

The most **productive** cutting tables

For packaging, wide format signage
& display production



The Kongsberg C Series

KONGSBERG C

Highest performance, delivered by the industry's most solid platform

Kongsberg C Series is built for the highest performance, redefining the possibilities of digital finishing.

The Kongsberg C offers speed (100 m/min - 66 in/sec) and acceleration (up to 1.7 G) with quick and precise tool movements, making high quality digital production possible, even under the tightest deadlines.

The Kongsberg C cutting table delivers an iconic performance that is made possible by state of the art, rock solid engineering. The cutting table utilizes aerospace technology, combining an aluminum composite tabletop, a rack & pinion drive system and dynamic table mapping. These features all ensure that the table provides the greatest cutting accuracy and consistency.

Carbon composite traverse

The Kongsberg C60, C64 and C66 tables have a carbon composite traverse, which makes it possible to combine speed with quality, even while spanning 3.2 meter.

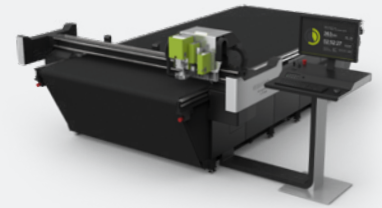
The extreme rigidity of the carbon traverse allows high speed, accuracy and a heavy payload, even when working on the most demanding materials.



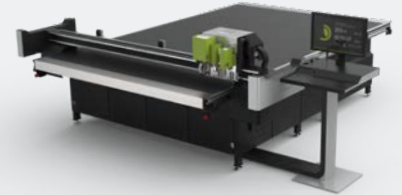
Introducing: Kongsberg C Edge

Exceptional quality at a remarkable price. Step up your productivity with its high speed (75 m/min) and acceleration (1 G), and astound your customers with impressive, high quality results and fast turnarounds.

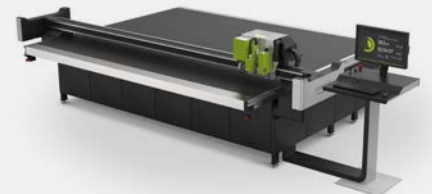
As your company grows, the Kongsberg C Edge evolves with you and can be easily upgraded in both speed and acceleration.



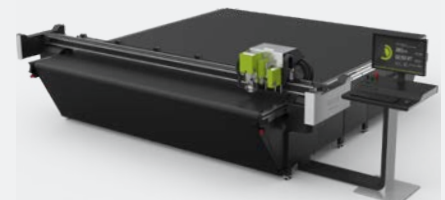
Kongsberg C24 /
Kongsbergc C24 Edge



Kongsberg C44 /
Kongsbergc C44 Edge



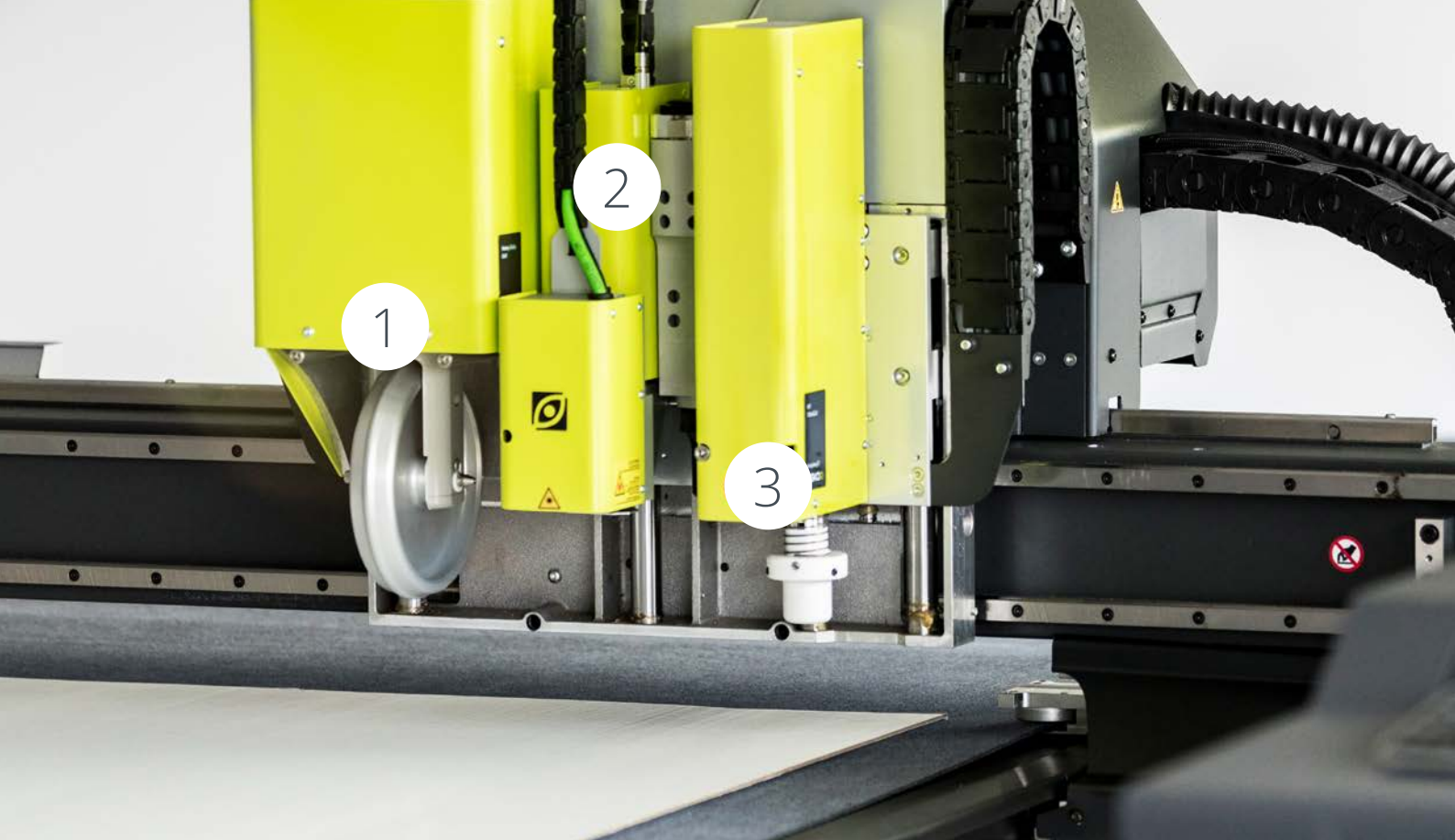
Kongsberg C60



Kongsberg C64



Kongsberg C66

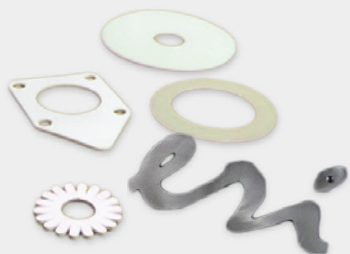


Redefining throughput with high performance tooling

The Kongsberg C performance range works with a wide variety of optional tool units. Multiple tool combinations are available during production, depending on the materials you want to process.

The tooling system includes a material thickness probe and an optional camera for registering printed and un-printed material. The Kongsberg C performance tooling increases throughput and accuracy.

2D or 3D shapes or structures in any material. Creativity is the only limit when producing on a Kongsberg C cutting table.



Rigid signage



Display



Corrugated packaging



1. Heavy Duty Tool Position

The Heavy Duty Tool can handle:

- Large-size crease wheels for recycled liners and heavy duty boards
 - V-notch inserts for triple wall corrugated, paper core boards and solid board
 - 50 kg down force for the best creasing results
- Straight-blade knife insert for long, straight cuts in heavy-duty boards
 - Crease blade insert for polypropylene boards
 - High-Power Milling Unit
 - Foam Cutting Unit

2. Insert Position

- Drill Tool Insert
 - Ballpoint Pen Insert
- FiberTip Tool

3. Fast Tool Position

High-frequency VibraCut Tool, VibraCut Tool and CorruSpeed Tool

Reciprocating and static tools for corrugated board, ranging from micro flute to triple wall, paper core boards, foamboards and thin foam panels

Hi-Force Knife Tool, Psaligraphy Tool and RM Knife Tool

Static knife tools for compact materials; paper, folding carton, solid board and synthetic sheets such as PVC, polypropylene, polycarbonate, etc.

PressCut Tool

Tool for adhesive vinyl, with programmable blade pressure

RotaCut Tool

Motor-driven, rotating knife tool for textile materials

Braille Tool

Tool for making braille signs, works together with milling tool



Folding carton



Plastic corrugated



Flexible signage

Increased throughput by smart automation

MultiZone production

MultiZone production allows you to load two sheets at the same time and maximize the production capacity on your Kongsberg cutting table without expensive automation add-ons.

The MultiZone Operation Mode enables the operator to prepare one zone while the table processes the other, with automatic change-over when one zone is completed, vastly increasing overall productivity and throughput.

An optional zone control panel may be mounted on the table's side cover, providing a time-saving way of acknowledging that the zone is ready for production and also manual vacuum hold-down control.



Barcode production

Ensures consistent production, final quality and is especially recommended when several unique jobs are lined up. The camera will read the barcode automatically and apply the correct tooling and production settings.

- QR
- Data Matrix
- Code39
- Multiple stacks support
- MultiZone support



Sheet automation

The Kongsberg Automate Board Feeder and Stacker is an easy to use pallet-to-pallet material handling solution. With a stack height at 915 mm/36 in and quick automatic load cycles it's the optimal solution for short run production in all typical packaging and display materials.

We understand that quality is paramount throughout your production. The Kongsberg board feeder eliminates the chance of damage encountered with manual handling, and ensures that the print moves to the cutting table with precision and care.





Robotic automation brings a new world of opportunities

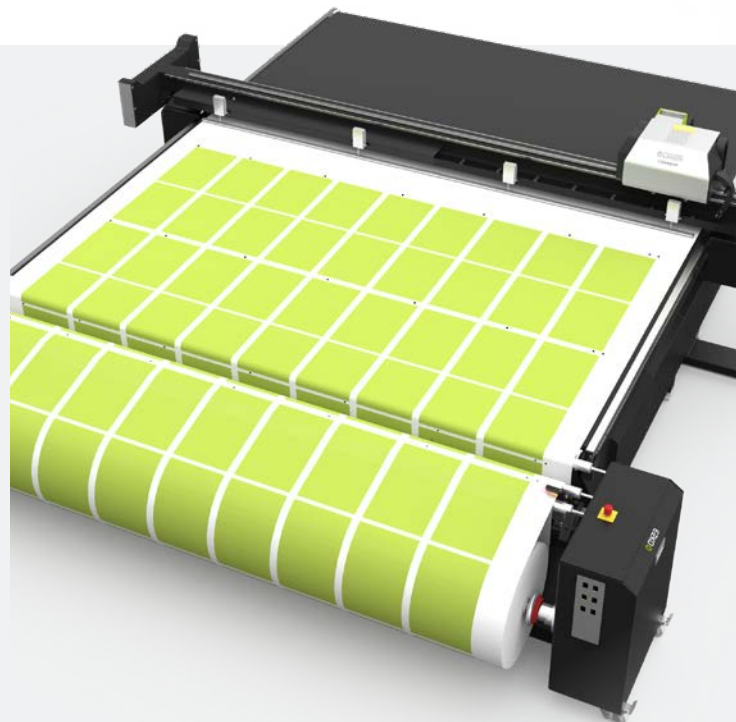
Robotic material handling brings cutting edge industrial automation to the shop floor. The robotic arm loads and unloads material automatically with perfect alignment to support pallet-to-pallet production and runs unattended.

The grippers are able to work with a wide range of materials and the cutting uptime is maximized to its full potential.

The Motorized Roll Feeder for soft signage

The roll feeder ensures consistent feeding of material onto the table's conveyor belt, even if the roll is imperfectly rewound after printing.

With capacity for large, heavy rolls and handling mechanisms for challenging substrates, the motorized roll feeder is vital to achieve uninterrupted production with high quality output.



Increased throughput by simplification

Simplifying complex operations is key to driving productivity. Kongsberg Operate solutions make the production process very straightforward. Ergonomic design provides easy access to the cutting table from all

sides, without gallows or other elements to block the operator's movements. But there is more, a series of innovative solutions makes simplification a fact in every step of the workflow.

***i*-Cut Production Console (iPC): a simplified user experience**

The iPC comes standard on all Kongsberg tables and provides graphical icon based communication and a personalized (separate login) operator interface in many languages.

iPC includes technology for smart production methods, planning, reporting and everything else needed to ensure consistent, on time production.



Quick Box

Quick Box allows operators to make any box in 3 steps. Get a quick start to a new packaging design or simply make perfectly

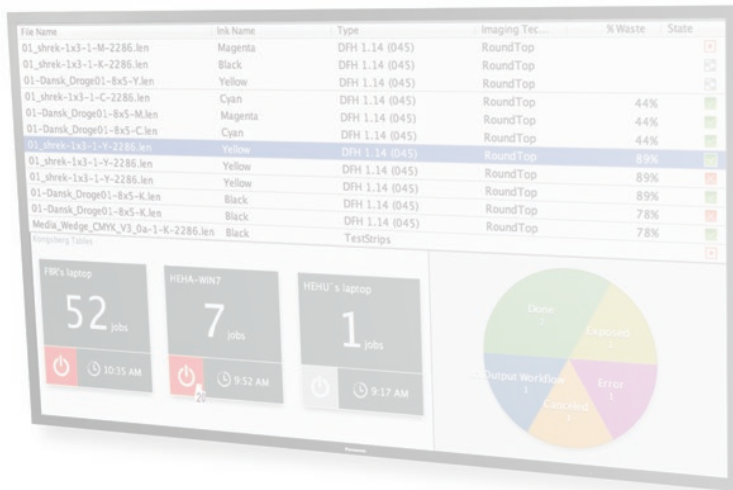
fit shipping boxes on demand. There are no CAD design skills required. Quick Box is part of *i*-Cut Production Console.

ArtiosCAD Display Store

Never say no to a request! The ArtiosCAD Store makes POP display design very simple. The store offers POP design templates that are ready to produce on a Kongsberg cutting table.

Visit esko.com/displays for more information.

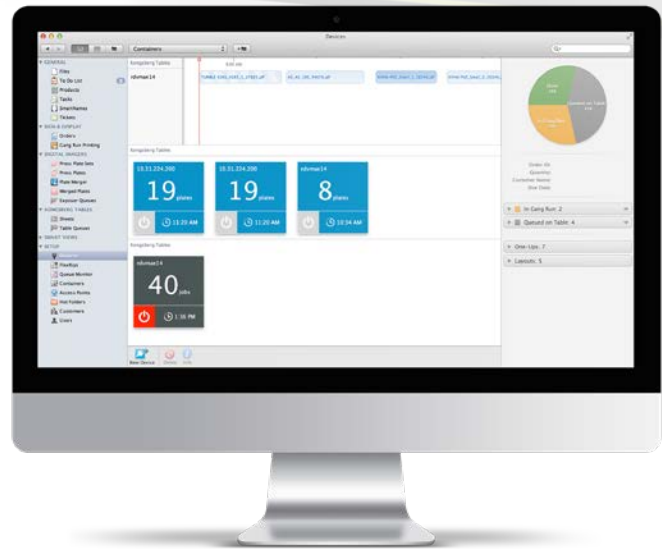




Device Manager

Device Manager offers complete visibility: it shows all ongoing jobs and lets operators distribute those to optimize the use of the Kongsberg table(s).

Device Manager helps reduce lead times, rejection rates and eliminates material waste; it allows managing short production runs intelligently and optimizes equipment output. It is an option for iPC.



Shared Resources

Simplifying is also replacing complex manual tasks with automation. The 'Shared Resources' functionality in the *i-Cut* Production Console analyzes incoming files and automatically selects the right tool, the correct table settings and the cutting sequence. The result? A fast and consistent production, no matter who operates the

table. You no longer need to wait for the most experienced operator to produce the complex jobs and ensures consistent results. With Shared Resources, you can deliver the short turnaround time your customers demand.

Keeping control in short run production

1. 3D Display Design

- POP design made easy with the ArtiosCAD Display Store
- Reduce POP display design time by 90%
- Expand your portfolio, offer profitable 3D applications

2. Approval

- Speed up customer approval cycles
- Use 3D files to communicate with customers
- Switch to virtual mock-ups and save up to 90%

3. Prepress

- Make files print-ready with dedicated sign software
- Optimal nesting, adding bleed, tiling
- Get it right the first time, no try-and-error, avoid expensive rejects

4. Estimation

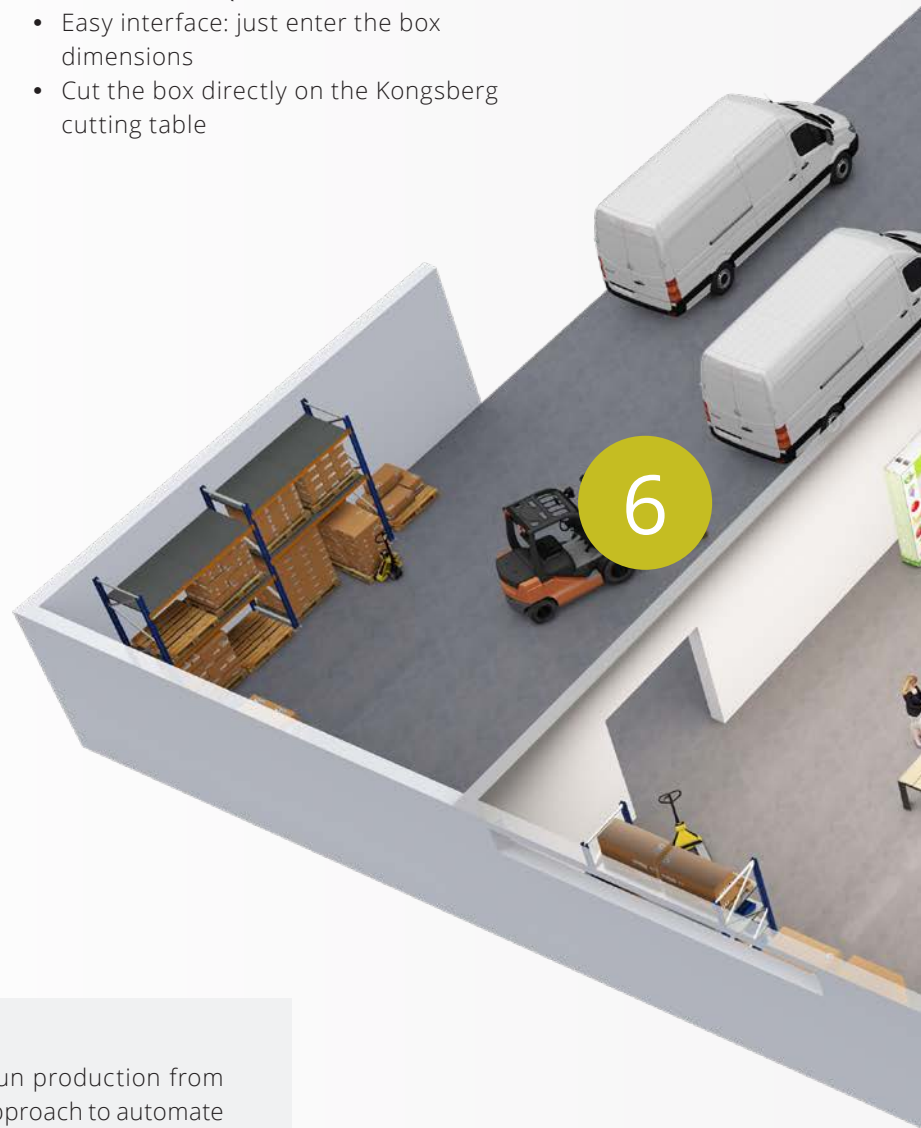
- Get a status view of your digital finishing tables from anywhere
- Automatic estimation of your jobs
- Intelligent workload balancing

5. Finishing

- Get the most out of your digital finishing equipment
- Smart technologies reduce table setup times
- Boost the throughput with integrated soft- and hardware solutions

6. Shipping

- Produce perfect shipping boxes on demand with QuickBox
- Easy interface: just enter the box dimensions
- Cut the box directly on the Kongsberg cutting table



Esko is your one stop shop for short run production from design to truck. We define the optimal approach to automate your business through integrated software and hardware solutions tailored to your needs.



Technical specifications

| | C24 | C Edge 24 | C44 | C Edge 44 | C60 | C64 | C66 | |
|---|---------------------------|---------------------------|---------------------------|---------------------------|----------------------------|--|----------------------------------|-----------|
| Work area | 1680 x 3200 66 x 126 | 1680 x 3200 66 x 126 | 2210 x 3200 87 x 126 | 2210 x 3200 87 x 126 | 3210 x 1600 126.37 x 63 | 3210 x 3200 126.37 x 126 | 3210 x 4800 126.37 x 189 | mm in. |
| Work area, MZ production, standard tabletop | 1680 x 1450 66 x 57 | 1680 x 1450 66 x 57 | 2210 x 1450 87 x 57 | 2210 x 1450 87 x 57 | n/a | 3210 x 1450 126 x 57 | 3210 x 2210 126 x 87 | mm in. |
| Work area, MZ production, MZ tabletop (optional) | n/a | n/a | 2210 x 1450 87 x 57 | n/a | n/a | 3210 x 1450 126 x 57 | n/a | mm in. |
| Max. material width, w/o conveyor feed | 1740 x 3700 68 x 146 | 1740 x 3700 68 x 146 | 2270 x 3700 89 x 146 | 2270 x 3700 89 x 146 | 3330 x 2125 131 x 83½ | 3330 x 3730 131 x 147 | 3330 x 5330 131 x 210 | mm in. |
| Max. material width, w/ conveyor feed | 1680 66 | 1680 66 | 2210 87 | 2210 - 87 | 3210 126½ | 3210 126½ | n/a | mm in. |
| Overall dimensions incl. workstation | 3600 x 3900 142 x 154 | 3600 x 3900 142 x 154 | 4100 x 3900 161 x 154 | 4100 x 3900 161 x 154 | 5100 x 2320 201 x 91½ | 5100 x 3920 201 x 154½ | 5100 x 5520 201 x 217 | mm in. |
| Overall dimensions excl. workstation | 2760 x 3900 109 x 154 | 2760 x 3900 109 x 154 | 3260 x 3900 128 x 154 | 3260 x 3900 128 x 154 | 4260 x 2320 168 x 91½ | 4260 x 3920 168 x 154½ | 4260 x 5520 168 x 217 | mm in. |
| Weight | 600 1325 | 600 1325 | 800 1760 | 800 1760 | 800 1760 | 1300 2870 | 1750 3960 | kg lbs |
| Max. speed | 100 m/min 66 in/sec | 75 m/min 49 in/sec | 100 m/min 66 in/sec | 75 m/min 49 in/sec | 100 m/min 66 in/sec | | | |
| Max. acceleration | 1.72 G | 1 G | 1.65 G | 1 G | 1.57 G | 1.57 G | 1.57 G | |
| Vacuum sections | 8 | 8 | 8 | 8 | 4 | 8 | 8 | |
| Traverse clearance (excl. cutting underlay) | 70 2.75 | | | | | | | mm in. |
| Maximum cutting / milling thickness | 50 2 | | | | | | | mm in. |
| Application kits available | Pack. Prod. Sign Prod. | Pack. Prod. Sign Prod. | Pack. Prod. Sign Prod. | Pack. Prod. Sign Prod. | Pack. Prod. Sign Prod. | Pack. Prod. Sign Prod. Robotic Autom. | Pack. Prod. Robotic Autom. | |

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