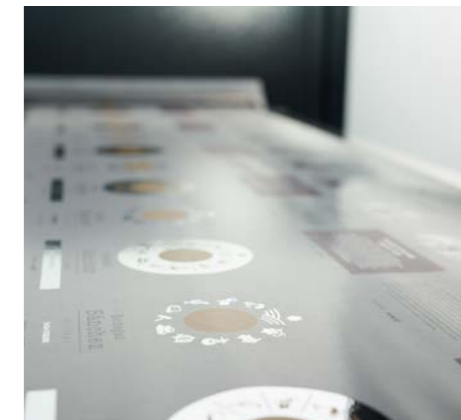




DM-UNILINER

Stand-alone metallization unit





DM-UNILINER

Universal pre- and post-print embellishment

The name says it all: Our DM-UNILINER stands for its universal applicability. The digital metallization unit, which is independent of printing systems and equipped with inkjet technology, was designed for the narrow-web sector. The special feature: metallization can be applied in pre-print or post-print processes.

The overprinting of the metallized designs or holographic structures creates a variety of iridescent color and light effects. Without influencing the production speed of your conventional or digital printing presses, the downstream metallization process enables, among other things, individualizations such as variable motifs, thus allowing the visually sophisticated late stage customization of your designs. In all cases, the decorative layer is transferred without the PET carrier remaining.

The DM-UNILINER transfer machine offers you maximum flexibility in terms of finishing time – for smooth, fast processes with low amounts of waste. Its performance and process reliability are specifically tailored to industrial requirements, so that finishing, even of the shortest runs, always remains profitable.

Real metal effects in digital printing

Our DIGITAL METAL® concept gives you the option of creating digitally printed products and packaging with real metal effects. Customized transfer systems for brilliant, high-gloss finishing give your products that special eye-catching gleam at the Point of Sale.

High gloss motifs with sharp edges

Our easy to process digital transfer products reproduce your motifs at extremely high gloss levels, with world-class resolution and razor-sharp edges. The metallization is transferred onto a digitally printed substrate and can then be overprinted easily using digital or conventional methods.

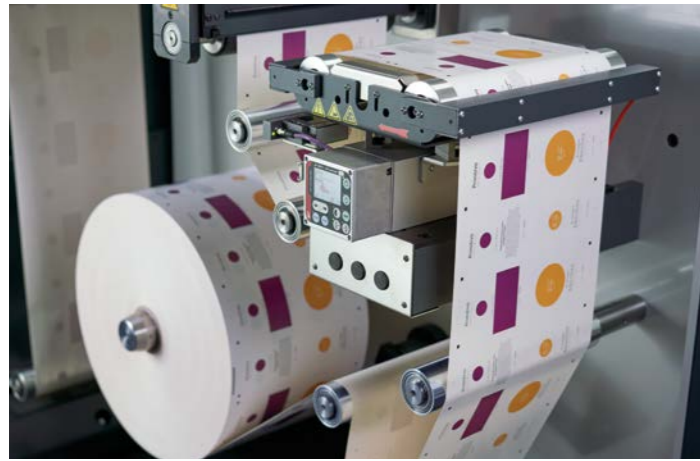
Design flexibility

Our DIGITAL METAL® concept brings you all the benefits of enhancements for your printed products while preserving your entire range of design flexibility. It represents an attractive alternative to metallized papers or cardboard, as DIGITAL METAL® is compatible with everything from partial metallization to full customization.

DM-UNILINER

Digital finishing with real metal – quick overview of features:

- For mass customization and individualization
- Customized metallic finishing for individual labels/packages or various label/package campaigns
- Attractive embellishment for small runs, special editions or different product series
- Variable data brilliantly highlighted
- Impressive high gloss effects
- Huge variety of colors and metallic shades feasible thanks to overprintability
- Almost no limits for creative design
- Last but not least: late stage customization



Unwinder

- Web edge control for high level of accuracy
- Splice table – faster and easier roll change
- Infeed unit



Inspection table

- Backlit inspection table
- Easy access for scaling and quality check



Printing unit

- Compact print engine module
- Automatic cleaning unit
- Easy accessibility

Specifications

General information

Length/width/height:	4,600 x 2,040 x 2,345 mm
Control system:	PC, PLC, touchscreen
Weight:	3,700 kg

Connection values

Electrical requirements:	Application unit: 3 x 400 V AC, 50 Hz, L1/L2/L3/N/PE, 16 A pre-fuse Substrate handling system: 3 x 400 V AC, 50 Hz, L1/L2/L3/N/PE, 32 A pre-fuse
Compressed air:	max. 6.5 bar (oil-free)

Application unit

Application width:	max. 324 mm
Application speed:	max. 75 m/min (max. feasible speed depending on substrate)
Ink type:	UV curable ink
UV-LED pinning unit:	3 watt/cm ² , adjustable by machine control, air-cooled
Print head resolution:	600 x 600 dpi
Droplet sizes:	3/7/11/14 pl
Register accuracy (in-setting on preprint):	± 0.20 mm (lengthwise and crosswise)
Outside foil diameter:	Ø max. 300 mm (11.8") foil length approx. 1,680 m (5,511 ft)
Supported substrates:	Self-adhesive labels, PP, PE and PET, coated paper
File formats:	PDF, TIFF, BMP, EPS

Substrate handling system

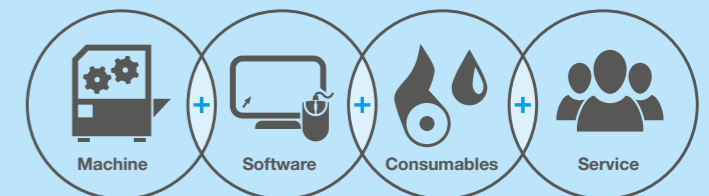
Substrate width:	150 – 350 mm
Outside diameter:	max. 800 mm
Roll weight:	max. 280 kg
Core diameter:	76 mm

All technical data are approximate.

DM-UNILINER:

The DM-UNILINER can process up to 75 roll meters per minute, enabling long running times without roll changes. The designs to be finished can be metallized either before the overprinting process or afterwards. The stand-alone unit is therefore predestined for the finishing of web labels. In addition, the KURZ Multi-Use function is also used in the DM-UNILINER: Up to 3 transfer runs are possible depending on the design – for maximum usage of the metallization layer and increased sustainability of your product.

- **Inkjet based stand-alone-solution for the narrow web sector**
- **Independent from printing system and process**
- **Transfer product and machine from one source**
- **Maximum flexibility due to pre- or post-print embellishment**
- **Metallization of pre-printed designs with register accuracy of ± 0.2 mm**
- **No deformation and therefore easy to process further**



KURZ – your one-stop solution partner

Flexible finishing and inline metallizing? With our complete solution, we achieve this with high efficiency. From the machine to the transfer foil to the ink, we offer you all components from one single source – perfectly matched to each other.

See for yourself – with our printed samples and portfolio of available shades.

KURZ worldwide

The KURZ Group is an international leader in thin-film technology and supplies products for surface finishing and decoration. With over 5,500 employees at more than 30 sites worldwide, KURZ has an international presence and manufactures under uniform quality and environmental standards in Europe, Asia and the USA. Thanks to KURZ's many years of experience and the constant expansion of our portfolio, we can offer our customers a wide range of products – and all from one source. A global network of subsidiaries, representatives and sales offices ensures short paths and individual, on-site consulting.

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Fields of expertise

KURZ is always investing in new technologies. KURZ subsidiaries develop innovative solutions for functional integrations into surfaces as well as products for labeling and counterfeit protection, along with the corresponding software. A comprehensive range of stamping presses and stamping tools rounds off the versatile KURZ product portfolio. Furthermore, KURZ subsidiaries use their expertise to provide future-oriented, custom-made complete solutions including project consultancy and machine and tool technology.

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 This document (11/2020) supersedes all previous issues.