	Not Available
Power Requirement & Weight	400VAC, 50 Hz, 27 A, 380V 3 Phase Supply - 450 kg	400VAC, 50 Hz, 40 A, 380V 3 Phase Supply - 720 kg
SPECIFICATIONS	ULTRA SF-300F HIGH CAPACITY FEEDER	ULTRA SF-1000F HIGH CAPACITY FEEDER
High Pile Stacking System	High Capacity Feeder - 750 mm Paper Capacity	
	Top feeding air suction chamber with transport belts with double feed detection - Front & side air blowers for sheet separation	
Support Plate for Pallets	Standard Support Plate for use with Pallets + Optional Trolleys or Dollies compatible with HP Indigo Presses	

SPECIFICATIONS	ULTRA ST-300 HIGH CAPACITY STACKER	ULTRA ST-1000 HIGH CAPACITY STACKER
High Pile Stacking System	High Capacity Self-Compensating Stacker - 750 mm Paper Capacity	
Support Plate for Pallets	Standard Support Plate for use with Pallets + Optional Trolleys or Dollies compatible with HP Indigo Presses	
Power Requirement & Weight	220-240V AC, 50/60 Hz, 1.9A - 280 kg	220-240V AC, 50/60 Hz, 3A - 160 kg
Feeder HC/Coater/Stacker HC Total Dimensions	3904 (W) x 1063 (D) x 1310 (H) mm	5045 (W) x 1389 (D) x 1310 (H) mm

SPECIFICATIONS	ULTRA SF-300 FEEDER
Feeding System	Standard Feeder - 200 mm Paper Capacity Top Feeding Air Suction Chamber with Transport Belts - Double Feed Detection - Front & Side Air Blowers
Power Requirement & Weight	220V, 50/60 Hz, 4.6A/2.3A - 120 kg
Feeder/Coater + Exit Tray Total Dimensions	3185 (W) x 1063 (D) x 1251 (H) mm

SPECIFICATIONS	ULTRA FL-300 FLIPPER	ULTRA FL-1000 FLIPPER
On-Line Flipper Unit	In-line Automatic Sheet by Sheet Flipping On-The-Fly - Duplex Ready or Duplex	
Power Requirement & Weight	220-240V AC, 50/60 Hz, 1.9A - 115 kg	220-240V AC, 50/60 Hz, 1.9A - 115 kg
Feeder HC/Coater/Flipper/Stacker HC Total Dimensions	5117 (W) x 1063 (D) x 1310 (H) mm - Flipper 1613 (H) mm	5913 (W) x 1389 (D) x 1310 (H) mm - Flipper 1613 (H) mm

SPECIFICATIONS	ULTRA 300A ON-LINE BRIDGE + Exit Tray	ULTRA 1000A ON-LINE BRIDGE + ST-1000 HC
On-Line Bridge Unit	In-line B2+ Format (Short-Edge-Feeding) Bridge	In-line B2+ Format (Long-Edge-Feeding) Bridge
Interface Communication	UPIC Interface for HP 7900 (HP 5X00 & 7X00 series)	UPIC Interface for HP 12000 (HP 1X000 & 3X000 series)
Power Requirement & Weight	220-240V AC, 50/60Hz, 1.9A - 90 kg	
Bridge/Coater Total Dimensions	3720 (W) x 1063 (D) x 1310 (H) mm - Excl. HP Press	4786 (W) x 1389 (D) x 1310 (H) mm including ST-1000 - Excl. HP Press

SPECIFICATIONS	ULTRA DM-300 DYNEMATE	ULTRA DM-1000 DYNEMATE
On-Line Corona Unit	In-line Corona Treatment Unit for Surface Preparation & Ink Adherence	
Max Width Format	530 mm	750 mm
Discharging Method	High Frequency Corona Discharge on Whole Sheet Surface	
	Fully Isolated Ceramic Electrodes - Dedicated Stainless Rollers - Integrated Vacuum System	
	Easy and Straight Forward Gap & Thickness Adjustment	
Type of Media	Metallic Boards, Sheet Labels, Adhesive Paper, Synthetic PVC, PET, and Difficult Substrates	
Paper Weight	From 120 to 600 gsm	
Dyne Level	Up to 54 Dyne level	
Connectivity / Compatibility	With Ultra 300A Coater + High Capacity SF-300F Feeder & ST 300 Stacker	With Ultra 1000A Coater + High Capacity SF-1000F Feeder & ST 1000 Stacker
Power Requirement & Weight	220-240V AC, 50/60 Hz, 5A - 145 kg	220-240V AC, 50/60Hz, 5A - 175 kg
DyneMate Dimensions	1151 (W) x 937 (D) x 1375 (H) mm	1151 (W) x 1007 (D) x 1375 (H) mm

ULTRA
FINISHING

ULTRA 300A/1000A

UV FLOOD COATERS



UNLEASH
VERSATILITY

Turning print into an energetic,
vibrant, full of life & inspiring
communication tools.
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ENHANCE. PROTECT. SMEAR-FREE

Heavy duty yet simple to use, the Ultra Coaters apply high quality gloss, satin, matte, soft-touch finish to a wide range of offset, inkjet, digitally printed applications and packaging - featuring innovative UV and Aqueous technology for coating full surface, both sides (in Duplex configurations) of the sheet with a smear free finish.

Available to run off- or on-line, the Ultra 300A and 1000A can accommodate the output speed from most digital presses and process different paper formats up to B2 Short & Long Edge Feeding (*), up to 350 gsm at a maximum speed of 45 metres (148 feet)/min.

Intelligent control and easy programming System

With its user friendly and intelligent control system, minimal operator experience is required as the Ultra Coaters can be programmed quickly and easily with the touch of a button.

Coating speed, pump speed, cleaning and IR functions are all set from the control display panel. The coating volume and roller gap can be adjusted in 0.1 mm increments using the two index dials.

Unique Auto-Gap Feature

The Auto-Gap prevents excess coating from smearing to the reverse side of the print. The rollers automatically disengage when there are no sheets present 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.

Auto Paper Thickness Adjustment

This 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 thickness.

Auto Cleaning Makes Cleaning Simple

At the touch of a button, the machine cleans itself automatically as the auto scraper blade clears excess coating from the roller. The coater will circulate an alcohol solution around the roller, disposing the waste into a separate bucket. The operator does not need to touch the rollers throughout this process, making cleaning hands-free.

Coating Pre-Heating System

This clever pre-heating feature lowers the viscosity of the varnish guaranteeing it is applied smoothly and more consistent throughout the sheet surface. Matte coating will blend better giving it a more consistent finish. For gloss coating, it will produce a smoother high gloss finish. Sensors send an alert when the coating solution in the internal tank needs replenishing, ensuring continuous production for high volume jobs.

Variable Speed Adjustment

Different speed levels ensure the coating is applied evenly and more consistently across the sheet. This allows more flexibility when running output from a variety of print engines or difficult substrates.

Standard UV & Optional Infra-Red Heating System

The standard heating helps cure difficult stock with a glossy and smooth finish and delivers a consistent high glossy meter reading. Coating is evenly distributed before passing under the UV lamp. 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, some coating will cure faster, leaving a consistent finish with a superior gloss meter reading.

Easy Pallet Loading for Feeding and Stacking

Designed to accept up to 750mm paper height, operators will benefit from the use of standard pallets, or optional trolleys and dollies to accommodate different digital presses.

EASY. HIGH-CAPACITY. AUTO-GAP



Easy Gap Adjustment with Index Dial



Coating

Pre-Heating System with Heat Jacket



UV & 3x Infra-Red Heaters



ST-1000 / ST-300:
750mm Pallet Stacker

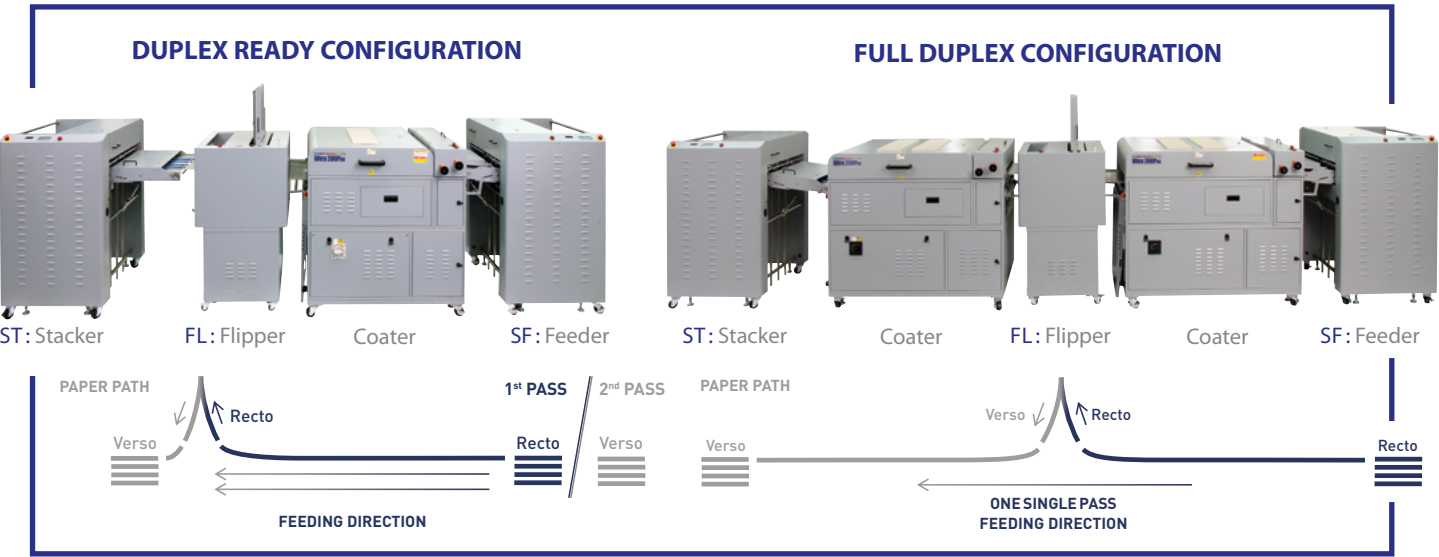
Optional:
Trolleys

SF-1000F / SF-300F:
750mm Pallet

DUPLEX. ON-LINE. CORONA

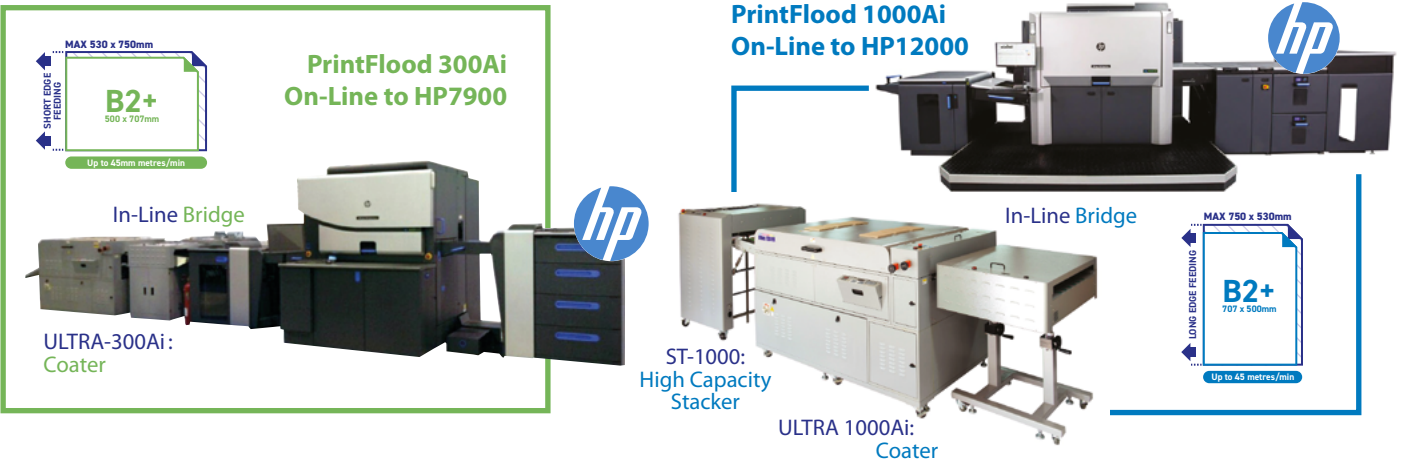
Smart Flipper for Automatic Sheets Returning

When equipped with the FLIPPER, all sheets will be automatically turned over on the fly, preventing the operator having to physically turn sheets over by hand. This is specifically dedicated to users printing photo albums or on big format paper as it dramatically reduces operator's intervention and mistakes when paper has been printed in sequence. All systems can be converted into a Duplex Ready or a complete Duplex configuration.

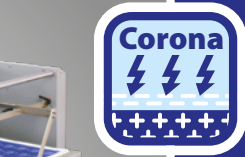


Full In-Line Integrated Configuration with Digital Presses

When equipped with a bridge unit (with adjustable height to accommodate all kind of digital presses including HP7X00 or HP1X000/2X000), they allow printed sheets to be delivered directly into the UV coater, increasing overall productivity and reducing machine downtime significantly. The electronic interface provides bi-directional communication that alerts both the press and the Ultra Coater to stop in the event there is a paper jam on either end.



DM-1000/DM-300
DYNEMATE:
Pre-Treatment Corona



Full In-Line Corona Treatment Configurations for Digital Presses

When using specific paper media, pre-treatment will be required to obtain sufficient ink adherence. The high-frequency discharge unit will optimize and guarantee ink adhesion on difficult substrates such as metallic boards, PVC or Plastic. The Corona pre-treatment unit can be fully integrated within PrintFlood 300A or 1000A configurations.

