

Ultracoat E Catalog

STANDARD EQUIPMENT

- Laser Guided Pallet and Pile Loading
- Reverse Angle Doctor Blade System
- PLC with User Programmable easy to use Touch Screen
- Programmable I.R. & Twin Lamp U.V. Dryer of 120W cm² with Automatic Adjustment of Power Levels at different speeds
- Pneumatically Operated Impression & Anilox Cylinder
- Shingling Unit with Motorized Stacker and Pneumatic Jogger
- Automatic Pneumatic U.V. Lamp Hood Opener
- Two Anilox Rollers for a Variety of Applications
- Automatic Ink / Varnish Circulating Pump
- Quick Change Anilox and Doctor Blade System
- Full Oil Bath for Maintenance Free Long Life Operation
- Electronic Missing / Misaligned & Double Sheet Detector

OPTIONAL EQUIPMENT

- In line Powder Cleaning Attachment
- High Velocity Hot Air Dryers
- Viscosity Controller for Solvent Inks / Varnishes
- Temperature Regulated Varnish Management
- Chamber Doctor Blade System with Circulation
- 160 W cm² U.V. Curing System
- Non Stop Feeder
- Non Stop Delivery
- Sheet Cooling Device after U.V. System
- Electrical Hoist for Anilox Roller Change
- "PERFECTO" 100% in Line Defect Detection System
- Extra High Pile Feeder & Stacker for 165 cm Pile Height (suitable for Heavy Stocks and Long Runs)

SPECIFICATION	ULTRACOAT 500 DI FOR MICRO PRESS	ULTRACOAT 700	ULTRACOAT 750FST	ULTRACOAT 800FST	ULTRACOAT 1040
MAXIMUM SHEET SIZE	14" X 20" 360 X 520 mm	18" X 27" 465 X 692 mm	22" X 30" 555 X 760 mm	25" X 37" 635 X 940 mm	29" X 41" 740 X 1040 mm
MINIMUM SHEET SIZE	180 X 200 mm	205 X 260 mm	320 X 360 mm	330 X 406 mm	330 X 406 mm
MAXIMUM SPEED	12,000 sph	12,000 sph	10,000 sph	10,000 sph	10,000 sph
MAX. IMAGE AREA	360 X 520 mm	457 X 685 mm	545 X 750 mm	625 X 930 mm	730 X 1030 mm
PLATE SIZE	505 X 630 mm	505 X 695 mm	675 X 785 mm	730 X 945 mm	860 X 1050 mm
PLATE CYL. UNDERCUT	2.5 mm	2.5 mm	2.5 mm	2.5 mm	2.5 mm
GRIPPER MARGIN	8-10 mm	8-10 mm	8-10 mm	8-10 mm	8-10 mm
CYLINDER DIAMETER	180 mm	180 mm	280 mm	280 mm	300 mm
FEED TABLE HEIGHT	1120 mm	1120 mm	1050 mm	1050 mm	1050 mm
DELIVERY TABLE HEIGHT	1120 mm	1120 mm	1050 mm	1050 mm	1050 mm
WEIGHT	3800 KG	6500 KG	7500 KG	8500 KG	9200 KG
DIMENSIONS	1.4 m X 7.6 m	1.6 m X 7.6 m	1.9 m X 8.5 m	2.2 m X 8.6 m	2.4 m X 9.6 m
POWER CONSUMPTION (COATING UNIT ONLY)	2.25 kw	3.75 kw	3.75 kw	5.6 kw	7.5 kw
POWER CONSUMPTION EACH (U.V. LAMP FULL POWER)	6 kw	8.4 kw	9.6 kw	12 kw	13.2 kw
POWER CONSUMPTION (U.V. DRYER HIGH/LOW)	1.5/3 kw	1/803.6 kw	2.5/5 kw	4.5/9 kw	6/12 kw
CONVEYOR MOTOR	0.75 kw	0.75 kw	1.25 kw	1.25 kw	1.25 kw
VACUUM ON CONVEYOR	1.5 kw	1.5 kw	1.5 kw	2.25 kw	2.25 kw
LUBRICATION SYSTEM	Full Oil Bath	Full Oil Bath	Full Oil Bath	Full Oil Bath	Full Oil Bath

SALIENT FEATURES

- Application of UV/Water / Solvent Base Inks & Varnishes, Heat Sealable Coatings, Strippable / Scratch off Coatings
- The U.V. System and IR Dryer Power Levels are Synchronized with the Machine Speed and are user Programmable for Power Saving and Optimum Curing
- Maintenance Free Conveyor Delivery allows to maintain a minimum and Constant Sheet Gap between Sheets to optimize the use of UV / IR Energy at all Press Speeds
- Quick Change Anilox and Doctor Blade System
- Precise Coating Weight through Anilox Rollers
- Powerful High Pile Stream Feeder with Vacuum Suction Belts for easy setup
- PLC with User Programmable Touch Screen for all Functions of the Machine and Electronic Checklist for New Job Setup
- Belt / Sheet Jam Protection
- Full Oil Bath with Hardened Gears

AFTER SALES SUPPORT

Backed by 20 Years experience in the Coating Business, U.V. Graphic has installed over 200 machines worldwide and has trained engineers and agents worldwide to provide you the best after sales support, whether it is for the maintenance of your equipment or consulting for a difficult job... you have our full support.



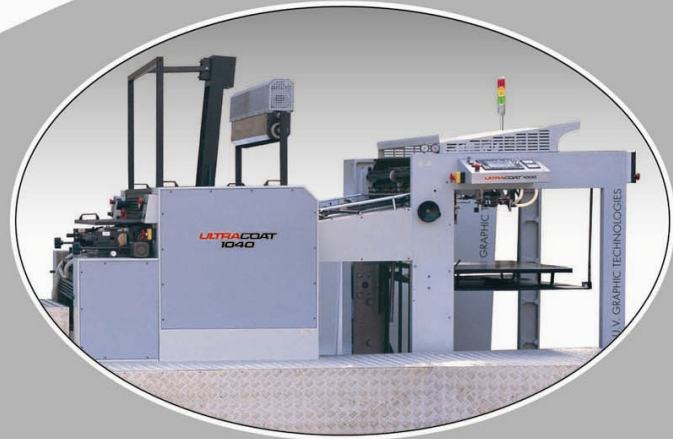
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ULTRACOAT

Your Ultimate Coating Partner



Life beyond printing !



U.V. GRAPHIC TECHNOLOGIES PVT. LTD.

The First High Speed Fully Automatic Coater in the Industry

Minimize wasted time... and material

ULTRACOAT™ Coaters are equipped with special devices like Quick Change Anilox System, Quick Action Plate Clamps, instant make ready and register with an easy to operate Vacuum Suction Stream Feeder for a wide range of paper stock. You can achieve fine and consistent coatings from 1 to 12 gsm at 12,000⁺ sheets per hour. The ULTRACOAT™ enables you to maximize throughput while minimizing converting costs, thereby reducing wasted time... and material.

Touch Screen Human Interface

All press functions are controlled from a user friendly and informative Graphics User Interface (Touch Screen) with access and status display for every function and every sheet handled by the press along with direct readout of all faults and self diagnostics. All functions of the Machine including programming of UV and IR Power Levels can be performed from the Touch Screen.

Anilox Motor

An independent powerful Anilox Motor keeps the Anilox Roller running during press stops to avoid drying of coating material on the rollers.

Shingling Stacker / High pile delivery

A shingling stacker slows down the sheets to form a uniform and smooth stack. A Sheet Cooling Device can be added to cool Heat Sensitive Stocks.

U.V. Enclosure

The U.V. Lamps are housed in a dual enclosure to cool the inside and outside of the lamp housing ensuring a cool working environment and increased Lamp life. The Lamps easily last for upto 2500 hrs and come with a manufacturers warranty of 1000 hours.



Plate Cylinder

The Plate Cylinder with Quick Action Plate Clamps accommodates all types of Offset Blankets and Polymer Plates for spot or solid coatings. This design permits the use of a wide variety of polymer plates and blankets.



Powerful High Pile Stream Feeder

A Powerful Stream Feeder with Vacuum Suction Belts. Complimented by a Heavy Duty Compressor to lift the heaviest of boards with ease. The High Pile Feeder permits long runs with fewer press stops.



Electrical Control Panel

Manufactured strictly to DIN / CE specifications with APC-3 controls from Telemecanique France, and advanced PLC's from Mitsubishi Japan for enhanced operator interface. The electrical panel uses MPCB's & MCCB's instead of fuses and overload relays for total machine protection in any environment.



Quick Change Anilox & Pneumatically Operated Anilox & Impression Cylinder

Simple yet reliable Quick Change Anilox System allows changing of Rollers in under 3 minutes. Pneumatically Operated Anilox and Impression Cylinder backs off during emergency stops and power failure, so the sheets don't stick to the blanket.



Electronic Missing, Misaligned and Double Sheet Detector

Optic Fiber electronic missing and misaligned sheet detector with a sophisticated Ultrasonic double sheet detector to monitor accurate alignment and smooth flow of stock. The Ultrasonic Double Sheet Detector does not require any user settings and automatically determines sheet thickness.

Deliver higher product quality.

ULTRACOAT™ achieves the highest gloss levels with minimum raw material consumption. Thanks to laser engraved Ceramic Anilox rollers, high coating speeds and in-line curing. A precise film of varnish is applied to the blanket / plate, which is transferred instantly on the paper surface. The extra long conveyor and regulated IR Dryer allow excellent flow out of the UV Varnish. The in-line UV/IR dryer polymerizes the varnish instantly thus not allowing the varnish to penetrate into the substrate, so you can achieve the highest gloss levels with low varnish consumption... resulting in better quality at lower costs.

ULTRACOAT™

Precision Front / Side Lay & Grippers

For tight register control which can be adjusted while the press is running. Positive gripper bite on impression cylinder to hold a wide variety of material even with tacky coatings



Maximize... your profits

Reduced coating costs, consistent coating film weight, high speed production, quick changeover, low power consumption, cutting backlog and labor cost are just some of the ways to increase your profits. ULTRACOAT™ is the fastest off line coater in the market with speeds upto 12,000⁺ sheets per hour; the press is designed to bridge the gap between product efficiency, versatility and throughput.

Make the most of top efficiency and versatility.

The ULTRACOAT™ can be used for water/ solvent / UV based varnishes and inks for sheet fed flexographic printing... Yes, you can print those difficult solids with instant drying which could never be achieved with Letterpress or Offset. Special features include Printing of High Luster Metallic Inks and Scratch off Coatings. "PERFECTO" A 100% defect detection system with reject gate or reject piling delivery can be integrated on all Ultracoat models to eliminate any printing defects while coating.... making the most out of your equipment.