

Brilliant digital metallization for  
sheet fed printing

**DM-SMARTLINER**



## DM-SMARTLINER – the stand-alone solution for creative metallizing results

- ▶ Customized metallic finishing for individual packaging or various packaging campaigns
- ▶ For mass customization and individualization
- ▶ 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
- ▶ Late stage customization



Sheet fed process



Flat finishing result



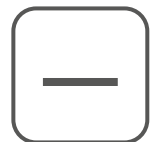
High gloss level

Standing out from the crowd, differentiating yourself from others, creating individuality — that's the goal of every brand owner. The requirements for product designs are constantly increasing: Short-lived trends, competition, and individual customer wishes require rapid adaptability and high quality standards.

Tap into completely new markets and enjoy top-class metallic decoration options with the compact DM-SMARTLINER, which will expand your range and open up new perspectives. Whether classic production or mass customization, individualization, short runs, or special editions in advertising or packaging printing — with our stand-alone solution you always remain flexible and highly efficient. Best of all, thanks to the compact operation of the DM-SMARTLINER, you can save energy and resources, and thus can improve your ecological footprint.

# Fascinating metallic effects for brilliant design on paper and cardboard





Flat finishing  
result



High gloss  
level

# Immerse yourself in the world of digital embellishment: metallic effects, deep colors, brilliant shine

Immerse yourself in the world of the transfer-on-toner digital metallization process with our compact DM-SMARTLINER, and benefit from our comprehensive DIGITAL METAL® overall concept. Experience fascinating metallic effects and high-gloss surfaces that make your products real eye-catchers, and use our innovative all-round service solution: KURZ offers you everything from a single source, from transfer product and machine to software and service – it couldn't be more convenient!







## 3 steps to success: Intelligent features, top quality, and easy operation

The compact DM-SMARTLINER stands for easy operation, intelligent features, and the highest quality. The designs to be metallized are first printed on paper or cardboard using a digital press. The desired metallization is then simply transferred to the printed design by the DM-SMARTLINER. The metallized sheets can be overprinted with colors. This allows you to design fascinating creations in first-class resolution, many colors, and deep brilliance.

Equipped with a convenient feeder for reliable sheet transport and a double-sheet sensor, the DM-SMARTLINER can be easily adjusted to different format sizes. For your convenience, you can even use the very first sheet without any additional preparation. Depending on the substrate, up to 3,100 SRA3 sheets per hour can be processed. A blower ensures optimal separation of heavier individual sheets, the IR heating system with edge zone heat reinforcement provides the best possible embossing process, and a pneumatically controlled dancer system ensures the stable and consistent feed of the transfer product. This gives you optimal and brilliant finishing results.



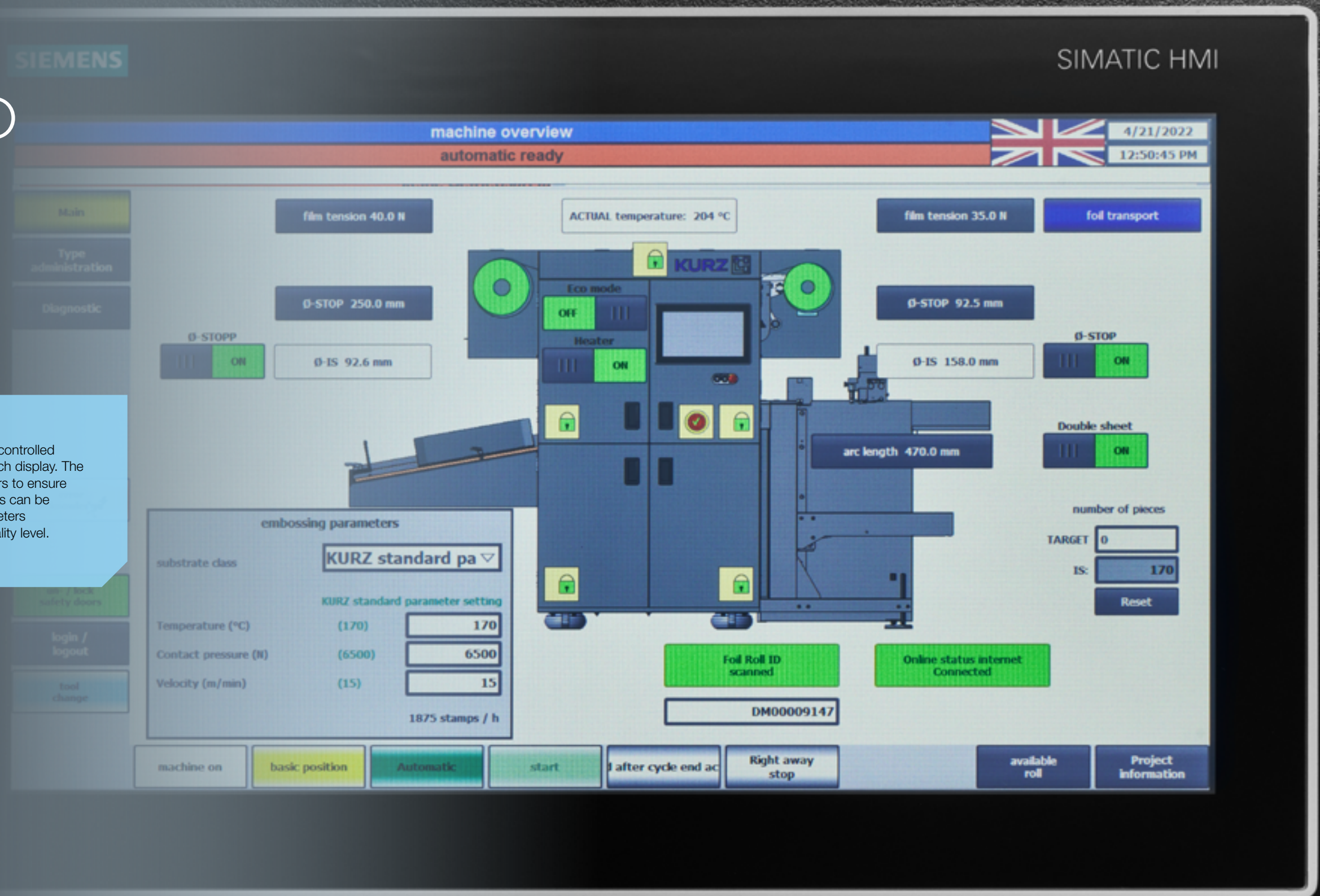
**High quality metallisation** – accurate temperature and quick warm up time using an infrared heating system in combination with a silicone stamping wheel

**Full flexibility** – after the stamping area follows a cooling section before releasing the carrier material to provide a brilliant metallization transfer for a wide range of applications



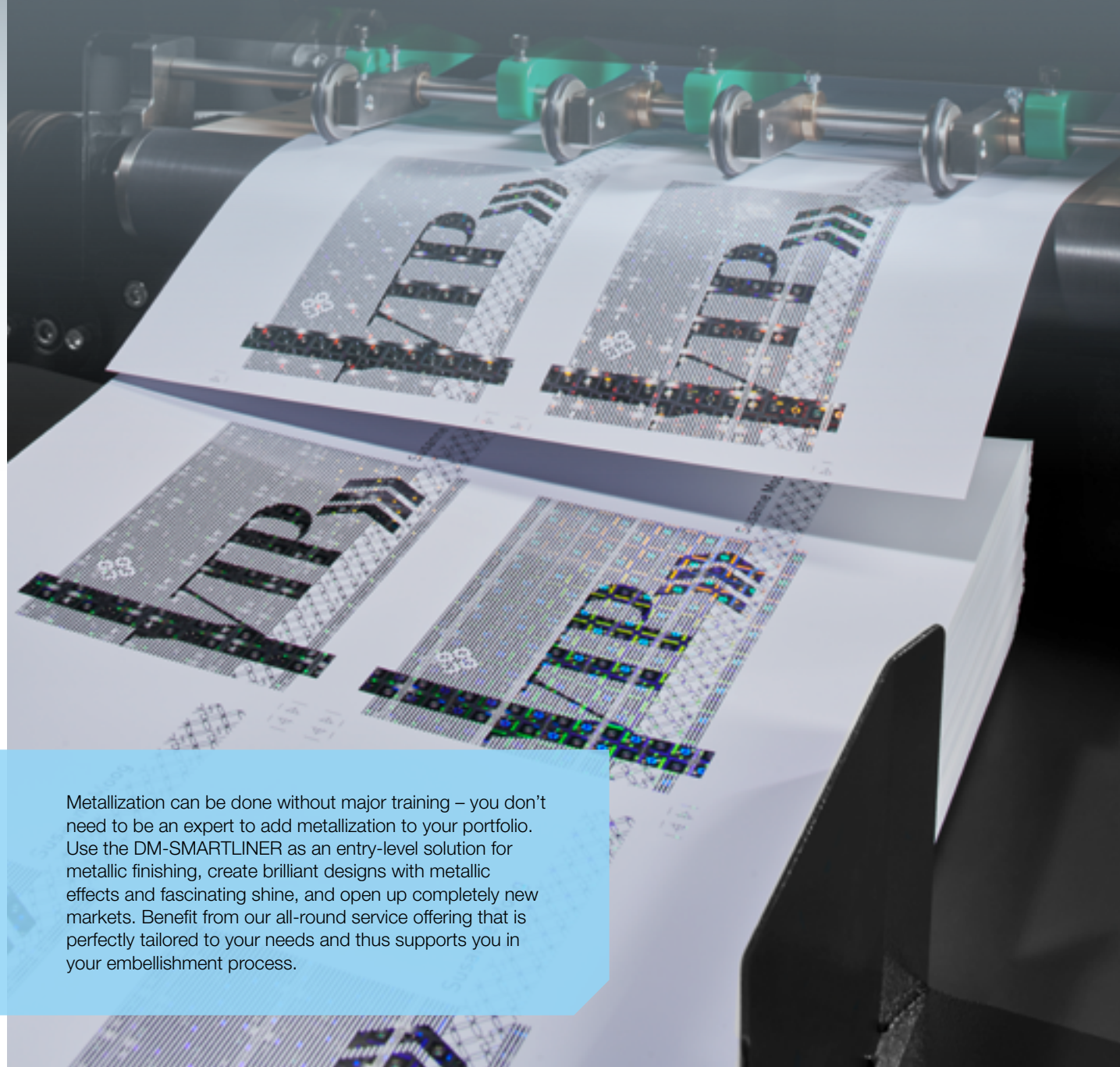
# Easy to use

The DM-SMARTLINER can be operated and controlled simply and conveniently via a high-quality touch display. The safety system monitors all machine parameters to ensure the highest process stability. Substrate classes can be conveniently stored to apply the same parameters repeatedly and ensure a consistently high quality level.





# Open up new markets with ease



Metallization can be done without major training – you don't need to be an expert to add metallization to your portfolio. Use the DM-SMARTLINER as an entry-level solution for metallic finishing, create brilliant designs with metallic effects and fascinating shine, and open up completely new markets. Benefit from our all-round service offering that is perfectly tailored to your needs and thus supports you in your embellishment process.

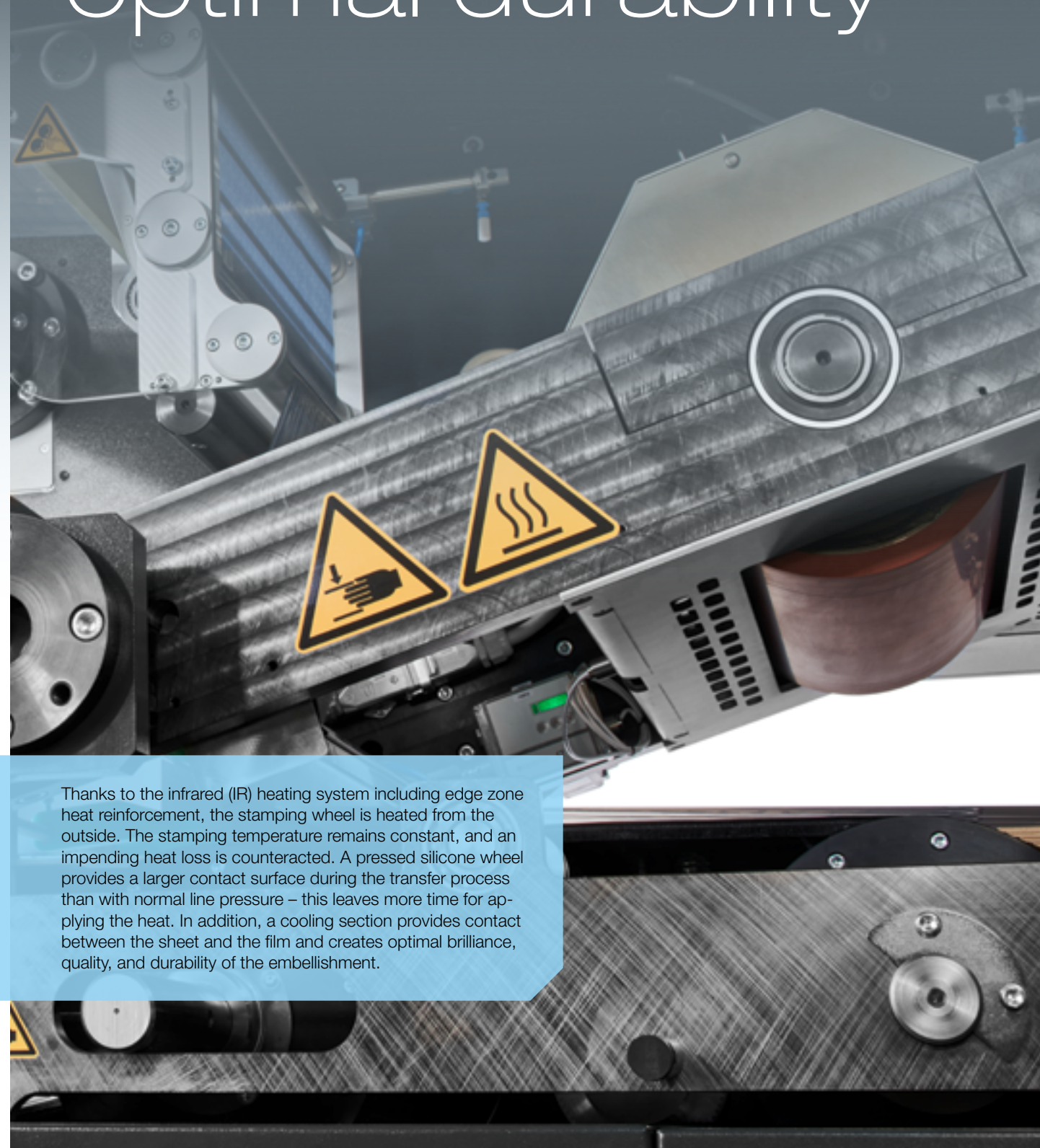
# Brilliant designs, optimal process flows



The perfect finishing result requires a stable, consistent feeding of the transfer product. With its pneumatically controlled dancer system, the DM-SMARTLINER offers a professional tension control system that provides control over all parameters required for the process and thus meets the highest demands on design and quality.



# Optimal results, optimal durability



Thanks to the infrared (IR) heating system including edge zone heat reinforcement, the stamping wheel is heated from the outside. The stamping temperature remains constant, and an impending heat loss is counteracted. A pressed silicone wheel provides a larger contact surface during the transfer process than with normal line pressure – this leaves more time for applying the heat. In addition, a cooling section provides contact between the sheet and the film and creates optimal brilliance, quality, and durability of the embellishment.

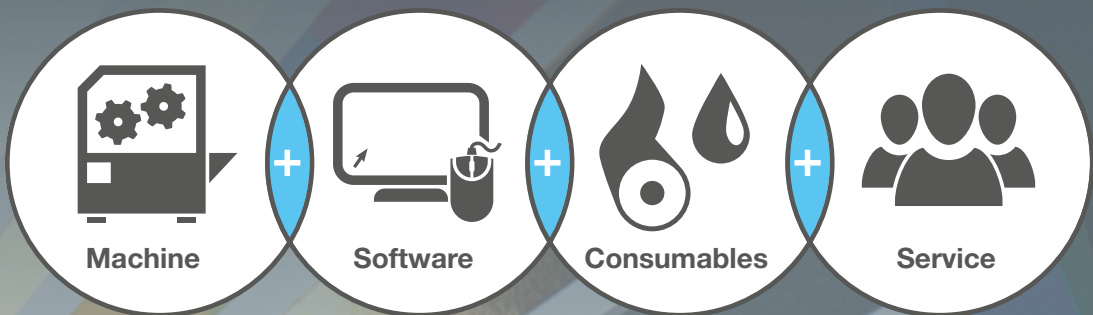
# Only pay for what you use



With the DM-SMARTLINER, you benefit from the advantages of a market-tested complete solution with optimally coordinated components. The stand-alone unit's web-based software provides an overview of your consumption and inventory of your DIGITAL METAL® transfer decorations. However, according to the pay-per-stamp principle, you only pay for what you process. We will only charge you for the transfer products that are actually used.



# KURZ – your one stop solution partner



With our complete solution, we achieve flexible metallization with high efficiency. From the machine to the transfer metallization, 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.

# A compact solution for your digital embellishment



Specifications

Stamping speed:	Mechanical speed adjustable up to 3,100 SRA3 sheets/hour
Heat output:	At 30 m/min: approx. 6 kW
Stamping temperature:	40 °C – 220 °C (IR heating system)
Electrical requirements:	400 V, 50/60 Hz, 3 phases with N, P, E, 32 A fuse, 13 kW
Compressed air:	Max. 6.5 bar (oil-free), hose size Ø = 10 mm, 750 l/min
Application width:	340 mm
Transfer foil core:	3"
Paper weights:	120 g/m² – 350 g/m²
Paper formats:	Min. 210 x 297 mm, max. 390 x 650 mm
Length/width/height:	Approx. 2.8 m/1.2 m/1.7 m

All technical data are approximate.



## 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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Lexington/New York  
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[www.kurzusa.com](http://www.kurzusa.com)

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Shanghai/Shenzhen  
KURZ STAMPING TECHNOLOGY  
(HEFEI) Co., Ltd.  
[www.kurz.com.cn](http://www.kurz.com.cn)

### Sales subsidiaries with logistic centers

**Australia**  
Sydney/Adelaide/Melbourne  
LEONHARD KURZ (Aust.) PTY. LTD.  
[www.kurz.com.au](http://www.kurz.com.au)

**Brazil/São Paulo**  
KURZ do BRASIL  
[www.kurz.com.br](http://www.kurz.com.br)

**Canada/Toronto**  
KURZ TRANSFER PRODUCTS, L.P.  
[www.kurzusa.com](http://www.kurzusa.com)

**Chile/Santiago**  
FSK S.A.  
[www.foilsk.com](http://www.foilsk.com)

**Czech Republic/Střelice u Brna**  
KURZ Czech & Slovak s.r.o.  
[www.czkurz.com](http://www.czkurz.com)

**France/Paris**  
KURZ FRANCE S.A.R.L.  
[www.kurz.fr](http://www.kurz.fr)

**Germany/Doebeln**  
KURZ TYPOFOL GmbH  
[www.kurz-typofol.de](http://www.kurz-typofol.de)

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[www.kurz.nl](http://www.kurz.nl)

**New Zealand/Penrose**  
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[www.kurz.com.au](http://www.kurz.com.au)

**Switzerland/Wallisellen**  
KURZ Schweiz AG  
[www.kurzag.ch](http://www.kurzag.ch)

**Taiwan/Taipei**  
KURZ CHEERS, Inc.  
[www.kurz.com.tw](http://www.kurz.com.tw)

**Thailand/Bangkok**  
KURZ (Thailand) Ltd.  
[www.kurz.co.th](http://www.kurz.co.th)

**Tunisia/Tunis**  
KURZ North Africa  
[www.kurz-na.com](http://www.kurz-na.com)

## 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.

**Baier GmbH + Co KG Maschinenfabrik**  
[www.baier-praegetechnik.de](http://www.baier-praegetechnik.de)

**BURG DESIGN GmbH**  
[www.burg-design.com](http://www.burg-design.com)

**Hinderer + Mühlich GmbH & Co. KG**  
[www.hinderer-muehlich.de](http://www.hinderer-muehlich.de)

**ISIMAT GmbH Siebdruckmaschinen**  
[www.isimat.de](http://www.isimat.de)

**KURZ Digital Solutions GmbH & Co. KG**  
[www.kurzdigital.com](http://www.kurzdigital.com)

**MPRINT Morlock GmbH & Co. KG**  
[www.mprint.de](http://www.mprint.de)

**OVD Kinegram AG**  
[www.kinegram.com](http://www.kinegram.com)

**PolyIC GmbH & Co. KG**  
[www.polyic.com](http://www.polyic.com)

**SCHÖFER GmbH**  
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**Steinemann DPE AG**  
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This document (04/2022) supersedes all previous issues.