

# Plockmatic HD LED

Flat Coater

Lowest running cost per page in the industry



Plockmatic Group

## PLOCKMATIC GROUP

Plockmatic Group develops, manufactures and markets an extensive range of document finishing systems sold under the Plockmatic and Morgana brand names.

These products work inline or offline in concert with the world's best digital printing systems.

We make booklets. We also mail, fold, crease, perforate and bind documents with extraordinary precision. Quite simply, we turn stacks of printed paper into the beautifully finished documents you use every day.

## PLOCKMATIC HD LED

The mission of Plockmatic Group is to help save our planet while optimizing and increasing value of your digital prints with our thin layer of coating.

Reducing the use of non-biodegradable plastic lamination and thick coat varnishing is a good start.

Plockmatic cutting-edge light source technology avoids heating up your media, allowing to process prints immediately after coating.

Plockmatic Flat Coaters feature a very unique and easy operating platform with low maintenance and minimal use of consumables; this production machine is one of the most attractive alternatives to non-environmental friendly costly plastic lamination.

Compared to other UV coaters with varnish consumption around 20 grams per square meter, the Plockmatic HD LED Flat Coaters consume only 2 grams per square meter of varnish, thereby cutting running costs, helped by the "flash" LED mode, only activating the lamps when documents are running through the machine.

Thanks to these parameters, Plockmatic Flatcoating Machines have the lowest production cost per page in the industry today.

The patent pending coating technology features an innovative timing-belt, resulting in photo-quality finished products.

Thanks to the fully automated head, set up and cleaning, as well as maintenance is fast and easy, no use of chemicals for cleaning.

# THE LATEST GENERATION IN PRINT FINISHING

## Air-cooled LED lamp system

With the polymer makeup of LED varnishes and the low heat of the UV diodes, much higher gloss levels can be achieved over conventional UV or H-UV curing. Higher color fidelity and sharpness is achieved through trapping and flash curing the varnish on the surface of the media.

## Problem of heat generation solved

Because UV light emitting diodes produce 100% of their spectral output in the UV range, they avoid the problem of heat generation common in H-UV, HR-UV, LE-UV and standard mercury UV arc lamps, where infrared heat, convection heat and wasted spectra account for up to 80% of the lamp output.

## And there is a further benefit...

LED printed sheets do not smell of the noxious odors released from heat-activation of chemicals within substrates. Unlike any other means of curing, LED retains a true freshness to the printed material.

## Plockmatic Flat Coaters optional equipped with a special IR system are used for wax based toners

Wax toner printing systems change the surface tension of the printed surface in such a way that document finishing becomes complex. Not for the Plockmatic Coaters, we use a short wave IR lamp system with borosilicate tempered glass between the IR lamp and the media. This glass and the unique cooling system avoid media burns.

## The optional unique IR lamp system necessary for typical wax based toner cut sheet printer such as;

- All Ricoh, Canon and Konica Minolta printers and also for the Fujifilm Inkjet & Jetpress 720.
- Plockmatic Flat Coaters can run without IR for prints coming from Canon i300 Inkjet Press, Xerox Brenva, Xerox Igen.
- Output from roll feed solutions (after cutting) such as Xeikon toner based, Xeikon Inkjet, Screen Truejet & Ricoh VC60000 Printers.

## BENEFITS

- Fast return on investment
- Cost effective finishing, lowest cost per page in the industry
- Varnish consumption of 2-4 grams per square meter
- Speed up to 30 meters per minute or 98.43 feet per minute
- High speed option of 45 meters per minutes (147.64 feet) by more powerful LED
- Remote support technology is standard
- Goes into sleep mode between jobs

## FEATURES

- HD touch screen interface
- Sheet tracking
- Air-cooled LED technology
- Optional feeder and stacker
- Optional inline creaser or other finishing solutions
- Made in Europe and in USA
- Low energy consumption
- High definition (HD) gloss levels are achieved

# SPECIFICATIONS

<b>Min paper width:</b>	100 mm / 3.94"
<b>Max paper width:</b>	385 mm / 15.16"
<b>Min paper length:</b>	250 mm / 9.84"
<b>Max paper length:</b>	720 mm / 28.34"
<b>Optional long length:</b>	1,300 mm / 51.18"
<b>Min paper weight:</b>	150 gsm / 100 LB Bond, 55 LB Cover
<b>Max paper weight:</b>	600 gsm / 405 LB Bond, 222 LB Cover
<b>Min speed per minute:</b>	25 meters / 80 feet
<b>Max speed per minute:</b>	30 - 45 meters / 98.43 - 147.64 feet
<b>Lamp technology:</b>	LED Air-cooled
<b>Lamp lifetime:</b>	+/- 20,000 hours
<b>Wax based toner IR:</b>	optional
<b>HD function:</b>	optional
<b>Applied coating:</b>	2 - 4 grams per square meter
<b>Voltage:</b>	3 x 400 V + N + G (EU) / 208 single-phase (USA)
<b>Amperage:</b>	32 amp (EU) / 60 amp (USA)
<b>Air knife:</b>	standard
<b>Remote support:</b>	built in gate manager
<b>Certifications:</b>	CE - ETL - UL/ULC ( <i>in progress</i> )

For more information please visit <http://www.plockmatic.com>