

PRINTFLOOD 100PRO UV & AQ

PRINTFLOOD 200PRO UV

SPECIFICATIONS	ULTRA 100PRO UV & AQ COATER	ULTRA 200PRO UV COATER
Type of Machine	Full-Surface, Flood UV and Aqueous Coating System & Priming	Full-Surface, Flood UV Coating System
Paper Format MIN	215 mm (W) x 280 mm (L)	
Paper Format MAX	356 mm (W) x 510 mm (L) - B3+ SEF (Short Edge Feeding)	500 mm (W) x 707 mm (L) - B2 SEF (Short Edge Feeding)
Processing Speed	Up to 13 meters /minute	Up to 34 meters /minute
Paper Weight	From 120 to 350gsm	From 150 to 600gsm
UV Curing System	UV Lamp, 2.5 kW, 700+ hours	UV Lamp, 4.8kW, 700 + hours
Infra-Red Heaters	Equipped with 1x Infra-Red (UV Version) or 2x Infra-Red (AQ Version)	Optional Infra-Red Heaters (1 or 1&2) Depending on Digital Press Engines Used
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	Bucket with Heating Jacket as Standard to Improve Varnish Viscosity	
Output Tray	Adjustable Exit Tray, 650 (W) x 740 (D) mm	
Power Requirement & Weight	400VAC, 50 Hz, 13.5A, 380V 3 Phase Supply - 380 kg	400 VAC, 50 Hz, 27 A, 380V 3 Phase Supply - 450 kg
SPECIFICATIONS	ULTRA SF-200 FEEDER	ULTRA SF-300 FEEDER
Feeding System	Standard Feeder - 200mm Paper Capacity Top Feeding Air Suction Chamber with Transport Belts & Air Separation - Double Feed Detection	
Power Requirement & Weight	220V, 50/60 Hz, 3.2A/1.6A - 102 kg	220V, 50/60 Hz, 4.6 A/2.3A - 120 kg
Feeder / Coater + Exit Tray Total Dimensions	2636 (W) x 887 (D) x 1250 (H) mm	3185 (W) x 1063 (D) x 1251 (H) mm

SPECIFICATIONS	-	ULTRA SF-300F HIGH CAPACITY FEEDER
High Pile Stacking System	-	High Capacity Feeder - 750 mm Paper Capacity Top Feeding Air Suction Chamber with Transport Belts & Air Separation - Double Feed Detection
Support Plate for Pallets	-	Support for Use of Pallet & Optional HP Trolleys or Dollies for Digital Press
Power Requirement & Weight	-	220-240V AC, 50/60 Hz, 2.6A - 280 kg
SPECIFICATIONS	-	ULTRA ST-300 HIGH CAPACITY STACKER
High Pile Stacking System	-	ST-300 High Capacity Stacker - 750mm Paper Capacity
Support Plate for Pallets	-	Support for Use of Pallet & Optional HP Trolleys or Dollies for Digital Press
Power Requirement & Weight	-	220-240V AC, 50/60 Hz, 1.2A - 280 kg
Feeder HC/ Coater /Stacker HC Total Dimensions	-	3904 (W) x 1063 (D) x 1310 (H) mm

SPECIFICATIONS	-	ULTRA FL-300 FLIPPER
On-Line Bridge 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 - 115kg
Feeder HC/ Coater / Flipper / Stacker HC Total Dimensions	-	5117 (W) x 1063 (D) x 1310 (H) mm - Flipper 1613 (H) mm

SPECIFICATIONS	ULTRA DM-100 DYNEMATE
On-Line Corona Unit	In-line Corona Treatment Unit for Surface Preparation & Ink Adherence
Max Width Format	350 mm
Processing Speed	Up to 45 meters/minute, Flat Sheets
Discharging Method	High Frequency Corona Discharge on Whole Sheet Surface Fully Isolated Ceramic Electrodes Dedicated Stainless Rollers Easy and Straight Forward Gap & Thickness Adjustment Integrated Vacuum System
Type of Media	Metallic Boards, Sheet Labels, Adhesive Paper, Synthetic PVC, PET, and Difficult Substrates
Paper Weight	From 120 to 600gsm
Dyne Level	Up to 54 Dyne level
Connectivity/Compatibility	With SF-300 Feeder + Ultra 100PRO
Power Requirement & Weight	220-240V AC, 50/60Hz, 5A - 155 kg
Corona Unit Dimensions	1211 (W) x 1237 (D) x 1375 (H) mm

Markhunting has a policy of continuous improvement and reserves the right to amend the above specifications without prior notice. The information given is believed to be true and accurate in time of printing.

FULL-SURFACE. ROBUST. UPGRADABLE

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# Turn your Prints into Energetic, Vibrant, Full of Life & Inspiring Communication Tools !

Coating is an excellent way to make printed marketing material stand out: not only it increases media's long-lasting durability, prevents scratching or scuffing, resists fingerprints and smudges, it significantly improves overall look, enhances print density and better protects digitally, offset and inkjet printed sheets.

Versus thermal lamination where plastic films are used, Print Providers should not ignore the importance of cost effectiveness and Eco friendliness of UV or Aqueous coating processes.



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## ENHANCE. PROTECT. SMEAR-FREE

### Intelligent Control System

With its state-of-the-art intelligent control system, minimal operator experience is required as the Ultra Coaters can be programmed quickly and easily. With the touch of a button, the entire machine is turned on in a programmed sequence.

### Easy Programming

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 backside of the print. The applicator and impression rollers engage only at the start and end of the sheet (they are never in contact with each other). 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.

### 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 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 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 smooth high gloss finish. Sensors will send an alert when the coating solution in the internal tank needs replenishing, ensuring continuous production for high volume job.

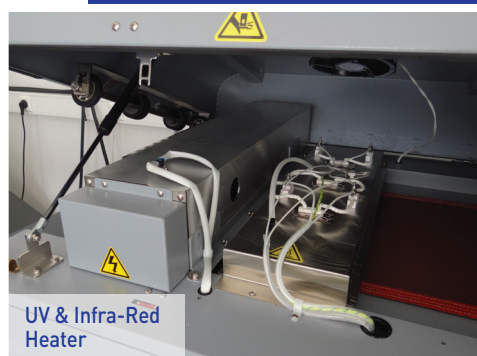
### Variable Speed Adjustment

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

### Standard UV & Optional Infra-Red Heating System

The standard UV lamps helps cure paper with a glossy and smooth finish and delivers a consistent high-glossy meter reading. Optional infra-red heating on the Ultra 200PRO will be necessary to ensure that additional heat is supplied for difficult stock and media printed on certain print engines. The Ultra 100PRO will come equipped with one infra-red heater as standard for the UV version and two infra-red heaters for the AQ version. The self-centered and self-tensioning conveyor ensures all sheets are delivered consistently flat and straight throughout the process. With the combined power of the UV lamp and the infra-red heaters, some coating will cure faster and better, leaving a consistent high-quality finish.

## EASY. UNATTENDED. AUTO-GAP



## DUPLEX. HIGH CAPACITY. CORONA

### ULTRA-200PRO UV Upgrade : Easy Pallet Loading for Feeding and Stacking

In order to facilitate paper handling and big volume usage, operators will enjoy the high-pile air suction feeder and the self-compensating high-pile stacking devices. Designed to accept up to 750 mm paper height, operators will benefit from the use of standard pallets, or optional trolleys and dollies to accommodate different digital presses. The Ultra 200PRO can be easily upgraded with the SF-300F High Capacity Feeder and ST-300 High Capacity Stacker.

ST-300:  
750mm  
Pallet Stacker



Optional: Trolleys

SF-300F:  
750mm  
Pallet Feeder



ST-300:  
High-Capacity

ULTRA 200PRO UV:  
Coater

SF-300F:  
High-Capacity  
Feeder

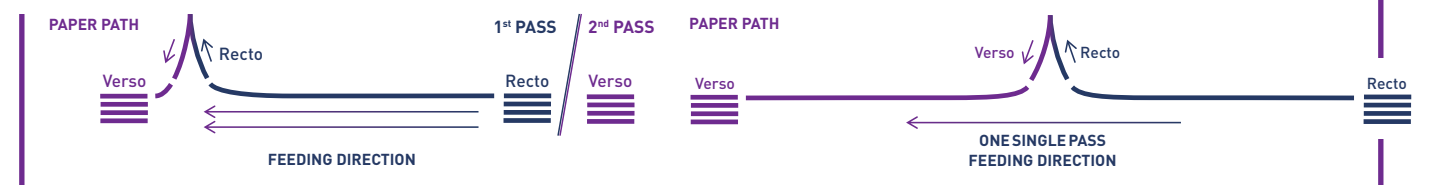
### ULTRA-200PRO UV Upgrade : Smart Flipper for Automatic Sheets Returning

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.

#### DUPLEX READY CONFIGURATION



#### FULL DUPLEX CONFIGURATION



### ULTRA-100PRO UV & AQ Upgrade : 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 100PRO configurations.

