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DigiCoater 13

UV coaters give the perfect finish that will enhance, protect and add value to your print.



UV Coating is rapidly being adopted as a means to enhance, protect and add value to your digital and litho printed documents. The application of a gloss UV Varnish can be used enhance the print quality, making colours appear richer and more vivid, as well as offering protection for documents being frequently handled.

UV Coating is widely considered as being a more environmentally friendly alternative to lamination as virtually no waste is produced in the production process. Unlike laminated stocks, which normally should be treated as plastic waste, UV coated stocks can be disposed of or recycled as normal printed paper would be.

Key Product Features

- Automatic touch screen operation
- Multiple coating options
- Can be used to prime printing stock
- Variable coating thickness
- Multiple supply tanks with semi auto wash
- Sheet weight 150lb cover
- Filtered recirculation system
- Variable speed to 98 feet per minute
- Enclosed System For Dust Free Prints
- Compact footprint
- Choice of air feeders and joggers

The DigiCoater 13 is our entry level UV coater and is ideal for those printers working with litho presses and digital print engines whose maximum width is 12.9".

The DigiCoater 13 comes with 3 tanks and 1 coating roller and can be used for UV coating OR priming, but not for doing both at the same time. The tanks are fully enclosed within the body of the machine.

The DigiCoater 13 is controlled by a sophisticated touch screen panel making operation a very simple process.

Coating thickness and stock thickness are controlled by calibrated levers on either side of the coater.

A choice of suction feeders is available depending on the work being produced. A top feeder would be specified for large quantities while a bottom fed device would be preferable for smaller quantities and continuous running. All feeders offer total sheet control to the operator and ensure that all sheets are presented to the DigiCoater at the correct speed. The DigiCoater 13 has an integral catch tray but can also be ordered with a fully featured jogger either at time of order or at a later date.

Cleaning down the DigiCoater 13 couldn't be easier. It is a semi automatic

machine so the operator simply has to move a lever to change the pump from the varnish tank to the cleaning tank for the clean down cycle and back again once complete.

There is an optional Digi-IR unit available for coating wax based toners. This unit is placed in front of the coater and heats the toner prior to coating to ensure complete adhesion of the UV varnish to the toner. There is no loss of quality during this procedure.

Simple one-finger operation. Never before has operation of a UV Coater been so easy. The intelligent touch screen interface allows you to control every aspect of production from start to finish. Variable data fields allow you to precisely control throughput speed. Select from primer, coating station and which coating tanks to use. Clean ups are semi automatic with cleaning and drain times specified through the touch screen control panel.

A **gloss varnish** is often used to enhance the appearance of documents, brochures or flyers, as the coating reflects back the light and makes colours appear richer and more vivid. A gloss coating can add impact to the print, especially in sales or promotional material, where optimum presentation of images is important.

A **matt varnish** gives the printed surface a non-glossy, smooth look. This type of seal is sometimes used to 'soften' the appearance of a printed image. Small text in a leaflet or booklet can be easier to read on a surface coated with matt varnish as the coating scatters the light and reduces glare.

A **textured finish** allows the designer to create a special effect on the printed surface. This is achieved by using a textured roller. Details of the textures available are detailed overleaf.

Applying a UV coating **protects** the printed image as well as enhancing it. This is essential for anything that will be frequently handled or submitted to the rigours of the postal system. The DigiCoater 13 is compatible with most print technologies including liquid ink and toner based digital engines, photo, ink jet and conventional litho.

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technical specifications

Maximum speed (feet per minute)	98
Maximum coating width	12.9"
Maximum coating length	30"
Maximum paper weight	150lb cover +
Coating thickness	6 - 14 microns
Coating technology	100% UV curable
Coating capacity DigiCoater 13	3 x 0.21 gal
Available finishes	Gloss/Matt/5 textured finishes
Cleaning	Semi automatic
Dimensions	L 59" x W 27.5" x H 41.1"
Weight	407.8 lb
Power requirement	30 amp single phase 220/240v 50/60Hz
Optional extras	Digi-IR, Xtractor

Note: the production speed varies according to material size.

Coverage is dependent on the thickness of the coating and the absorption of the stock being used. Test results show coverage up to 4000 11" x 19" sheets per 11lb of coating solution.

Primers are coatings applied to substrates to achieve maximum printing performance. High quality digital printing requires substrates to have high levels of chemical and physical consistency. Most synthetic substrates can be upgraded to such levels with the application of substrate primers. Primers can be applied to suitable substrates at the client site to reduce costs and increase substrate diversity. Substrate primers improve ElectroInk transfer, fixing and adhesion. They also maximize the life span of press consumables.

The DigiCoater 13 is manufactured to CE specification. The system uses UV varnishes and washes which must be used in accordance with the information on the health & safety data sheets. Morgana Systems recommends its range of Morgana Magic coatings which optimise the results from the DigiCoaters.

The UV lamps used in the DigiCoater 13 produce ozone. It is therefore **STRONGLY RECOMMENDED** that the unit is vented to the outside. A 16.4ft flexible pipe is included in the price of the DigiCoater 13. Should

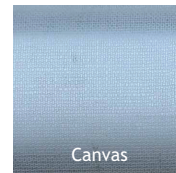
the distance to the outside be more than 16.4ft an additional fan and piping will be required. Morgana Systems do not supply these items or fit the supplied venting.

An alternative to outside venting is our ozone elimination unit called the X-Tractor. This is available as an option should outside venting not be possible or if the DigiCoater is required to be mobile.

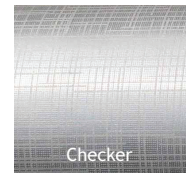
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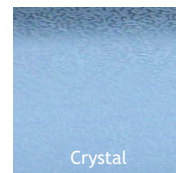
Artisan



Canvas



Checker



Crystal



Leather

*Disclaimer

As part of our continued product improvement plan, specifications and information published here are subject to change without notice. All specifications are dependent on application, type of stock, temperature, RH and print engine used. Specifications quoted were measured on uncoated and unprinted stock. E & OE.