



Ready to meet the demands of tomorrow!

The name Chroma X Pro stands for a unique machine concept based on cutting-edge technologies and maximum automation in combination with simple and intuitive handling.

Delight your customers! With options such as **Print Inspection System**, **Easy Job Change** or an **Active Air Management System**, you are well prepared for the challenges of tomorrow's packaging market. End-to-end workflow digitalization optimizes production processes in your company and provides you with production and process data in real time. Individual equipment packages allow customization to meet your specific requirements.

These enable you to achieve **maximum productivity** with large-format, highly utilized sheets in **perfect print quality**. This is achieved, among other things, by high-precision sheet guidance and outstanding print quality even for the largest formats. The **Active Air Management System** gives you the additional option of processing coated sheets up to 20% faster in dryer mode and increases your productivity even further.

Thanks to **Easy Job Change** in combination with **Automatic Anilox Roll Changer** and a **Digital Workflow** at the Chroma X Pro, job changeovers are almost entirely auto-

mated; waiting times are reduced to an absolute minimum. Where you have two similar jobs, **Flying Job Change** means that even non-stop changeovers are at last reality. These options put you in a position to handle even the smallest batch sizes and to accommodate market demands for the just-in-time production of ever shorter runs.

An Active Air Management System interacts with the controls for the **20 separate drying zones per dryer** to realize significant reductions in energy consumption. BCT values are up to 15% higher when the **Non-Crush Feeder without feed rolls** is used, paying the way for reduced paper use without compromising box strength. More sustainable and cost-optimized production is your immediate benefit and gives you the assurance of being one step ahead of the market.

Technology at a glance

Technical Data Chroma X Pro

Technical Data	2,100	2,800
Max. sheet length ¹⁾	1,250 mm / 49.2 in	1,530 mm / 60.2 in
Max. sheet width	2,100 mm / 82.67 in	2,800 mm / 110.24 in
Min. sheet length	600 mm / 23.62 in	600 mm / 23.62 in
Min. sheet width	600 mm / 23.62 in	600 mm / 23.62 in
Nominal circumference	1,300 mm / 51.18 in	1,676 mm / 66 in
Board level above floor	2,250 mm / 88.6 in	2,250 mm / 88.6 in
Substrate thickness	1 – 9 mm / 0.039 – 0.354 in	1 – 9 mm / 0.039 – 0.354 in
Max. production speed ²⁾	14,000 s/h	12,000 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 feed 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 system (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 job change			✓

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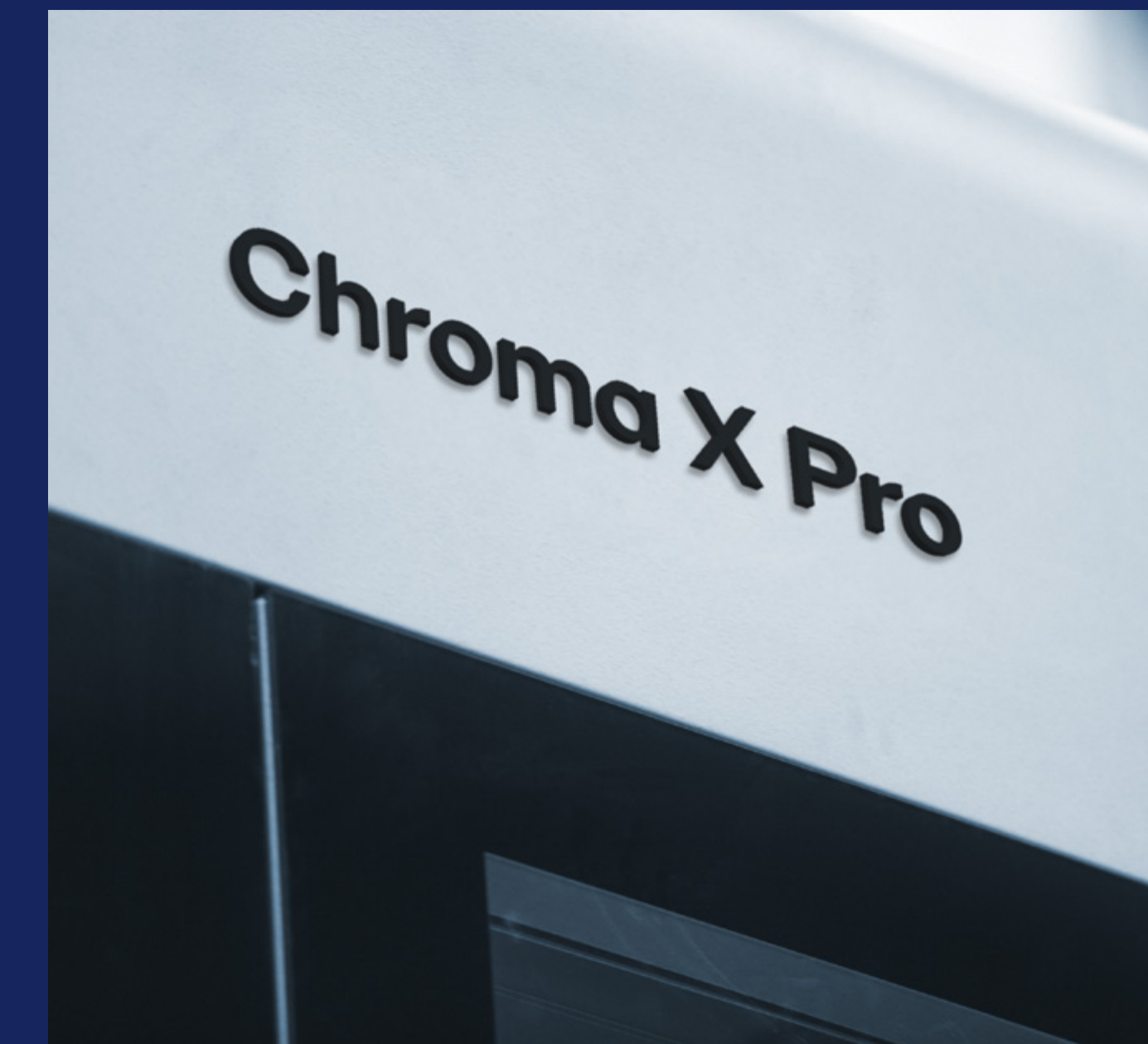
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10/2022-EN
Printed in Germany

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Chroma X Pro



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
- Overlapping shaft enables highest production speeds even at maximum format

Maximum Automation

- Fast makeready for first-time jobs thanks to the intelligent production planning system
- Advanced AutoSet system reduces machine makeready and waiting times
- Highly automated job changeovers with Easy Job Change
- Flying Job Change enables job changeovers without interrupting production
- Automatic quality monitoring systems to reduce waste

State-of-the-art Operating Concept

- Intuitive operating concept for a full overview
- Intelligent menu-based user interface
- Large user-friendly touch panels for all functions
- Innovative interfaces to the ERP system establish an end-to-end digital workflow
- Ergonomic and space-saving operation using touch panels integrated into the machine

100% Inline Print Inspection System

- 100% sheet inspection
- Comparison with a previously saved master sheet ('golden template')
- Optional sheet ejection in case of defined deviations from the master sheet
- Report generation

Dryers

- 20% higher production speed for coated materials thanks to the active air management system
- Improved moisture removal and enhanced dryer output for energy-efficient production
- Reduced energy consumption thanks to individual control of 20 separate zones for each dryer

Flexo Printing Units

- Precise sheet guiding as the basis for excellent print quality
- Diagonal register adjustment without stopping the machine
- Fully automatic register control with the AutoSet option
- Parallel washing processes and job-specific preselection of the washing programs
- Fully automatic anilox roll changes in less than 2 minutes, with no operator intervention at all

Vacuum Transport System

- Height-adjustable first roller box for perfect sheet transfer
- Minimization of the infeed gap for careful sheet handling, especially with thin corrugated materials
- Full sheet stability is retained
- No repeated stoppages and no recurring replacement costs for worn belts
- No loss of sheet control thanks to an optimized central vacuum blower
- Novel roller arrangement ensures no loss of registration
- Lead edge control system before each printing unit for maximum print accuracy

Feeder without Feed Rolls

- Sheet transport without infeed rollers prevents crushing
- No reduction of the box compression strength
- Fully automatic format changes with 15 setting motors for maximum flexibility and performance
- Problem-free sheet feeding even for fresh or coated sheets
- Side blower system to aid sheet separation at the feeder
- Separate vacuum chambers
- No-crush wheels at the outfeed
- Fully automatic/motorized sheet support