

KOENIG & BAUER

Belt ovens for twist-off caps



we're on it.

Koenig & Bauer Belt Ovens – The new benchmark in economy and efficiency



Achieved energy savings
up to 30%



Optimised drying solutions for twist-off caps

By studying the specific requirements of the customers, Koenig & Bauer MetalPrint has developed a new generation of cap ovens which are setting industry standards for speed, production economy, energy efficiency, curing consistency and reliability.

Via approved air flow technology, it has been possible to reduce the energy consumption by up to 30 %. Koenig & Bauer MetalPrint has also paid particularly attention to reducing condensate accumulation in all oven heating zones resulting in much lower maintenance and product spoilage.

Advantages

- Consistent curing quality at high production speeds
- Optimised energy efficiency combined with advanced air circulation and nozzle design ensures perfect curing of the products (based on 2-piece IBO-technology)
- Extremely low condensate accumulation
- Absolutely consistent temperature distribution in longitudinal and transverse direction
- Energy efficient synthetic belt
- Longterm support for efficient setup

Features

- Symmetrical exhaust ducts
- Individual zone air flow optimisation
- Variation of different control systems from basic relay control to fully integrated SPS control
- Guards and platforms according to customers and CE requirements

Technical details

- All motors have energy efficiency IE 2 (EFF1)
- High efficiency fans
- Fully welded gas-tight oven body
- 150 mm thick insulation panels
- Thermodynamically optimised recirculation fan air intake section
- Built to CE standards (if required)

Technical options

- All fans are direct driven with VFD drive
- Special designs according to customer request
- Control system according to customers requirements

Koenig & Bauer MetalPrint GmbH

Koenig & Bauer MetalPrint’s high level of competence in drying technology for the metal decorating industry results from over 80 years of experience in the field. Based on decades of innovative research and development, Koenig & Bauer MetalPrint now offers the most advanced drying technology available for 2-piece operations.



The new generation of cap drying ovens improve both curing quality and energy efficiency. Energy efficiency is the key focus of the new development. By optimisation of the oven thermodynamics, Koenig & Bauer MetalPrint has produced a range of high efficiency low maintenance ovens.



Belt ovens for cap production: Standard dimensions

Compact design

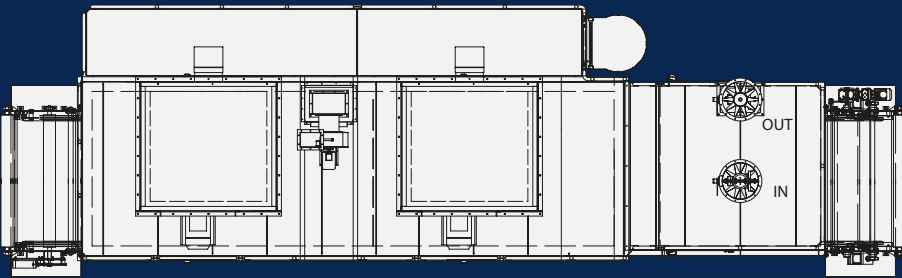
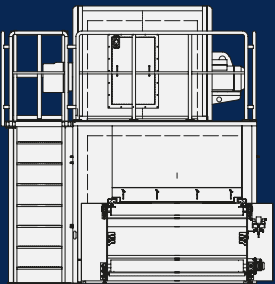
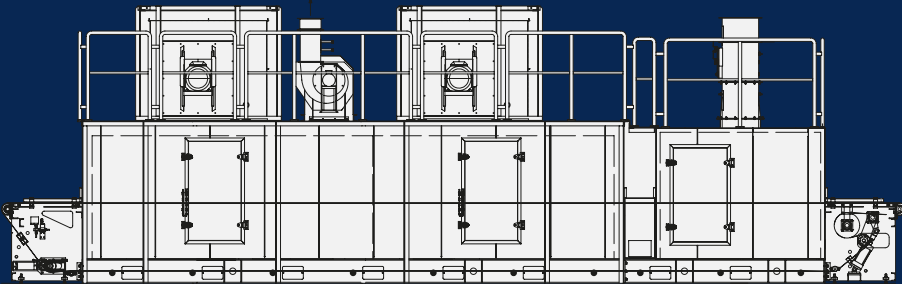
Due to its efficient design the Koenig & Bauer Metal-Print cap oven has a small footprint. Thanks to top mounted combustion chambers we can realize a symmetrical energy intake to the drying area which guarantees a consistent air and temperature distribution over the complete length and width of the oven.

Big maintenance doors in each drying zone, combustion chamber and in the cooler facilitate the

cleaning of the inside of the oven. The roof of the oven can be easily reached thanks to stairs and platforms that give access to all relevant maintenance areas.

The safety standard complies with the CE.

Koenig & Bauer MetalPrint offers standard solution or individual design according to your requirements and visions.



Oven dimensions	Cap diameter (outside) density 85%; drying time 110 s			
Belt width 1500 mm	38 mm	55 mm	63 mm	82 mm
1 Zone 4,5 m	2400 Caps/min	1250 Caps/min	875 Caps/min	520 Caps/min
2 Zones 6,5 m	3450 Caps/min	1650 Caps/min	1265 Caps/min	750 Caps/min

Other dimensions on request

The illustrations and descriptions may depict or refer in part to special versions and options. Subject to technical and design modifications. Country-specific variants may apply. More detailed information can be obtained from your local Koenig & Bauer representative.

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Based on our vast experience in the business,
we are able to audit your ovens and provide
recommendations for speed increases,
upgrades, repairs and spare parts.

Let Koenig & Bauer MetalPrint be your expert
partner, helping you to obtain maximum
economic and product quality performance.

**Koenig & Bauer MetalPrint – your partner for
drying solutions**

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