



- Roll-To-Roll Printers
- Flatbed Printers
- Software & Finishing
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COLEX SHARPCUT SERIES DIGITAL FLATBED CUTTER

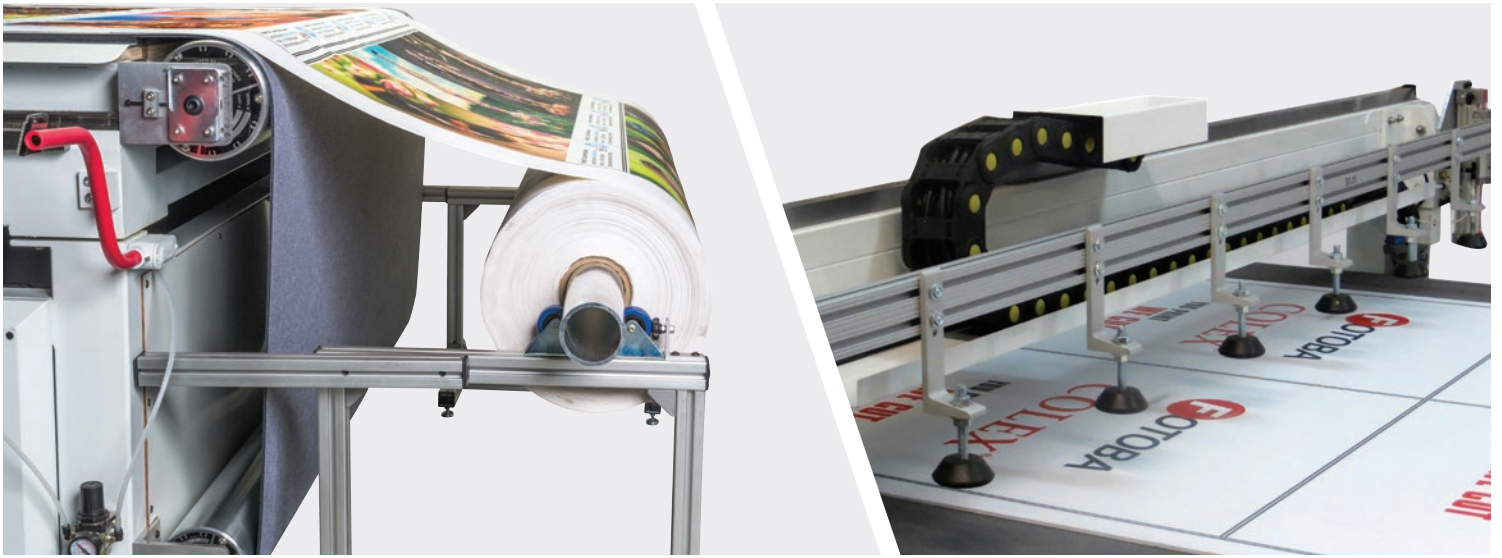
One machine, endless possibilities



Colex SX Series Digital Cutting Systems

SMART CHANGE STARTS HERE.

COLEX



COLEX SHARPCUT DIGITAL FLATBED CUTTER

Canon Solutions America provides the Colex® Sharpcut™ Digital Finishing System as an exceptionally affordable solution for those looking to grow their business. This complete turnkey solution will help automate the print service provider's workflow and reduce costs associated with the finishing process of large format goods. This will open the doors to new opportunities, reduce costs, and help increase production while tapping into new revenue streams.

Easy-to-use solution

The Colex Sharpcut is an easy-to-use cutting solution with an intuitive software platform at its core. Though competitively positioned, it is not to be underestimated for its versatility, throughput, and its ability to help you unlock the full potential of your flatbed or roll-to-roll printer. The Colex Sharpcut Finishing System, along with ONYX® software, features an automated and easy-to-use workflow solution for nesting and optimizing media. Now you can:

- Reduce costs and turnaround time on short-run applications
- Turn outsourced jobs into in-house revenue opportunities
- Decrease labor costs
- Reduce waste and increase profits

Features

The Colex Sharpcut comes in three different table sizes. The most common model is 67"x126". For smaller applications there is a 67"x67" model, and for larger applications there is a 126"x126" model and a 126"x64" model. By default, the Colex Sharpcut includes a fixed knife, an oscillating knife, and a router, allowing you to maximize the full capability of the table for a multitude of applications. Optional add-on tools are available for customization to suit your specific needs and workflow.

The Colex Sharpcut production power and quick tool change ensure on-time delivery, even for the most complex jobs. Whether the job requires cutting sheets or rigid materials, the Colex Sharpcut always delivers clean, smooth, and accurate edge quality. The gantry's X/Y axis movement is driven by a rack and pinion system that increases the longevity and endurance of the cutter when comparing it to a belt-driven system. The rack and pinion system is powered by Panasonic Servo Motors and requires minimum maintenance, driving down the cost of owning the Colex Sharpcut.

DIGITAL PRODUCTION

- **Displays and POPs:** 3-dimensional product displays by contour cutting, trimming, routing, and creasing for both rigid and flexible media
- **Packaging:** Samples for corrugated, folding carton, foam, and other packaging needs are produced easily with automatic cutting and creasing
- **Graphics:** 2-dimensional signs, decals, banners, outdoor exhibits, and intricate lettering can all be cut, trimmed, or routed within minutes
- **Textile and Fabric:** Cut textiles, fabrics, and other fibrous materials with the Colex Sharpcut's motorized fabric cutter



The Z-axis is a ball screw-driven mechanism also powered by a Panasonic Servo Motor that guarantees high performance, accuracy, and reliability.

VERSATILITY, SPEED, ACCURACY, AND AFFORDABLE PRICE

The Colex Sharpcut series offers:

- Short setup time with multi-tool head positions and modules
- Excellent throughput, productivity, and speed without sacrificing quality
- The ability to produce a wide range of applications on a variety of unique materials
- Three modules to help manage a wide range of versatile tools

VACUUM

The work surface is divided into six zones for the 67"x126" and 126"x64" models, four zones for the 67"x67" model, and sixteen zones for the 126"x126" model. Each zone has its own vacuum pump controlled by individual electrical "on/off" buttons on the front panel. The power of the pumps is configured for most substrates used in large format printing.

Vision registration system camera and software

The Colex Sharpcut is a fully integrated hardware and software solution that turns your digital cutting table into a true short-run production system. This powerful solution provides unmatched productivity by intelligently finishing your graphics with the highest accuracy and efficiency. It includes a camera system that individually adjusts your cut files to accurately match your printed graphics.

- Industry-leading vision registration
- Powerful dynamic routing
- Intuitive user interface and true production workflow
- Compatible with the industry's leading RIP and printer manufacturers
- Distortion compensation enables error-free results



CONVEYOR ROLL FEEDER

For manual and automatic feeding of flexible rolls.

Included with the SXC-1717, SXC-1732, and SX-3232C conveyor models.

Optional manual roll feeder for non-conveyor models.



TRIPLE INTERCHANGEABLE TOOLHEAD

On all the models, this 3 HP router upgrade option used for rigid media workflow comes standard with laser pointer and camera registration.

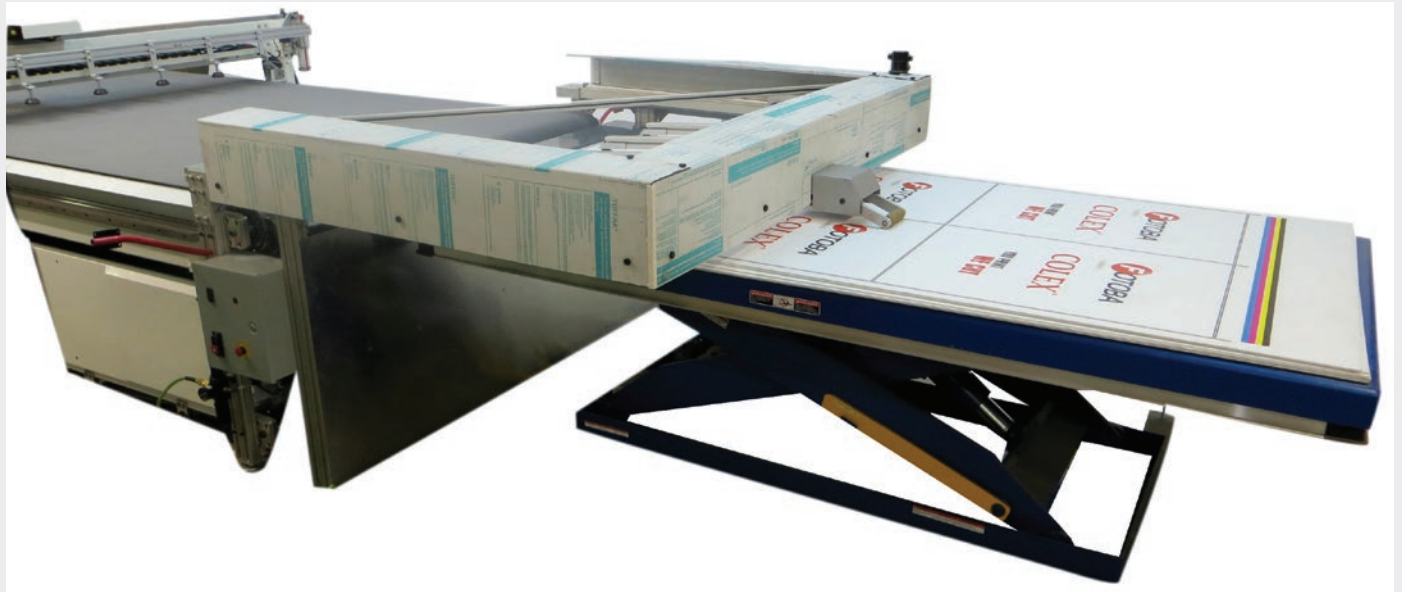
See tool options on page 5.



CLAMPING BAR

The clamping bar ensures that the material advances at the same rate as the belt while advancing down the table. The clamping bar is to be used in conjunction with either the Roll Feeder or the Automatic Board Feeder to ensure consistent material placement before cutting.

Included with the SXC-1717, SXC-1732, and SX-3232C conveyor models.



AUTOMATIC BOARD FEEDER

The automatic board feeder is designed to load semi-rigid to rigid boards from the pallet table onto the conveyor belt. It is designed to work with a large array of material sizes and thicknesses.

Option available on conveyor models only.

PALLET TABLE

When used with the Automatic Board Feeder, the pallet table will automatically maintain the material height. The pallet table drops down to 6" in height for easy loading and unloading.

Option available on conveyor models only.

TABLE SIZE	MODEL	FLOOR SPACE REQUIRED	POWER REQUIREMENTS	AIR REQUIREMENTS	WEIGHT	LENGTH x WIDTH	COLEX SHARPCUT FLATBED CUTTER FAMILY
67" x 126"	SX-1732 SXC-1732	14' x 18'	220 V, Single Phase, 40 amps, 110 V, 15 amps	60 psi, 0.25 CFM	2,950 lb. (1,338 kg)	140" (356 cm) x 84" (214 cm)	
126" x 126"	SX-3232C	18' x 20'	220 V, Single Phase, 90 amps, 110 V, 10 amps	60 psi, 0.25 CFM	6,950 lb. (3,152 kg)	146" (371 cm) x 158" (402 cm)	
67" x 67"	SX-1717 SXC-1717	14' x 14'	220 V, Single Phase, 30 amps, 110 V, 10 amps	60 psi, 0.25 CFM	2,500 lb. (1,134 kg)	84" (214 cm) x 84" (214 cm)	
126" x 64"	SX-3216	14' x 18'	220 V, Single Phase, 40 amps, 110 V, 10 amps	60 psi, 0.25 CFM	2,950 lb. (1,338 kg)	84" (214 cm) x 140" (356 cm)	

Note: Conveyor model requires 3-Phase power. Increases in length by one foot.

Optional tools for the triple interchangeable toolhead



FIXED DOUBLE-EDGE KNIFE

Used for thick vinyl foil, card stock, chip board, thick laminate, magnetic foil, membrane foil, mat cutting, and expanded PVC.



CREASING WHEEL

For folding card stock, carton, and corrugated media.



KISS-CUTTING KNIFE

Used for pressure-sensitive labels, decals, and vinyl cutting.



COROPLAST KNIFE (FOR TIGHT CURVES)

Used for Coroplast up to 1/8" material, vinyl, card stock, 1 mm corrugated, framing carton, paper stock, cartons, banner, and vinyl media.



UNIVERSAL SINGLE-EDGE KNIFE (STRAIGHT EDGE)

Used for foam board up to 1/4", 3 mm, and 6 mm Sintra.



V-CUT KNIFE

Used for triple wall corrugated up to 1/2", 90° folds, Falcon Board, and Honeycomb Board.



UNIVERSAL DRAWING TOOL

Can be used to draw or plot simple text as well as applying lines and marks with a pen. Draw in any direction, at any angle, or in a variety of thicknesses. Ballpoint refills are available in red, black, or blue.



PERFORATING WHEEL

Used to create a tear line in paper, vinyl, card stock, or carton.





STANDARD ROUTER SPINDLE, 1.3 HP

Debris Extraction System—1.3 HP, 24,000 rpm.



HEAVY DUTY ROUTER, 3 HP

Router Spindle—3 HP, 24,000 rpm with debris extraction.



HEAVY DUTY ROUTER, 5 HP

Router Spindle—5 HP, 24,000 rpm with debris extraction.



OSCILLATING KNIFE, STANDARD, 1.5 MM STROKE

Used to cut media such as corrugated stock, thicker grades of foam board, Honeycomb Board, Styrofoam, and more.

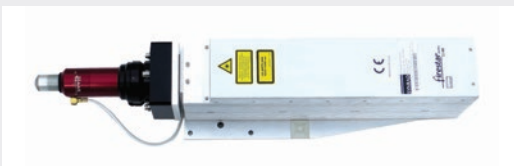
OSCILLATING KNIFE, SPECIAL, 3 MM STROKE

Specially designed to cut foam media from 1" to 2" thick.



ROTARY KNIFE, MOTORIZED

This tool utilizes a 10-sided cutting wheel to cut textiles, fabrics, and other fibrous materials. The cutting wheel rotates to glide through these materials, producing a clean cut at high rates of speed.



LASER

Laser for textiles/fabrics, acrylics, wood, and more (40 watt Synrad).

LASER OPTION

Even more versatility with our textile laser cutter option! Synrad Laser 40 watt, air cooled, CO2 for textiles, fabrics, acrylics, wood, and more.

The Colex Sharpcut can handle all of a PSP's finishing needs with a single solution at an affordable price.

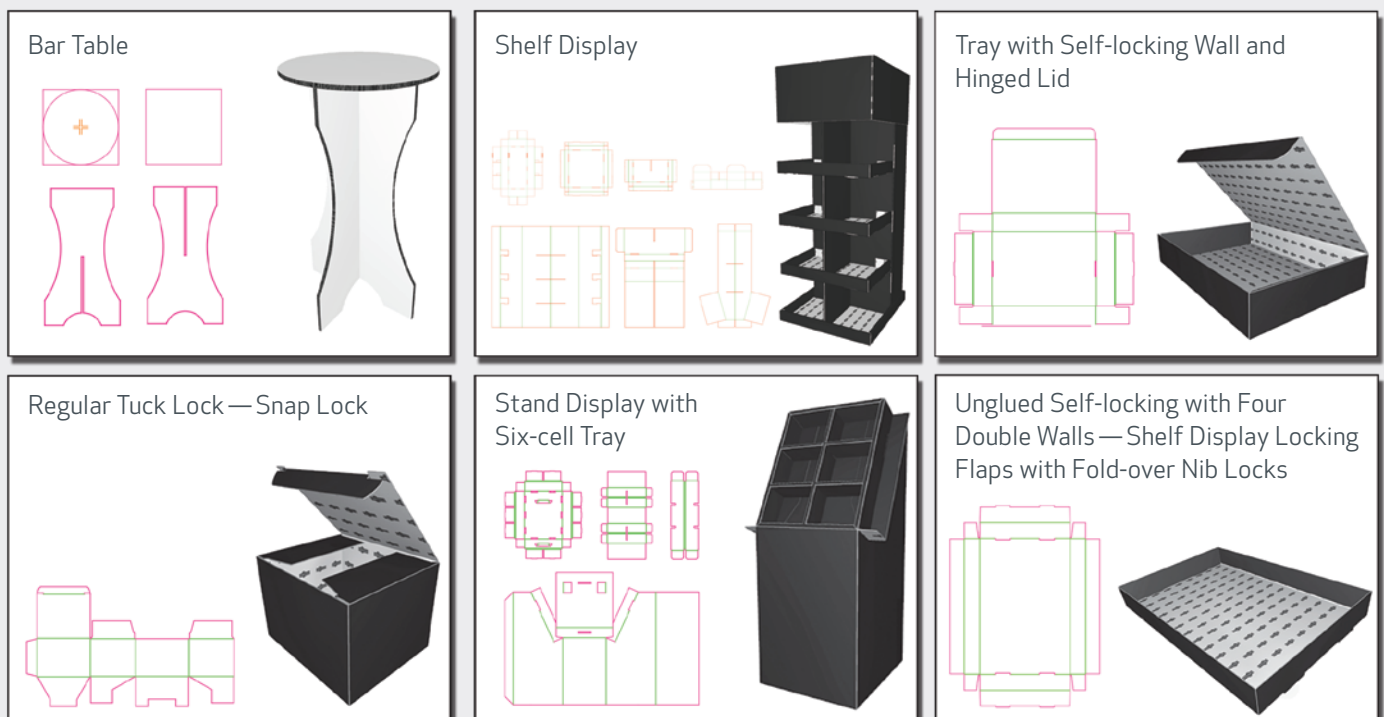
- Change from routing to laser cutting in minutes
- Automatic finishing of textiles in rolls
- Accurate cutting of printed flags and banners
- Welded, sealed edges for a more attractive finish versus knife cutting—no fraying
- Achieve more intricate cuts on a wide array of materials such as acrylics, woods, paper productions, and more



Optional EngView Systems® packaging software

- New Version 6-Mac, and PC compatible
- Choose from 2,000 fully resizable templates for boxes and POS/POP displays
- Searchable electronic catalog
- From one design, multiple variations with completely different sizes can be created
- Libraries for different materials—folding, corrugated, or Falconboard®
- Every change in the material thickness is reflected automatically in the design
- The drawing can be exported in CFF2, DDES, AI, PDF, EPS, DXF, DWG, and other file formats

ENGVIEW RESIZABLE DESIGN SAMPLES



WHY CANON SOLUTIONS AMERICA.

Canon Solutions America recommends forward-thinking strategies to help achieve the highest levels of information management efficiency for your unique business needs. Using superior technology and innovative services, we then design, implement, and track solutions that help improve information flow throughout your organization while considering the environment, helping to result in greater productivity and reduced costs.

There are many reasons why you should choose Canon Solutions America as your provider for document management solutions. Benefits include:

- A Canon U.S.A. Company
- Business Services
- Professional Services
- Global Monitoring Capabilities
- Certified Training and Support
- Flexible Finance Options
- Single-Source Solutions Provider
- Managed Document Services
- Nationwide Coverage
- Customized Industry Solutions
- Genuine Canon and Océ Parts and Supplies
- Diverse Range of Input-to-Output Technology

But that's not all. As a company that is dedicated to your needs, we support our solutions with highly skilled professionals and advanced diagnostic systems to maintain peak performance. And with ongoing consultation, we can further your document management capabilities to help ensure the highest level of satisfaction and productivity.



Authorized Dealer:



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