

dmax

76c

Digital spot and relief varnishing
for sheet substrates



For professional applications: up to sheet size B1 (30 × 42.5 in)

Compact design: high performance with small footprint, up to 100 meter / 328 feet per minute

With high quality: 600 dpi resolution, decreased pinholes even with thin layers

For maximum availability: industrial made, easy to operate, fast job-changes

For minimal operating costs: low varnish consumption, little maintenance

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Compact design with high performance



Basis system

Sheet conveyor system, sheet cleaning unit (calender)

Sheet detection even without print marks, register control and adjustment for each sheet

Digital inkjet varnishing unit with automatic cleaning system, UV-dryer

Operation via touch screen monitor, comprehensive image editor, remote service

Options

Speed upgrade for higher performance

Integrated data RIP

Fully variable data for different varnish layers on each sheet

Ionized air on feeder and stacker

Sheet length extension upto 1 080 mm / 42.5 in

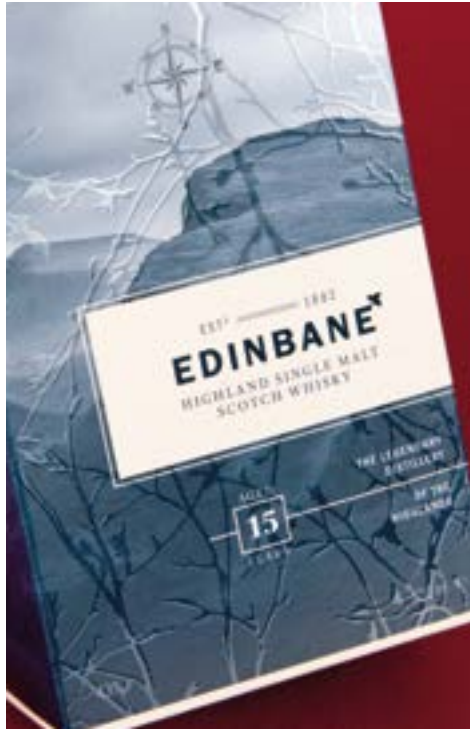
Additional modules

Digital foiling unit

High quality finishing for all kind of applications



Bookcover



Whisky package



Drink menu

dmax systems represent a milestone in the development of digital finishing by setting new benchmarks for quality, productivity, efficiency and versatility. With a performance of up to 10 000 sheets per hour dmax systems are the ideal complement for professional printers in all fields. This includes packaging and commercial printing as well as web2print and book printing. dmax systems are characterized by minimal setup times, high substrate flexibility and a fast job throughput. They maximize efficiency and allow for low production costs. Packages as well as brochures, personalized information material or even book covers can easily be refined with value adding varnish effects – whether the media have been printed on digital or offset printing machines.

Steinemann has more than 40 years of experience as a leading manufacturer of high-end finishing systems. Thus the industrial made of dmax systems stands for reliability, durability and low maintenance. dmax systems give printers a distinguishing feature and help winning new customers with innovative applications – they are the first choice for printers aiming at future-proofing their business. Even the compact entry-level model «dmax 76c» is faster and more productive than any other system on the market.

compact dmax systems cover a striking range of services:

- Spot and relief varnishing
- Haptic and matt effects
- Finest structures
- Different varnish lay downs, also on one sheet
- Individualized prints with fully variable data*
- Digital foiling*

* with respective options and modules

Technical data basic system

Substrate		SI units	US units
Sheet size (width × length) (optional)	max. min.	760 × 760 (1080) mm 290 × 310 mm	30 × 30 (42.5) in 11.4 × 12.2 in
Sheet weight		100 – 600 g/m ²	67.6 – 405.4 lbs
Sheet thickness		0.08 – 0.8 mm	0.003 – 0.03 in
Sheet type		Paper, cardboard, plastic and laminated substrates	Paper, cardboard, plastic and laminated substrates
Pile height with EURO-pallett		1 080 (940 + 140) mm	42.5 (37 + 5.5) in
Pile weight	max.	1 000 kg	2 200 lbs

Performance

Working speed (with speed upgrade optional)	variable variable	15 – 60 m/min. (15 – 100) m/min.	50 – 197 fpm (50 – 328) fpm
Sheet performance minimal format (length) (with speed upgrade optional)	max. max.	8 500 s/h (10 000) s/h	8 500 s/h (10 000) s/h
Sheet performance B2 format (with speed upgrade optional)	max. max.	6 000 s/h (8 500) s/h	6 000 s/h (8 500) s/h
Working speed with 10 g/m ² resp. 6.8 lbs UV varnish (with speed upgrade optional)	max. max.	60 m/min. (85) m/min.	197 fpm (279) fpm
Working speed with 5 g/m ² resp. 3.4 lbs UV varnish (with speed upgrade optional)	max. max.	60 m/min. (100) m/min.	137 fpm (328) fpm

Digital Inkjet Varnishing «Single Pass»

Inkjet system		UV – DoD – Inkjet – Single Pass	UV – DoD – Inkjet – Single Pass
Print format (width × length)	max.	750 × 750 mm	29.5 × 29.5 in
Resolution native		600 dpi	600 dpi
Varnish lay down	variable	4 – 50 g/m ²	2.7 – 33.8 lbs
Register accuracy		+/- 0.2 mm	+/- 0.0078 in
Varnish type		special UV inkjet varnish	special UV inkjet varnish
Print data		PDF (standard), BMP, TIFF, ...	PDF (standard), BMP, TIFF, ...

Dimensions

Dimensions (length × height × width)		8.4 × 2.6 × 2.2 m	27.6 × 8.5 × 7.2 ft
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The performance may vary with ambient conditions, humidity of the substrate, type of substrate used and working speed.
All technical data represent approximate values. Steinemann reserves the right to make mechanical and design modifications.

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