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KOENIG & BAUER | CELMACCH

Technology at a glance

Technical Data Chroma Smart

Technical Features	1700	2100	2400
Max. sheet width	1,700 mm / 66.93 in	2,100 mm / 82.67 in	2,400 mm / 94.49 in
Max. sheet length ¹⁾	1,300 mm / 51.18 in	1,300 mm / 51.18 in	1,600 mm / 62.99 in
Min. sheet length	520 mm / 20.47 in	520 mm / 20.47 in	600 mm / 23.62 in
Min. sheet width	550 mm / 21.65 in	550 mm / 21.65 in	600 mm / 23.62 in
Board level above floor	2,000 mm / 78.74 in	2,000 mm / 78.74 in	2,000 mm / 78.74 in
Substrate thickness	1 – 9 mm / 0.039 – 0.354 in	1 – 9 mm / 0.039 – 0.354 in	1 – 9 mm / 0.039 – 0.354 in
Max production speed ²⁾	9,000 s/h	9,000 s/h	9,000 s/h
Stereo thickness	range ± 0.5 mm / 0.02 in	range ± 0.5 mm / 0.02 in	range ± 0.5 mm / 0.02 in

¹⁾ without skip feed

²⁾ dependent on individual processing parameters, e.g. inks and substrates used

Our products portfolio

Technical Features	Chroma Smart	Chroma High Tech	Chroma X Pro
Available size	1,700 2,100 2,400	1,700 2,100 2,400	2,100
Max production speed	9,000 s/h	10,000 s/h	14,000 s/h
Feeder without feeding rolls			✓
Quick set up while the machine is running		✓	✓
Combination top/bottom printing	✓	✓	
Automatic register control system (longitudinal and lateral correction)	✓	✓	✓
Fully automatic register control (including skew correction)			✓
100% inline print inspection system	✓	✓	✓
Motorized skew correction system on the plate cylinder		✓	✓
Anilox roll changeover system	Manual system (1+1)	Automatic system (2+1)	Fully automatic (3+1) - in parallel -
Fully automatic change			✓

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Chroma Smart



we're on it.

Get more from your investment

Chroma Smart was developed according to the highest specifications of European quality standards. All mechanical parts are manufactured in Italy, electronic components and direct drive motors are Siemens branded. The assembly of the whole machine takes place in Italy in Celmacch's factory.

Good performances and exceptional print quality.

Within our range of high definition flexo printers, Chroma Smart represents a perfect combination of innovation and functionality.

This model was designed for those Customers searching for a solution that is not necessarily as sophisticated as Chroma High Tech, but still without quality and productivity

compromises. Its **Direct Drive technology** and vacuum belts-driven transport system ensure great printing quality and high definition. The machine is available both as **in-line** configuration (suitable to feed any flat-bed die cutter via a modern vacuum transfer) and as **off-line** with non-stop high pile stacker.

Thanks to the use of finest-quality European components, Chroma Smart ensures very high standards for durability, strength, reliability and maximum performance in the long term.



High Pile Stacker

Chroma Smart can be equipped with a latest generation high pile stacker with non-stop system. The stacker is powered by Direct Drive motor to allow quick change of the stack.

Transfer To Flat-Bed Die Cutter

Chroma Smart is fully compatible with most of the available flat-bed die cutter in the market. Koenig & Bauer | Celmacch technicians provide assistance to ensure the perfect connection between the last printing unit and the flat-bed die cutter.

Celmacch Drying System IR + Hot Air

Highly efficient drying system, which ensures a fast drying process due to the combination of the infra-red and hot air. The IR heats the sheet deep down, while hot air dries its surface, providing a double drying effect. Every dryer is divided into modules or sectors that can be activated independently for lower energy consumption. A specific laser sensor was designed to prevent possible risk of fire.

Carbon Fibre Chambered Doctor Blade System

Innovative technological solution to obtain great results with flexographic printing. Carbon fibre offers many advantages such as easy cleaning process, ink saving and anti-corrosion in the long term. Special nozzles placed inside the chamber body offer a very efficient washing process term.

Automatic Wash-Up Of The Inking System

This is an innovative and efficient system, designed to reduce water consumption and job changeover during doctor blade and ink circuit cleaning processes. PLC-control allows the setting of different washing programs (base, medium, strong) and durations. This system is equipped with peristaltic pump.

Ultra Precision Vacuum Transport

Ultra-precision vacuum transport system with direct drive motors and extremely precise driven belts. Thanks to precision engineering, these innovative transports offer the highest accuracy and a perfect register control.

Direct Drive Feeder

High precision feeder, powered by the latest Siemens direct drive motors, designed to ensure great accuracy. This feeder is equipped with lateral joggers, whose regulation is automatic, and lateral blowers, for a better feeding of minimum thickness sheets.