

dmaxweb

— 520 & 760 —

Digital spot and relief varnishing
for web substrates



For professional applications: for web widths from 165 to 760 mm (from 6.5 to 30 in)

With high speed: 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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Modular concept with many options



Basis system

Web guiding system, web cleaning system

Register control even without print marks at full speed

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

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

High performance unwinder and rewinder

Options

Redundant inkjet-system for higher performance

Integrated data RIP

Fully variable data for different varnish layers on each sheet

Pinhole-killer for improved varnishing results

Additional modules

Inkjet-heads for standard-compliant Braille print

Barcode-Printer for individual marking

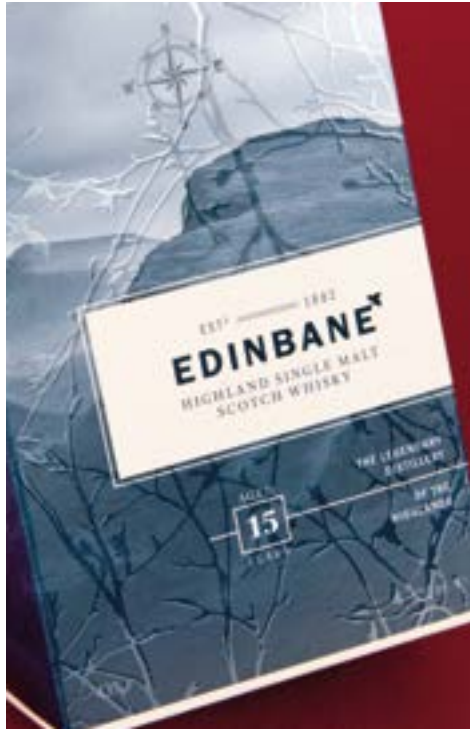
Digital foiling unit

Corona

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 100 meters per minute dmax systems are the ideal complement for professional printers in all fields. This includes packaging and commercial printing as well as web2print and label 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 adhesive labels 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.

dmax web systems cover a striking range of services:

- Spot and relief varnishing
- Haptic and matt effects
- Finest structures
- Different varnish lay downs, in one pass
- Perfect gloss even with thin layers
- Individualized prints with fully variable data*
- Individual marking with barcode*
- Application of Braille with varnish*
- Digital foiling*

*with respective options and modules

Technical data basic systems

Substrate		SI units	US units
Web width	«dmax web 520»	165 – 520 mm	6.5 – 20.5 in
	«dmax web 760»	165 – 760 mm	6.5 – 30 in
Substrate weight		50 – 300 g/m ²	33.8 – 202.7 lbs
Substrate thickness		0.05 – 0.4 mm	0.002 – 0.016 in
Substrate type		Paper, light cardboard (folding boxes), self-adhesive labels (PE/PP/papers), foils	Paper, light cardboard (folding boxes), self-adhesive labels (PE/PP/papers), foils

Performance

Working speed		10 – 100 m/min.	33 – 328 fpm
Working speed with 6.8 lbs UV varnish (with redundant inkjet system optional)	max.	60 (100) m/min.	197 (328) fpm
Working speed with 3.4 lbs UV varnish (with redundant inkjet system optional)	max.	85 (100) m/min.	279 (328) fpm

Unwinder

Roll diameter	max.	1 370 mm	54 in
Roll weight	max.	800 kg	1 764 lbs
Core diameter (optional)		152.4 (76.2) mm	6 (3) in

Digital Inkjet Varnishing «Single Pass»

Inkjet system		UV – DoD – Inkjet – Single Pass	UV – DoD – Inkjet – Single Pass
Print format (width × length)	«dmax web 520»	520 × 10 000 mm	20.5 × 394 in
	«dmax web 760»	750 × 10 000 mm	29.5 × 394 in
Resolution native		600 dpi	600 dpi
Varnish lay down (with redundant inkjet system optional)	variable	4 – 50 (4 – 100) g/m ²	2.7 – 33.8 (2.7 – 67.6) lbs
Register accuracy		+/- 0.1 mm	+/- 0.0039 in
Varnish type		special UV inkjet varnish	special UV inkjet varnish
Print data		PDF (standard), BMP, TIFF, ...	PDF (standard), BMP, TIFF, ...

Rewinder

Roll diameter	max.	1 370 mm	54 in
Roll weight	max.	800 kg	1 764 lbs

Dimensions

Dimensions (length × height × width)	«dmax web 520»	7.8 × 2.8 × 2.0 m	25.6 × 9.2 × 6.6 ft
	«dmax web 760»	7.8 × 2.8 × 2.2 m	25.6 × 9.2 × 7.2 ft

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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