Press Release

# Venturi Air Cushion Transport from Koenig & Bauer Offers Gentle and Efficient Transport of Metal Sheets in Coating Lines

* Gentle and efficient transport of metal sheets in coating lines
* High production speed and smooth sheet transport even with difficult substrates
* Smooth gliding of the metal sheets thanks to the air cushion effect

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Stuttgart, 06.03.2025  
Koenig & Bauer MetalPrint presents an innovative solution for the gentle and efficient transport of metal sheets in coating lines: the Venturi air cushion transport. This new technology was developed to maximise the productivity of coating lines and sets new standards in transport technology for metal decorating.

The system is based on an air cushion effect generated by precisely aligned air nozzles. These nozzles create a uniform air cushion on the transport table so that metal sheets glide smoothly and almost contactlessly over the conveyors. Two narrow vacuum belts ensure precise and slip-reduced movement of the sheets. This technology enables the sheets to be transferred reliably to the loading machine.

Even with demanding substrates such as scroll sheets, the system enables high production speeds and particularly smooth sheet transport. The smooth transport and synchronised transfer to the downstream transport make the entire production chain more efficient. Adjustments to different sheet sizes are no longer necessary, and set-up times when changing formats are reduced. The user-friendly design also allows for quick cleaning.

The venturi technology is available for various conveyors in coating lines, for coating machine delivery, bridge transport and for loading and unloading machines.

### Successful Field Test with Satisfied Customer Confirms Advantages of New Venturi Technology

A field test of the new Venturi technology for metal sheet processing was successfully conducted. The test included the processing of tinplate and aluminum in various formats, including straight and scroll cut sheets. It was confirmed that the Venturi technology ensures a significantly gentler and more precise feeding of the sheets compared to conventional systems. Precise sheet transportation from delivery to loading machine eliminates loading area adjustments and reduces operator intervention.

Due to the convincing results, the customer has already implemented the Venturi technology in further production lines.

With the Venturi air cushion transport, we are setting a new standard for coating lines," says Ralf Hipp, CEO of Koenig & Bauer MetalPrint. "This technology not only increases productivity, but also improves the quality and efficiency of the entire production process. We are proud to offer our customers a pioneering solution that will sustainably strengthen their competitiveness."

#### Photo:

MetalCoat 483 with venturi delivery, transport and loading machine

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#### About Koenig & Bauer

Koenig & Bauer is a globally active printing press manufacturer headquartered in Würzburg (Germany). It supplies machines and software solutions covering the entire printing, finishing and converting process, with a particular focus on packaging. Machines from Koenig & Bauer are capable of printing on practically all substrates – the portfolio ranges from banknotes to board, corrugated, film, metal and glass packaging, and includes book, display, coding, decor, magazine, advertising and newspaper printing. With a history extending back more than 200 years, Koenig & Bauer is the oldest printing press manufacturer in the world and is today at home in virtually all printing processes. Together, the group companies count a total of around 5,700 employees. Koenig & Bauer operates manufacturing plants at eleven locations in Europe, alongside a global sales and service network. The annual revenue in the 2023 financial year was around €1.3bn.

Further information can be found at [www.koenig-bauer.com](http://www.koenig-bauer.com)