



Technology at a glance

Technical Data ChromaCUT High Tech

Technical Features	2100	2400	2800
Max. sheet width	2,100 mm / 82.67 in	2,400 mm / 94.49 in	2,800 mm / 110.24 in
Max. sheet length ¹⁾	1,600 mm / 62.99 in	1,600 mm / 62.99 in	1,600 mm / 62.99 in
Min. sheet length	600 mm / 23.62 in	600 mm / 23.62 in	600 mm / 23.62 in
Min. sheet width	600 mm / 23.62 in	600 mm / 23.62 in	600 mm / 23.62 in
Nominal circumference	1,676 mm / 66 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
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⁾	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 ChromaCUT Series

Technical Features	ChromaCUT Smart	ChromaCUT High Tech	ChromaCUT X Pro
Available size	2,100 2,400 2,800	2,100 2,400 2,800	2,800
Max production speed	9,000 s/h	10,000 s/h	12,000 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	✓	✓	✓
Control system for die-cutting contour			✓
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 job change			✓
Pre-settable rotary die-cutter			✓

Ready to meet the demand of tomorrow

The ChromaCUT 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.

The ChromaCUT High Tech is the new rotary die-cutter designed and manufactured by Koenig & Bauer Celmacch.

Available in the formats 2100, 2400 and 2800, ChromaCUT combines the advanced and well-proven printing technology with the **highest precision** of the rotary die cutter, in order to provide exceptional productivity in the long term. The ChromaCUT High Tech is a highly technological High-Board-Line Rotary Die-Cutter that combines direct drive

motors and a wide range of devices to ensure **efficiency and high performances in the long term**. The ChromaCUT High Tech allows the operator to set up the next job while the machine is running. It is equipped with all the features that ensure **excellent printing quality and die cutting results**. A motorized lifting device enables rolls changeover in approx. 3 minutes, in order to select the right anilox for each individual work.

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

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KOENIG & BAUER | CELMACCH

ChromaCUT High Tech



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
- Die-cutting waste dragged along by the boards
- Non-stop system for uninterrupted production
- Highest production speed

Servo-Driven Rotary Die-Cutter

The rotary die-cutter is fully servo-driven and it is developed to ensure robustness, reliability and accuracy in the long term. The rotary die-cutting unit was developed to be separated from the last printing unit in order to avoid dust contamination, which might affect printing quality. The rotary die-cutter is also equipped with a dust extractor fan to minimize the level of dust emissions.

Koenig & Bauer Celmacch 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 ChromaCUT 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 joggers, whose regulation is automatic, and lateral blowers, for a better feeding of minimum thickness sheets.