Which Kongsberg cutting table
fits you?

There is a suitable Kongsberg cutting table for every application.

A guide through the range of Kongsberg cutting tables.

ESKO✶

Introduction

There is a suitable Kongsberg table for every application

Whether your focus is on signage, packaging or displays. Whether you handle vinyl, corrugated board or wood. Adding finishing services to your portfolio distinguishes you from your competition.

If you think of a fast machine that allows precision die-less cutting, that handles a vast variety of substrates and that processes a large amount of deadline-oriented material, a Kongsberg digital cutting table is an optimal choice.

Kongsberg cutting tables bring the best quality for any job or application.

But which Kongsberg table is right for your specific business? Select an application on the next page and find out.

| What do you want to produce?

Corrugated packaging production

Display production

Flexo plates

Folding Carton Samplemaking

Corrugated samplemaking

Labels and decals

Protective packaging

Signage & small promotional items - rigid materials

Signage & small promotional items - flexible materials

Varnish blankets

I am looking for an entry level cutting table

Can't find it here

| Corrugated packaging production

Substrate	Material size	Speed range	Kongsberg table	
	3210 x 3200 mm 126.37 x 126 in.	High	C64	
	2210 x 3200 mm 87 x 126 in.	High	C44	
		Medium	X44	
	2210 x 6550 mm 87 x 258 in.	Medium	X48	
• Corrugated board from microflutes to triple wall	2210 x 4800 mm 87 x 189 in.	Medium	X46	
	1680 x 3200 mm 66 x 126 in.	High	C24, C60	
		Medium	X24	
	1680 x 2190 mm 66 x 86 in.	Medium	X22	

| Display production

Substrate	Material size	Speed range	Kongsberg table

• corrugated board
  from microflute up to
  triple wall board
	3210 x 3200 mm
	126.37 x 126 in.
		High	C64

• Paper core board
  like Re-board®,
  ALLISON board®,
  Falconboard®,
  Honeycomb
	2210 x 3200 mm
	87 x 126 in.
		High
		
		Medium
			C44
			
			X44

• Aluminum Composite Material • MDF, wood • plexiglass / acrylic • foam	1680 x 3200 mm 66 x 126 in.	High Medium Low	C24, C60 X24 X24 Sign Starter
• corrugated plastic • display board • …	1680 x 2190 mm 66 x 86 in.	Medium	X22

| Flexo plates

Substrate	Material size	Speed range	Kongsberg table
• All film-based flexographic plates from 420 x 300 mm (16" x 11") up to 1270 x 2032 mm (50" x 80")	1680 x 2190 mm 66 x 86 in.	Medium	X22
• Mylar foil for corrugated printing	1680 x 1270 mm 66 x 50 in.	Medium Low	X20 X20 Starter

| Folding carton samplemaking

Substrate	Material size	Speed range	Kongsberg table
• Folding carton • Paper • Thin, synthetic foil material sheeted	1680 x 2190 mm 66 x 86 in.	Medium	X22
	1680 x 1270 mm 66 x 50 in.	Medium	X20
		Low	X20 Starter
	800 x 1100 mm 31.5 x 43.3 in.	High	XE10

| Corrugated samplemaking

Substrate	Material size	Speed range	Kongsberg table
	2210 x 6550 mm 87 x 258 in.	Medium	X48
	2210 x 4800 mm 87 x 189 in.	Medium	X46
	2210 x 3200 mm 87 x 126 in.	Medium	X44
• Corrugated board from microflutes to triple wall • Corrugated plastic	1680 x 3200 mm 66 x 126 in.	Medium	X24
		Low	X24 Starter
	1680 x 2190 mm 66 x 86 in.	Medium	X22
	1680 x 1270 mm 66 x 50 in.	Medium	X20
		Low	X20 Starter

| Labels and decals

Substrate	Material size	Speed range	Kongsberg table
		High	C24
	1680 x 3200 mm 66 x 126 in.	Medium	X24
		Low	X24 Sign Starter
• Adhesive vinyl • Label stock sheet or roll fed	1680 x 2190 mm 66 x 86 in.	Medium	X22
	1680 x 1270 mm 66 x 50 in.	Medium	X20
		Low	X20 Starter
	800 x 1100 mm 31.5 x 43.3 in.	High	XE10

| Protective packaging

Substrate	Material size	Speed range	Kongsberg table
	3210 x 3200 mm 126.37 x 126 in.	High	C64
	2210 x 3200 mm 87 x 126 in.	High	C44
		Medium	X44
	2210 x 6550 mm 87 x 258 in.	Medium	X48
• Corrugated board • Single, double and triple wall • Honeycomb paperboard	2210 x 4800 mm 87 x 189 in.	Medium	X46
	1680 x 3200 mm 66 x 126 in.	High	C24, C60
		Medium	X24
	1680 x 2190 mm 66 x 86 in.	Medium	X22
• Cushioning foam panels typically polyethylene foam	Thickness up to 86mm		X48, X46, X44, X24, X22
	Thickness up to 50mm		C64, C60

| Signage & small promotional items - rigid materials

Substrate	Material size	Speed range	Kongsberg table
	3210 x 3200 mm 126.37 x 126 in.	High	C64
	2210 x 3200 mm 87 x 126 in.	High	C44
		Medium	X44
Rigid sheeted	2210 x 6550 mm 87 x 258 in.	Medium	X48
	2210 x 4800 mm 87 x 189 in.	Medium	X46
• Foam boards • Carton • ACM • Acrylic panels • Corrugated plastic • Paper core boards • Polypropylene • Styrene • Aluminum • … and many more	1680 x 3200 mm 66 x 126 in.	High	C24, C60
		Medium	X24
		Low	X24 Sign Starter
	1680 x 2190 mm 66 x 86 in.	Medium	X22
	1680 x 1270 mm 66 x 50 in.	Medium	X20
		Low	X20 Sign Starter

| Signage & small promotional items - flexible materials

Substrate	Material size	Speed range	Kongsberg table
	Roll width up to 3200 mm | 126.37 in.	High	C64, C60
	Roll width up to 2200 mm | 87 in.	High	C44
		Medium	X44
Flexible roll based • Polyester textiles • Other textiles • Adhesive vinyls • PVC banner material • Mesh banner material • Paper	Roll width up to 1680 mm | 66 in.	High	C24
		Medium	X24
		Low	X24 Sign Starter
		Medium	X22
		Medium	X20
		Low	X20 Sign Starter

| Varnish blankets
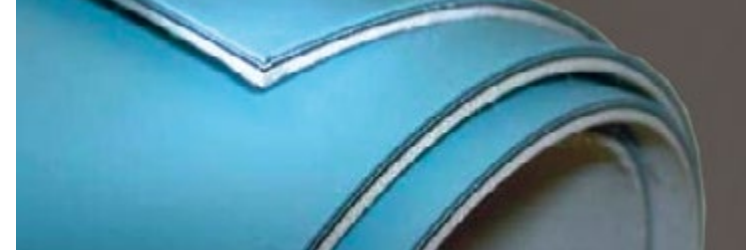
Substrate	Material size	Speed range	Kongsberg table
	1680 x 2190 mm 66 x 86 in.	Medium	X22
• Varnish blankets for offset in-line or off-line varnishing	1680 x 1270 mm 66 x 50 in.	Medium	X20
		Low	X20 Starter
	800 x 1100 mm 31.5 x 43.3 in.	High	XE10

| Can't find it here

As the preceding list is only limited by our imagination, it merely serves as an impression of application possibilities.

Esko helps you succeed

We warmly invite you to challenge us with your own ideas.

Visit www.esko.com/kongsberg or talk to one of our experts to find out which Kongsberg digital cutting table fits your business needs.

There is a suitable Kongsberg table for every application!

| The Kongsberg XE10

The Kongsberg XE10 is a table for short run die-less cutting and creasing of unprinted small format sheet materials.

Want to know more?

Learn more about the benefits and the features of the Kongsberg XE10 on www.esko.com/kongsbergxe.

Space efficient footprint
The Kongsberg XE10 has a space-efficient, small footprint. Its work area measures 31.5" x 43.3" / 800 mm x 1100 mm. It can accept materials as large as 39.4" x 59.1" / 1000 mm x 1500 mm.

Extensive tool range
The Kongsberg XE10 features a tooling system which has been modified to satisfy folding carton requirements - and is fast to install and maintain.

Rack-and-pinion drive system
Assisted by a rack-and-pinion X / Y drive with precise motion control, a fast servo system, the Kongsberg XE10 tables deliver high operational speed and precision — with easy operation.
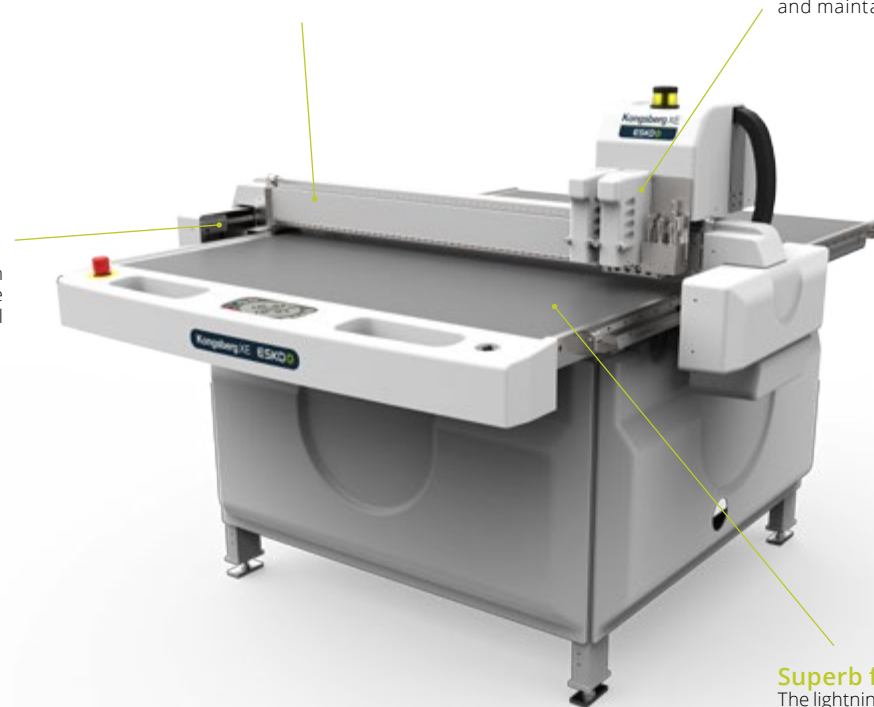
Superb finishing quality
The lightning-fast motion, combined with superb accuracy, increases finishing productivity and quality. The tooling system was designed for fast, trouble-free tool exchanges or replacement.

| The Kongsberg X Starter

The Kongsberg X Starter comes with fixed application bundles, depending on the type of applications you wish to handle. The Kongsberg X Starter is based on the Kongsberg X Series and offers excellent value for money.

Want to know more?
Learn more about the benefits and the features of the Kongsberg X Starter on www.esko.com/kongsbergx

Tool inserts
Insert knife tools are available for cutting all relevant materials ranging from thin paper to synthetic sheets through heavy-duty packaging and display material. The tooling selection also includes creasing, plotting and drilling tools.

Table Mapping
Dynamic table mapping provides real-time updates to the exact field conditions. Precise automatic z-control during finishing means less damage to the underlay.

Tool exchange
Exchanging different tools is quick, tool-free and error-free because every insert is identified by a unique bar code.

i-**cut Production Console**
The front-end turns the Kongsberg X into the most flexible cutting table on the market today. The *i*-cut Production Console offers users powerful functionality for signage, display and packaging production.

iPC ensures highly efficient production along with extremely accurate print-to-cut registration. The state of the art user interface offers improved usability and there's personalized job management per operator.

To ensure perfect quality – every time - iPC gives you "shared resources", using metadata to automatically select the perfect tool for the job, to adjust the hardware and optimize the cutting sequence.

Rack-and-pinion drive system
Kongsberg's rack and pinion drive system support balances raw power and the finest axis control. The result is speed, durability and strength.

Sandwich steel construction
The Kongsberg X Starter series features the famous, rock-solid Kongsberg table-top construction that will never warp or go out of level, even after decades of heavy use. Most Kongsberg cutting tables — thousands of them — are still in operation today.
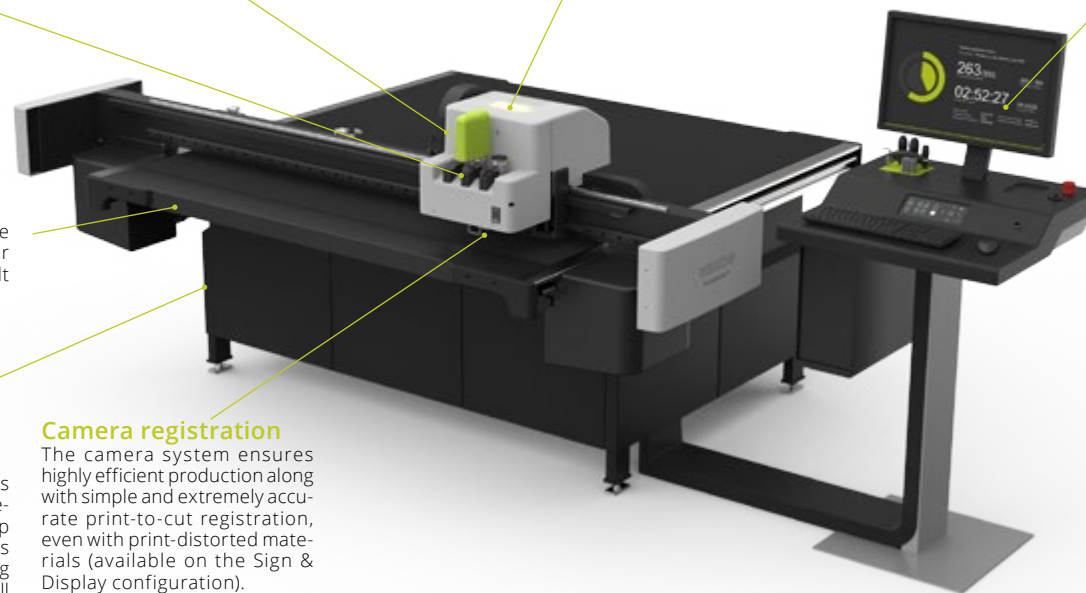
Camera registration
The camera system ensures highly efficient production along with simple and extremely accurate print-to-cut registration, even with print-distorted materials (available on the Sign & Display configuration).

| The Kongsberg X Series

The Kongsberg X offers versatility for a wide range of cutting applications. Whether your focus is 2D or 3D, or packaging, signs or displays with just about any material from vinyl over paper board to wood; the Kongsberg X is perfect for any job or application.

Want to know more?
Learn more about the benefits and the features of the Kongsberg X on
www.esko.com/kongsbergx

Table Mapping
Dynamic table mapping provides real time updates to the exact field conditions. Precise automatic z-control during finishing means less damage to the underlay.

Power
The Kongsberg X Series offers the raw strength required to process even the most rugged materials at high-production speeds. Kongsberg X tables will keep on going when others might quit.

Sandwich steel construction
The Kongsberg X series features the famous, rock-solid Kongsberg tabletop construction that will never warp or go out of level, even after decades of heavy use.

Tool exchange
Exchanging different tools is quick and error-free, because every insert is identified by a unique bar code. Specific tuning parameters are stored to avoid expensive operator errors.

Toolheads
A set of advanced, quick change toolheads provides unsurpassed versatility, making it easy to set up the machine to process any material for just about any application.

Device Manager
The Device Manager gives you the power to reduce lead times, manage short production runs intelligently, eliminate material waste and optimize equipment output.

i-cut Production Console
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To ensure perfect quality – every time - iPC gives you "shared resources", using metadata to automatically select the perfect tool for the job, to adjust the hardware and optimize the cutting sequence.

Tool inserts
Insert knife tools are available for cutting all relevant materials ranging from thin paper over synthetic sheets to heavy-duty packaging and display material. The tooling selection also includes creasing, plotting and drilling tools.

Milling
Kongsberg X tables can be configured for milling applications ranging from sporadic, light-duty routing to lengthy jobs working with heavy-duty materials — all with record-breaking productivity.

Auto Tool Adjust
Auto Tool Adjust (optional) is a unique technology providing automatic tool calibration: tooling always runs with perfect alignment at high processing speeds.

Rack-and-pinion drive system
The rack-and-pinion drive system provides speed, durability and strength, drives through dense/thick materials with ease.
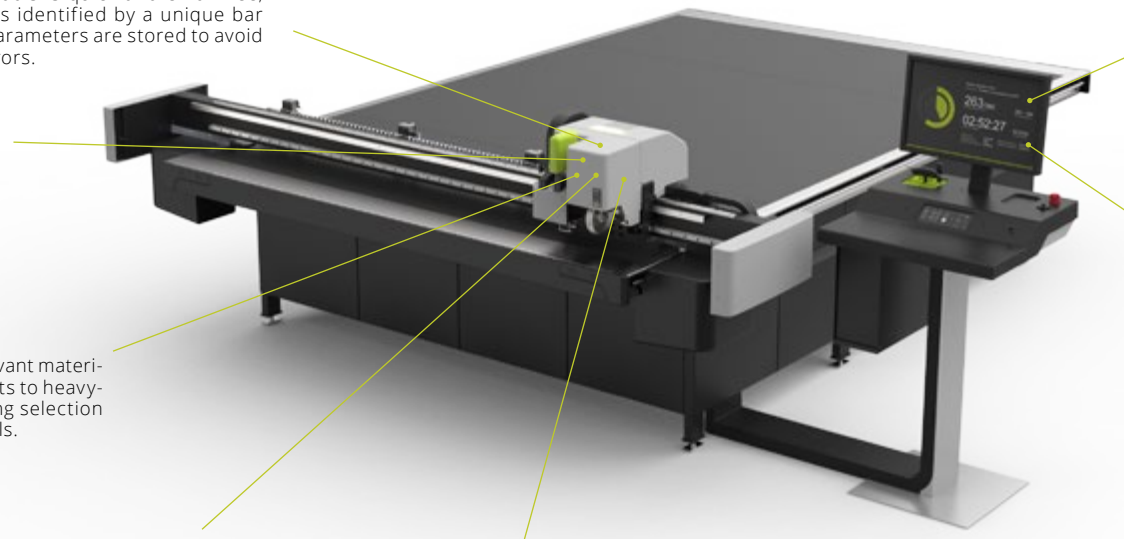
| The Kongsberg XP Auto

The Kongsberg XP Auto is your utmost working horse, designed to take on unsupervised full-time production. The Kongsberg XP Auto is the perfect complement to a wide format digital printer, offering a full digital production workflow.

Want to know more?
Learn more about the benefits and the features of the Kongsberg XP Auto on www.esko.com/kongsbergxpauto

The cutting station
is where the sheets are processed. It consists of a vacuum bed with up to eight zones to ensure positive material hold-down on different material sizes.

The System Status Lamp
quickly shows the state of the machine (Running - Stopped - Error condition)

The XP tooling is mounted on two different Z-axes:
one optimized for power, it can push a large-size crease wheel down with an equivalent force of 50 kg; the other optimized for speed, it moves the knife tooling up and down with blazing efficiency.

The in-stack
is based on an automatic lift table that keeps the top of the stack at a constant level. It ensures dependable sheet separation and repeatability in the sheet loading. Stacking capacity can be increased to one meter as an option.

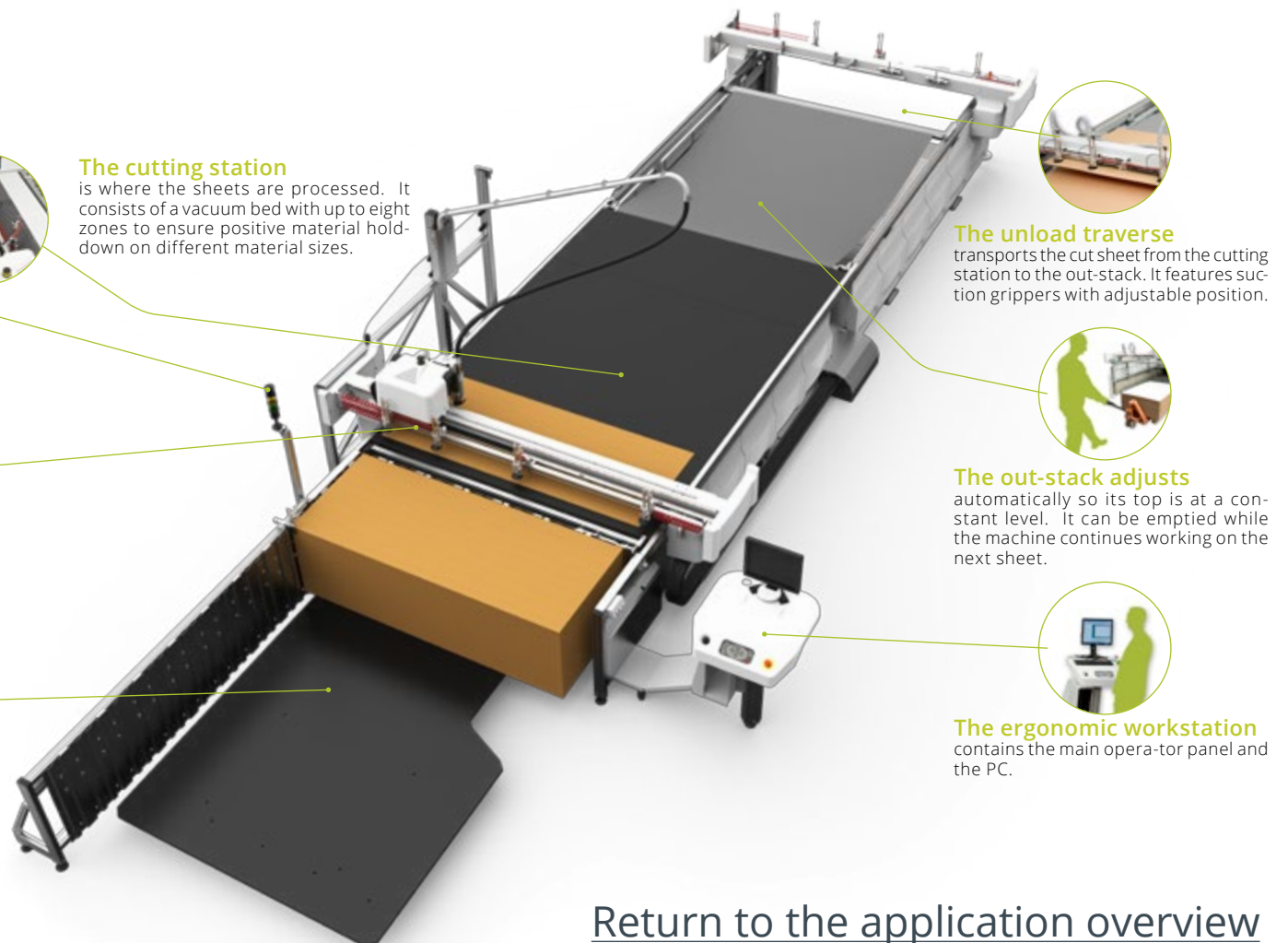**The unload traverse**
transports the cut sheet from the cutting station to the out-stack. It features suction grippers with adjustable position.

The out-stack adjusts
automatically so its top is at a constant level. It can be emptied while the machine continues working on the next sheet.

The ergonomic workstation
contains the main opera-tor panel and the PC.

Return to the application overview

| The Kongsberg C Series

The Kongsberg C is specifically designed to operate continuously in a 24/7 production environment. The machine smoothly handles all frequently used substrates, even the most rigid materials, at record breaking speed. This makes it the table of choice for all signage, display and packaging applications.

Want to know more?
Learn more about the benefits and the features of the Kongsberg C on
www.esko.com/kongsbergc

Table Mapping
Dynamic table mapping provides real time updates to the exact field conditions. Precise automatic z-control during finishing means less damage to the underlay.

Down force
The Heavy Duty Tool Unit offers 500N / 110lbs of down force, sufficient to crease even the most challenging materials.
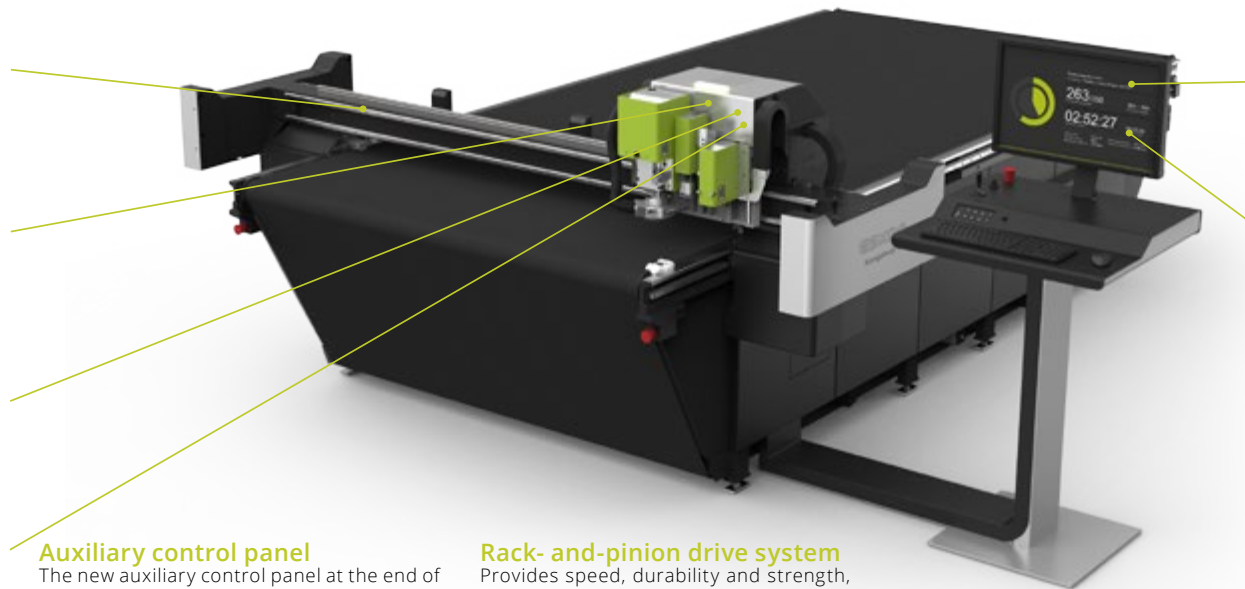
Sandwich steel construction
The Kongsberg C series features the famous, rock-solid Kongsberg tabletop construction that will never warp or go out of level, even after decades of heavy use.

Carbon composite traverse
The extreme rigidity of carbon makes the traverse capable of high speeds, accuracy and heavy payload, even when working on the most demanding materials.

Tools
A complete set of advanced, quick change tools provides versatility, making it easy to set up the cutting table to process any material.

High powered milling
Kongsberg C tables can be configured for milling applications ranging from sporadic, light-duty routing to lengthy jobs working with heavy-duty materials — all with record-breaking productivity.

Auto Tool Adjust
Auto Tool Adjust (optional) is a unique technology providing automatic tool calibration: tooling always runs with perfect alignment at high processing speeds.

Auxiliary control panel
The new auxiliary control panel at the end of the traverse offers easy access for the operator, speeding up production.

Rack- and-pinion drive system
Provides speed, durability and strength, drives through dense or thick materials with ease.

Device Manager
The Device Manager gives you the power to reduce lead times, manage short production runs intelligently, eliminate material waste and optimize equipment output.

i-cut Production Console
The front-end turns the Kongsberg X into the most flexible cutting table on the market today. The i-cut Production Console offers users powerful functionality for signage, display and packaging production.
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To ensure perfect quality – every time - iPC gives you "shared resources", using metadata to automatically select the perfect tool for the job, to adjust the hardware and optimize the cutting sequence.

| Integrated software tools maximize your productivity

Esko not only delivers the right cutting table for the right application. You can be assured that it runs smooth with the numerous productivity boosting functions.

State-of-the art front-end software

i-cut Production Console (iPC) is the next generation front-end for efficient operation of Kongsberg cutting tables.

The intuitive user interface enables the operator to monitor all aspects of the production. It prevents errors and speeds up your operation.

One table like you would have two

i-cut Production Console enables MultiZone production.

With the surface of the Kongsberg table virtually divided into two or more zones, production can take place in one zone, while the operator offloads finished jobs and replaces material in the other zones.

Boost your digital finishing with Device Manager

Device Manager is the ultimate smart management tool to run your production floor.

Through the intuitive interface you follow job status, prioritize jobs in the queue, insert rush jobs and balance workloads between all connected devices.

| Integrated software tools maximize your productivity

Optimize your large format printing workflow

Eliminate errors, save time and reduce waste with *i*-cut Suite.

i-cut Suite is a collection of pre-production software, specifically addressing users of large format digital printers and/or digital finishing systems.

i-cut Suite tackles all bottlenecks in your workflow. From preflighting PDF files, over preparing graphics and creating layouts, to printing and finishing in perfect registration. *i*-cut Suite streamlines every step of the way.

Automate prepress production

Automation Engine allows you to automate your entire prepress production process.

This not only speeds up the process, but also highly reduces the error rate and the need for operator intervention.

Produce your own packaging and displays

ArtiosCAD is the world's leading structural design solution for packaging and displays.

With ArtiosCAD you create accurately fitting packaging around a product model in minutes.

ArtiosCAD makes the design of displays a lot easier too. Start from scratch with your own ideas or use an extensive library of para-metric rebuildable design templates.

The online ArtiosCAD Display Store gives you an even bigger range of production ready design templates.
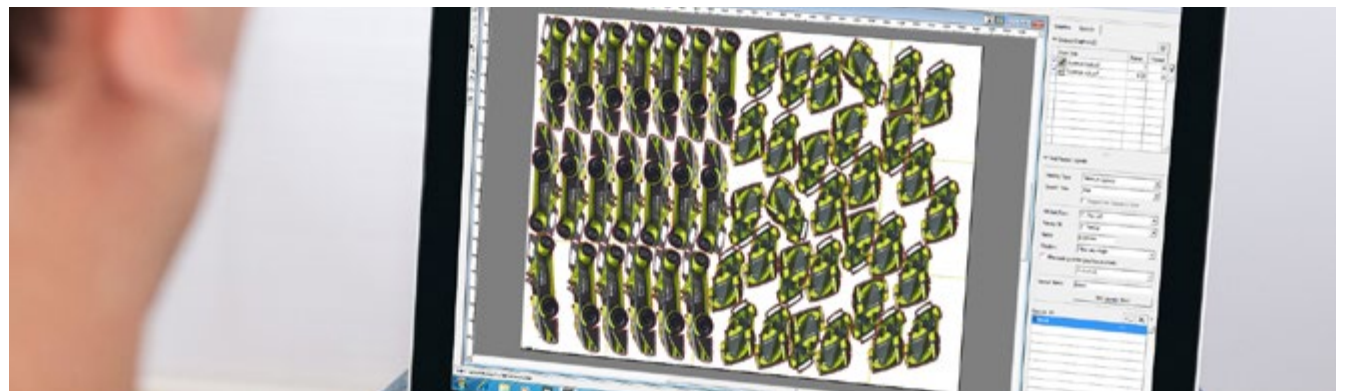
| Order bits and blades 24/7

Once it becomes clear which Kongsberg cutting table best fits your business needs, you can easily find and order the correct bits and blades for it at the Esko Store.

Intelligent Bits & Blades finder

By entering your type of Kongsberg table and the material you want to work with the bits and blades finder will offer you the most appropriate bits and blades for your application.

Quick repeat orders

The Esko Store keeps track of your configuration and makes repeat orders a breeze.

World wide available 24/7

The Esko Store is easy to use and available 24/7. Your orders are shipped directly from warehouses on all continents around the globe.

One stop shop

The Esko Store is a one stop shop for all your Kongsberg needs, providing a wide choice of accessories to meet your Kongsberg cutting table's versatility.

Continuous innovation

Esko's R&D department continuously innovates on Kongsberg tools, bits, knives and blades so you always present your customers with the highest quality and the best results. All consumables in the Esko Store have been tested and approved by our R&D department.

Go to the Esko Store.

Let's talk

There is a suitable Kongsberg table for every application.

Visit www.esko.com/kongsberg or talk to one of our experts to find out which Kongsberg digital cutting table fits your business needs.

www.esko.com

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