# dmax

76c

## Digital spot and relief varnishing for sheet substrates


**For professional applications:** up to sheet size B2 (30 × 30 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

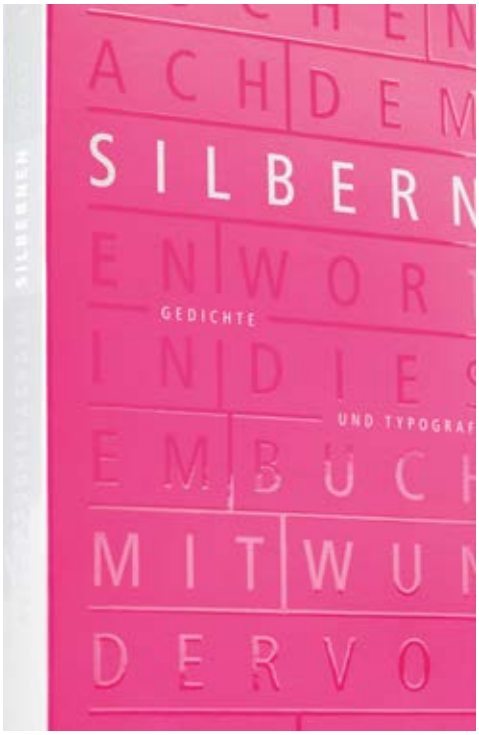
Fully variable data for different varnish layers on each sheet

Ionized air on feeder and stacker

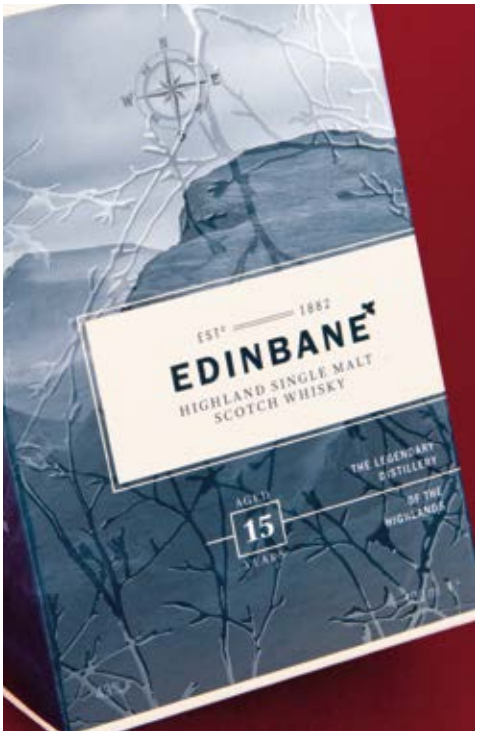
**Additional modules**

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) | max.<br>min. | 760 × 760 mm<br>290 × 310 mm | 30 × 30 in<br>11.4 × 12.2 in |
| Sheet weight | | 100 – 600 g/m² | 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<br>(with speed upgrade optional) | variable<br>variable | 15 – 60 m/min.<br>(15 – 100) m/min. | 50 – 197 fpm<br>(50 – 328) fpm |
| Sheet performance minimal format (length)<br>(with speed upgrade optional) | max.<br>max. | 8 500 s/h<br>(10 000) s/h | 8 500 s/h<br>(10 000) s/h |
| Sheet performance B2 format<br>(with speed upgrade optional) | max.<br>max. | 6 000 s/h<br>(8 500) s/h | 6 000 s/h<br>(8 500) s/h |
| Working speed with 6.8 lbs UV varnish<br>(with speed upgrade optional) | max.<br>max. | 60 m/min.<br>(85) m/min. | 197 fpm<br>(279) fpm |
| Working speed with 3.4 lbs UV varnish<br>(with speed upgrade optional) | max.<br>max. | 85 m/min.<br>(100) m/min. | 279 fpm<br>(328) fpm |

| Digital Inkjet Varnishing «Single Pass» | | | |
|---|---|---|---|
| Inkjet system | | UV – DoD – Inkjet – Single Pass | UV – DoD – Inkjet – Single Pass |
| Pront 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/m² | 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 |

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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