

Technology at a glance

Technical Data Chroma High Tech

Technical Features	1700	2100 (55")	2100 (66")	2400
Max. sheet width	1,700 mm / 66.93 in	2,100 mm / 82.67 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	1,600 mm / 62.99 in
Min. sheet length	520 mm / 20.47 in	520 mm / 20.47 in	600 mm / 23.62 in	600 mm / 23.62 in
Min. sheet width	550 mm / 21.65 in	600 mm / 23.62 in	600 mm / 23.62 in	600 mm / 23.62 in
Nominal circumference	1,397 mm / 55 in	1,397 mm / 55 in	1,676 mm / 66 in	1,676 mm / 66 in
Board level above floor	2,250 mm / 88.58 in	2,250 mm / 88.58 in	2,250 mm / 88.58 in	2,250 mm / 88.58 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	1 – 9 mm / 0.039 – 0.354 in
Max production speed ²⁾	10,000 s/h	10,000 s/h	10,000 s/h	10,000 s/h

¹⁾ without skip feed

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

Our Chroma Series

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 2,800
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	Semi automatic system (1+1)	Automatic system (2+1)	Fully automatic (3+1) - in parallel -
Fully automatic change			✓

Ready to meet the demand of tomorrow

The Chroma High Tech 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 Koenig & Bauer Celmacch's factory.

High productivity and exceptional print quality.

With a whole series of advanced technological features and functions, Chroma High Tech is among the **most innovative and state-of-the-art printers on the market**. In terms of its technological features, Chroma High Tech does not hold back: features include stereo changeover whilst the machine is running, automatic anilox changeover

and the most innovative zero-defect technology, allowing clients to achieve the **best print quality and productivity**. Its direct-drive technology and vacuum transport system driven by belts, ensure great printing quality and high definition.

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

Koenig & Bauer Celmacch S.r.l.
Via Serio 9/B
25015 Desenzano del Garda
Italy

Telefon: (+39) 320 2358718
luca.celotti@koenig-bauer-celmacch.com

www.koenig-bauer-celmacch.com

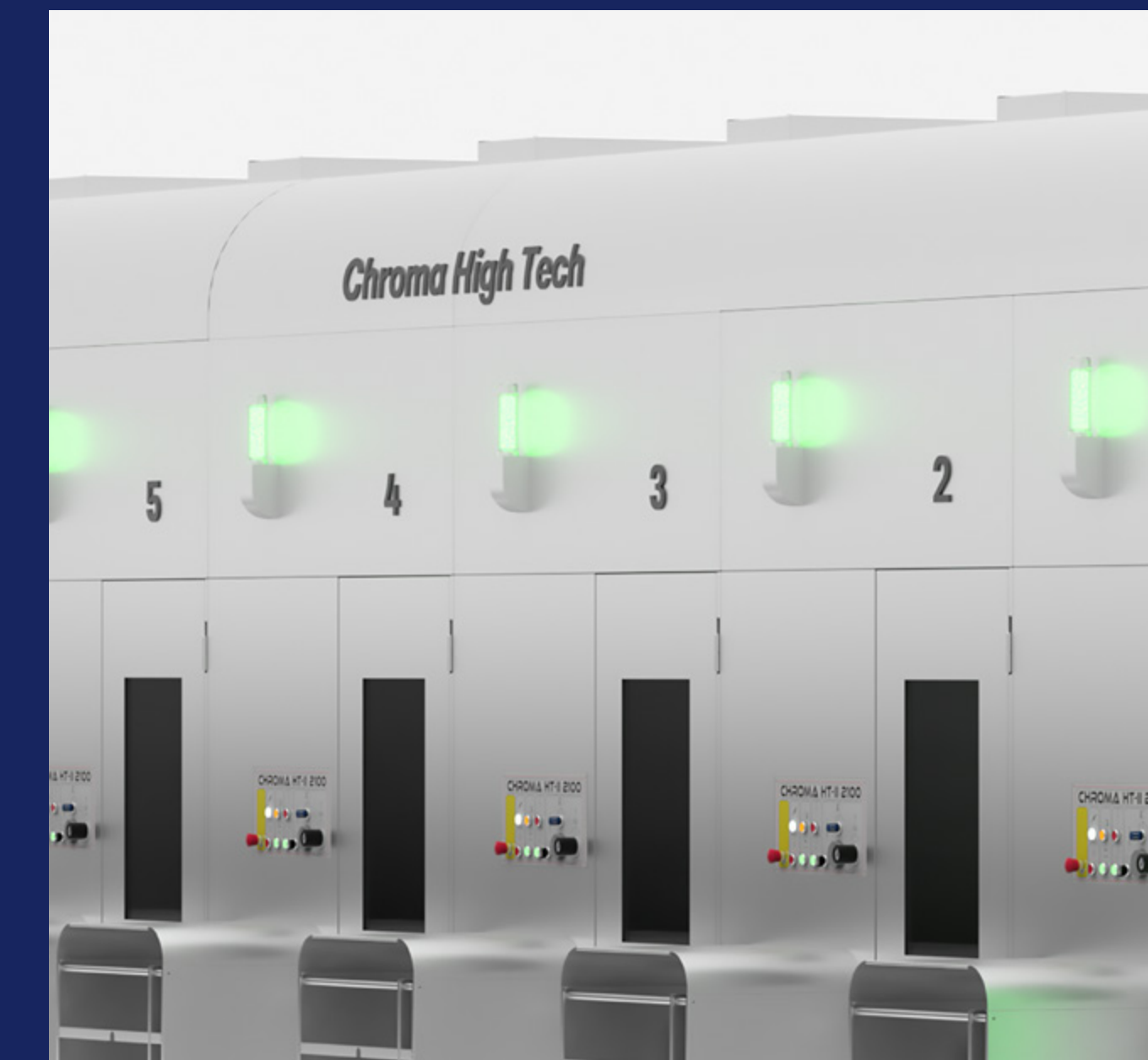
Koenig & Bauer Digital & Webfed
Friedrich-Koenig-Strasse 4
97080 Würzburg
Germany

Telefon: (+49) 931 9096603
hannah.potrava@koenig-bauer.com

www.koenig-bauer.com

KOENIG & BAUER | CELMACCH

Chroma High Tech



Any part of the text or images may only be used with the permission of Koenig & Bauer Digital & Webfed AG & Co. KG and Koenig & Bauer Celmacch S.r.l. Images may depict special configurations that are not included in the basic price of the press. The manufacturer reserves the right to make technical changes and modifications to the construction

10/2022-EN
Printed in Germany

we're on it.



Top-Vacuum Stacker

- Newly developed top-vacuum stacker
- No contact between the printed side of the board and the transport belts
- Non-stop system for uninterrupted production
- Highest production speed

Transfer To Flat-Bed Die-Cutter

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

Print Image Inspection System

High resolution camera to check printing quality by inspecting the whole surface, completely integrated with the sheet ejector system. This device controls all defects related to printing and background, register, missing text, register spots, barcode, splashes and colour variations.

Koenig & Bauer Celmach Infrared and Hot Air Drying System

Highly efficient drying system, which ensures a fast drying process due to the combination of the infrared and hot air. The infrared 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.

Quick Set-Up & On The Run Changeover

The Chroma High Tech allows a very quick changeover in order to set up the next job while the machine is still running. Changing the printing plate while the machine is in production increases productivity and reduces set-up time.

Exact Vacuum Transport

Exact 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 joggles, whose regulation is automatic, and lateral blowers, for a better feeding of minimum thickness sheets.