

Specifications

Coating Speed	10-40 m /min Max speed 4,440 shts/hr (LEF) depending upon stock thickness and condition of paper
Paper Thickness	120 gsm - 350 gsm
Sheet Size	Max 521mm (W) x 710mm (L) Min 210mm x 297mm (LEF)
Coating Rollers	Metering; Application; Pressure
Detection Functions	Air knife for lightweight stocks, Lamp Life indicator, Paper Jam sensor, Oil flow sensor
Warm up times	UV lamp warm up times 3- 5 mins
UV lamp power	100W per cm
Feed process	Hand feed or SF205 model suction sheet feeder
Features Include	Automatic set up of coating rollers from 120-350 gsm; Air knife for lightweight stocks; Touch screen controls; Automatic cleaning system; Optional IR (Infra Red) lamp;
Other features	Up to 50 programmable memory positions for Speed, Coating volume, Air knife timer & UV lamp power. Reduced power; Standby mode; Automatic cooling down system; Easy fault recognition on touch screen control panel; Self tensioning conveyor belt.
Power Supply	3 phase 32amps 380/415V 50-60Hz + Earth + Neutral

Machine Dimensions

Depth	1245mm
Width	2498mm
Height	1016mm
Weight	791kgs
Noise Emissions	78 db with compressor

SF 205 suction feeder

Speed	Max 10-40 Metres/Min *
Paper size	Max 521mm x 710mm Min 210 x 297mm (LEF)
Feed process	Top feeding by suction belt
Detection	Double sheet overlap sensor
Stack capacity	200mm or 30kg depending upon paper stocks
Machine Dimensions	89cm x 83cm x 60cm (LxWxH)
Weight	122kgs
Power supply	Single Phase 230/240V 50 Hz 1 Amp
Counting	Total and Batch counting

Options

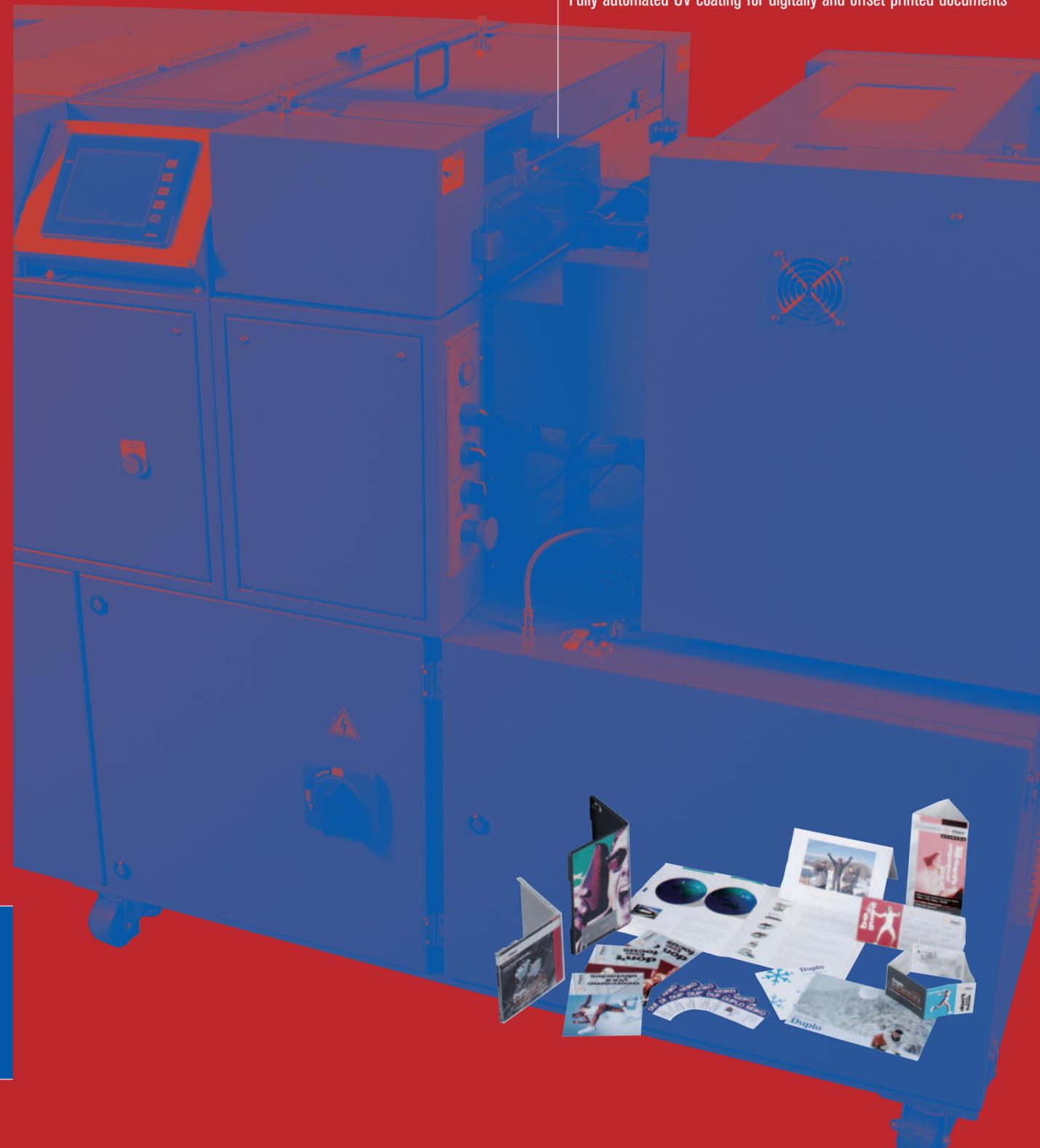
IR - Infra Red heater

* Depending upon UV coating speed and sheet size



ULTRA 205A
ultraviolet document coater

Fully automated UV coating for digitally and offset printed documents



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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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Ultra 205A

UV-curable Document Coater



The highly productive and heavy duty Ultra 205A UV coater, has been designed to enhance and protect, whilst adding value to a range of both digital and offset media. The simple and fast set up of the Ultra 205A offers instant curing and allows for production speeds of 40 metres per minute.



TOUCH SCREEN DISPLAY

A user friendly and simple to operate touch screen control panel allows the operator to set up for coating weight and speed and store them in one of 50 job memories. Each one can be simply recalled for future use.



SELF CLEANING OPERATION

As UV coaters demand extensive cleaning this unique enclosed system performs automatic cleaning to increase productivity. Simple and easy to use controls allow the operator to perform either a Quick or Full clean down at the end of the shift.



AIR KNIVES

Built in Air knives automatically detect when lightweight paper stocks try to adhere to the application roller. A powerful jet of air is directed to the leading edge of the paper, pushing the sheet back down onto the suction feeding drums. This action prevents paper jams and wastage.



The conveyor belt automatically centres and adjusts to keep media neatly stacked.



In the event of a paper jam, the UV lamp is automatically raised away from the paper path to safeguard the conveyor from damage and ease operator access. Once the jam is cleared and the lamp has cooled, the operation of the Ultra 205A automatically recommences.

The Ultra 205A is a simple and user friendly flood U.V. coating machine, that provides an enhanced and protective Gloss; Matt or Satin finish on a wide range of Digital and Offset papers. The Ultra 205A adds real value and effect to the finished product, by adding vibrancy and depth to a wide range of applications including Photos, Postcards, Book covers, Point of sale and Advertising material.

The Ultra's patented system provides a fully automatic set up of the coating and application and feeding rollers, making it perfect for both short and long runs. The Ultra can accommodate a broad range of paper stocks and sizes from 521mm (W) x 710mm (L), and paper weights from 120gsm- 350gsm.

Reliable Feeding

The automatic suction feeder SF205 accurately and consistently feeds sheets from the top of the paper stack each time. Air is distributed through the front of the stack to create lift and separation.

A double sheet overlap detection sensor automatically detects when 2 or more sheets are being delivered into the coating rollers. This function automatically stops the coating process, representing huge savings on possible re prints.

Adding Real Value

The Ultra 205A is the perfect solution whatever your print engine. It provides a professional finish on Gloss, Silk and Matt coatings to a range of both digital and offset papers. The coatings add real value to the finished product, whilst protecting against abrasion and scratching.

User friendly operation

The Ultra 205A uses a simple to use touch screen control panel. Up to 50 memory positions are available to provide for the quick setting up of Speed, Coating Volume, Air knife and UV lamp power information.

High productivity

The Ultra 205A offers an automatic set up of the 3 processing rollers which in turn leads to a reduction in set up times and costs. A built in air knife ensures that lightweight media will not adhere to the application roller, whilst significantly increasing productivity levels.

The SF205 includes a 200mm stack capacity which results in a further increase in productivity, whilst minimising any re-load times.

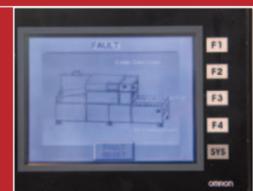
Automatic cleaning

The compact design of the Ultra 205A incorporates a unique and enclosed automatic self cleaning system. The operator simply switches the machine to the cleaning mode where the coating is simply deposited into a container. The used coating can then be safely removed and disposed off in an approved manner.

A built in adjustable delivery tray ensures that all media is neatly stacked. Tray full and paper jam sensors will automatically sense an error and cease production.



The large touch screen display is designed for a quick reliable operation. All adjustments can easily be made via the control panel to simplify operation. A troubleshooting diagram displays the problem details and locations for easy problem solving.



The high capacity suction feeder SF205 will accurately and consistently feed paper weights from 120- 350gsm. Each sheet is fed from the top of the paper stack to minimise and eliminate possible marking of the sheets A large 20cm stacking capacity provides for an increase in productivity.



Applications

The Ultra 205A provides a coating solution for a wide range of applications



- ⇒ Posters
- ⇒ Business Cards
- ⇒ Direct mail
- ⇒ Invitations
- ⇒ Book covers
- ⇒ Photos
- ⇒ Point of Sale
- ⇒ Advertising

innovative solutions for finishing digital print



Duplo offer a wide range of complementary finishing solutions for offset and digital print, including creasing, cutting, slitting, scoring, perforating, booklet making and perfect binding. Please ask for further details.