

KOENIG & BAUER

# XD Pro



we're on it.

EN

# The next generation of flexible printing

Our new XD Pro results from almost 50 years' experience in the flexible market of our Italian roots, combined with German engineering at our Koenig & Bauer headquarters in Würzburg.

The XD Pro stands for "best in class and adds value for money" by combining qualifying factors such as performance reliability, process consistency and efficiency, state-of-the-art technology and extreme versatility.

The press was conceived to meet the JIT (Just in Time) market demands for more short-run production agility. It features an unrivalled ergonomic design and easy accessibility to the

print units, as well as advance automation for fast changeover times with minimum waste.

Designed to achieve cost-efficient, premium quality printing on a wide range of substrates, widths and thicknesses with both solvent and water-based inks up to 500 m/min, the XD Pro becomes the reliable production tool for added-value, sustainable printed packaging.

	Standard	Option
Number of printing units	8	10
Enhanced print features		In-line Downstream Unit
Printing width	from 1,000 mm (39.37") to 1400 mm (55.12")	
Web Width	from 1,050 mm (41.34") to 1450 mm (57.09")	
Printing repeat	from 330 mm (12.99") to 850 mm (33.46")	
Printing speed	up to max. 500 m/min (1.640 fpm)	
Materials to be printed	films (breathable, stretchable, shrinkable), laminates, paper	
Inks	Water & Solvent based	UV LED
Tension	2 – 50 daN	
Dimension machine	16.5 m x 7.8 m x 4.7 m (54.14' x 25.6' x 15.4')	
Reel diameters	1,000 mm (39.37"), 1,300 mm (51.18")	400 mm (15.75"), 1,500 mm (59.05")

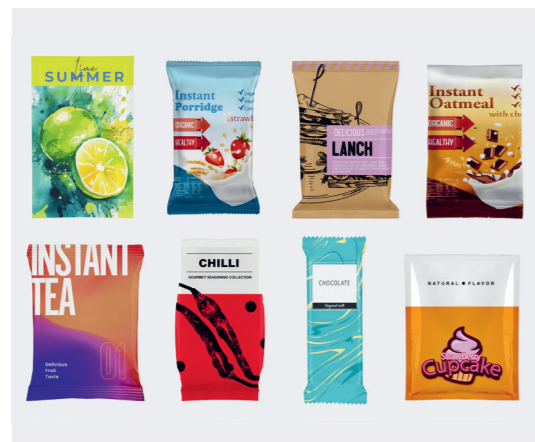
# Product application

Koenig & Bauer's cutting-edge and in-depth expertise in CI flexographic printing technology ensures high manufacturing standards and consistent durable performance with a wide range of packaging applications for the food and non-food industry.

With its wide range of printing widths and repeat lengths, the XD Pro meets all modern requirements of the most demanding package printing applications. It offers a layout solution for an infinite number of flexible and paper material products, serving end-use sectors such as:

- Food (fresh, dry, frozen, snacks)
- Beverage
- Personal care
- Household
- Industrial
- Paper bags
- Shrink sleeves
- Labels
- Decorative paper

Beyond the standard reel-to-reel configuration, the XD Pro can be equipped with a multitude of auxiliary equipment and additional technical options to adapt the press to specific production and technical requirements of each product application.



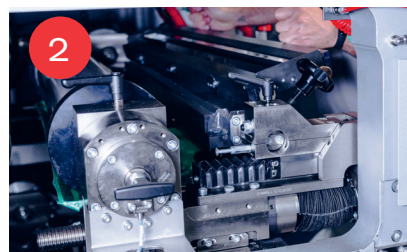
# High performance printing groups



1

### Printing Unit

- Exceptional stability in critical printing conditions
- Anti-vibration mechanical design
- Automatic opening and closing of print cylinder caps
- Wide range of substrate thickness



2

### Doctor Blade

- Newly engineered doctor blade chamber for optimized printing process and reduced waste
- Ensures consistent and stable ink delivery
- Tool-less change of blades and seals with smart cleaning in-between job changeovers
- Accurate positioning on high-precision linear guides



3

### DryTronic

- Stainless steel inter-colour drying boxes
- Compact and ergonomic design with deep-drawn circular holes for quicker cleaning and air control operations
- Highest drying efficiency by an increased air speed and reduced noise level whilst saving thermal energy consumption



4

### Drying bridge

- Modular, state-of-the-art designed and high-efficiency drying bridge
- Deep-drawn circular holes, which can be easily removed for cleaning and ensure maximum air delivery at high speeds
- "Pre-capture" hood is incorporated to eliminate fugitive emissions of solvent vapour from above the CI drum
- Improved drying performance on heavier coat weights



5

### PrintTronic

- Innovative software for automatic adjustment of the print impression settings
- Minimize material waste to assure quick and efficient production start-up
- Simplicity and accuracy on a wide range of substrates and plates
- Inbuilt into the press control system, no additional camera systems needed



6

### Ventilation system

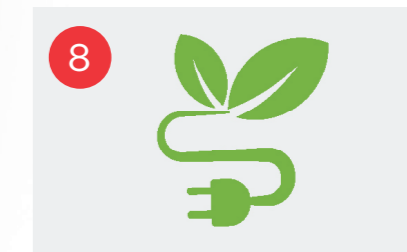
- High efficiency ventilation system
- Improved drying capacity when using both solvent and water based inks
- Air duct positioning guarantees a perfect distribution of the air across the web widths at high speed



7

### Control panel

- Intuitive graphic driven interface
- Operator-friendly HMI-design with touchscreen
- Access to all functions
- Integrated print control management
- Multilingual interface available
- Industry 4.0 ready with state-of-the-art connectivity features



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### Sustainability package

- Newly developed configuration ensure an optimized air recycling system
- Prevent unwanted air delivery and reduce thermal energy consumption
- Solvent concentration control system (LEL) or humidity control system for water based inks
- Energy saving through the latest generation electric and electronic platform



# Professional services for your XD Pro

With our broad range of services & solutions such as upgrades, retrofits, trainings, preventive services or OEM components, we maintain the efficiency of your production.

## Hybrid lines for enhanced versatility and sustainability

With the trend towards packaging recyclability gathering speed, the focus is on the design and production of the original package in a more sustainable way with thinner and more easily recyclable materials.

Koenig & Bauer's strategy Exceeding Print Strategy completely reflects the requirement of sustainable packaging. Thinner material, recycling film and simpler recycling of packaging material sets new challenges for the flexible packaging industry. The new Koenig & Bauer XD Pro enables our customers to cope with these challenges.

The modular design of the new generation, fully automatic, flexographic CI allows the combination in-line of different product printing and finishing as well as converting modules incorporating special applications and complementary printing techniques such as rotogravure, offset or digital.

Based on this modular design, our Koenig & Bauer CI Flexo presses can apply inline coatings with minimum waste, in a single pass, before printing (primer), either continuously or in register, as well as gloss and protective lacquering, on the front or back of the substrate, after printing, as required by the complex graphic structure of some packaging.

Special requirements like coatings can be addressed with our optional In-line Downstream Units.

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High quality OEM	Mechanical / Electrical	Optimised production
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Modular & Customisable	Implementation of	Preventive
<b>Service Contracts</b>	<b>Upgrades</b>	<b>Maintenance</b>



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