SPOTMATIC 36

DIGITAL SPOT UV COATING MACHINE

KOMFI®

DESIGNED FOR UV SPOT VARNISHING

USING THE INKJET PRINTING TECHNOLOGY

- Robust and durable design
- Fast and easy processing of job with minimum preparation time
- User friendly operation via integrated PC
- Built-in help and self-diagnostics
- Developed with respect to easy and comfortable maintenance

- Highly reliable and precise sheet feeding using bottom vacuum feeder or Komfi-design feeding head
- Registration achieved "on the fly" (without stopping the sheet) using I2IR technology (Image to Image Registrat.)
- Variable data printing available
- Possibility of printing while the belt is moving forwards and backwards saves working time
- High layer thickness is achieved through multi-pass printing
- Very precise sheet transport under the printing unit thanks to patented solution of vacuum conveyor
- Intuitive and clear software to achieve even highly sophisticated effects easily and to enable preparation of job processing in graphic studio already

DESIGNED AND MANUFACTURED IN THE CZECH REPUBLIC

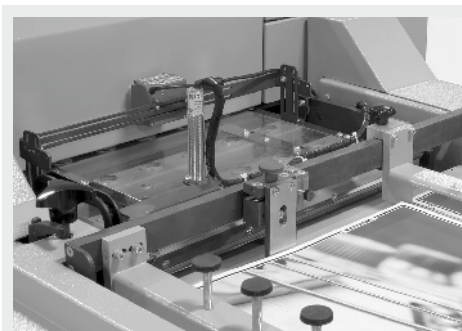| 36×100 cm | 24 m/min | SUCTION WHEEL | SPOT INKJET | PC | DIGITAL & OFFSET | g/m² 115-600 | 3× 400V | 6 bar 40 l/min |

SPOTMATIC

TECHNICAL DESCRIPTION

Spotmatic 36 is a UV inkjet varnishing machine suitable for creating glossy spots on matt laminated sheets and various varnish effects, not only on matt or glossy laminate, but also on non-laminated surface. Registration is achieved "on the fly", i.e. without stopping the sheet, using I2IR technology (Image to Image Registration), which involves registration of the print onto printed sheet without print data deformation. Eventual registration corrections are achieved through adjustment and movement of the position of the ink-jet heads.

The machine prints using 5 ink-jet heads with a resolution range in print direction from 180 to 4320 dpi. Final layers are achieved through multi-pass printing prior to curing, performed by vacuum conveyor moving forwards and backwards under the inkjet heads. This is a very precise solution of metal lamella conveyor of own development, protected by industrial design.

The machine can be equipped with a second row of printing heads as an option, which helps to print more conspicuous areas at the comparable settings or using settings with faster print processing for the same result. You can also use the second row of printing heads for two different varnishes / inks at the same time. These units are placed behind each other. The machine can be equipped with barcode reader for reading various data for each individual sheet from the server.

BOTTOM VACUUM FEEDER

SOFTWARE FUNCTIONS

- ☐ Large variability of print settings from basic parameters of spot varnishing up to special 3D effects
- ☐ Possibility to use pre-defined templates with settings of basic parameters of print
- ☐ Complete job settings saved into a file with notification when any parameter is changed
- ☐ Same SW available for graphic designer – job can be prepared in graphic studio completely in advance including printing settings
- ☐ Variable data for each sheet using code reader
- ☐ Printing parameters may be changed during machine run
- ☐ Detailed and graphically clear guide for job settings including description, location and explanation of all steps
- ☐ Detailed explanation of all functions part of the programme
- ☐ Registration settings by reading printing marks on the sheet done automatically
- ☐ Production calculation proceeded continuously – theoretical speed and amount of consumed varnish in a moment of printing parameters setting
- ☐ Detailed information about job parameters (processing time, sheet number, varnish consumption, price, etc.) changes continuously during processing according to reality
- ☐ Visualisation of machine status and individual mechanical groups control

TECHNICAL PARAMETERS

Maximum varnishing speed:	24 m/min (2400 sheets/h)
Maximum sheet dimensions:	36 × 100 cm (14.2 × 39.4")
Minimum sheet dimensions:	20 × 22 cm
Minimum paper weight / Maximum paper thickness:	115 gsm / 0.75 mm
Type of varnish:	UV
Sheet registration:	optical I2IR
Resolution (in print direction):	from 180 to 4320 dpi
Sprayed varnish quantity (single pass):	4.5 - 108 gsm
Machine dimensions including delivery desk (L × W × H):	561 × 128 × 145 cm
Air supply:	6 bar
Air consumption at stable run:	40 l/min

The technical parameters may change without prior notice.
Find more details about the product and its technical parameters on **www.komfilaminators.com**.

WEB PAGE