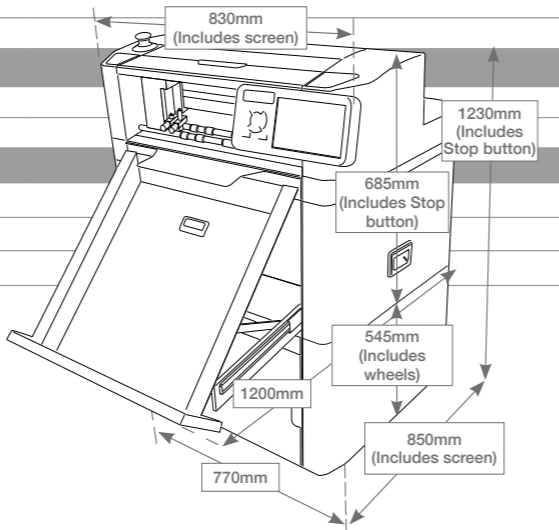


Technical Specifications



Intec ColorCut SC6500 Auto-sheet cutter/creaser		
MEDIA HANDLING		
Standard media sizes		A4 (210 x 297mm), A3 (297 × 420mm), SRA3 (320 × 450mm), A3+ (330 × 485mm)
Custom sized label media		Media width (min-max): 180mm x 340mm Media length (min-max): 279mm x 710mm
Media thickness		0.14mm (140 micron) - 0.35mm (350 micron)
Auto-sheet capacity		105mm stacker height or 15kg (Up to 1,000 sheets for auto-sheet feed, based on 80gsm media)
Media alignment		Self-centring guides - lockable
CUTTING CONTROL		
Mountable tools (dual tool holder)		Blade holder - holds cutting blades; 30°, 45° or 60° for range of media types Creasing tool - dual ended (wide & narrow) suitable for ≤350 micron card Calibration pen - pen, plotting pen used for auto-calibration. Can be used in either mountable location
Cutting blades	Yellow Red Blue Red	1mm 30° cemented carbide blade - for thin film and very soft material 1mm 45° cemented carbide blade - for thin card up to 0.35mm and adhesive stickers 1mm 60° cemented carbide blade - for thick vinyl media, sharply angled tip provides a longer cutting edge 1.5mm 45° industrial cutting blade for card based projects up to 350 micron
Cutting system (force)		Contour cutter, with up to 7.60N (750gf) delivered in 190 steps programmable through Intec ColorCut Pro cutting software
Mechanical / Programme resolution		0.01254mm / HPGL 0.025mm
Maximum speed		1060mm/s
SOFTWARE & CONNECTIVITY		
ColorCut Pro 5 – Plugin (PC)		ColorCut Pro 5 plug-in (all features available). ColorCut Pro sends projects designed in Adobe® Illustrator® or CorelDRAW® directly to Intec ColorCut cutter with no need to convert them to a different format. Requires: PC - Adobe® Illustrator® CS6, CC2014 - CC2023, or CorelDRAW® X8, 2017 - 2023 Graphics Suite
ColorCut Pro 5 – Plugin (Mac)		ColorCut Pro 5 Plugin for Mac enables the ColorCut Pro Job Library Client. Mac users add cut marks automatically to Illustrator files and assign job numbers and QR codes. The jobs are sent to the remote ColorCut Pro Job Library on a PC for cutting. Requires: Illustrator CC2022 - 2023
ColorCut Pro 5 – Standalone		ColorCut Pro – Job Server version of ColorCut Pro is PC only and enables jobs created by the ColorCut Pro plugin (above) to be cut at any time, without requiring Adobe® Illustrator® or CorelDRAW® and without having to re-open the original file
PC minimum specification		Windows 10/11 Pro x64 bit. 4GB of RAM (8GB recommended). Minimum display resolution: 960x830.
Connectivity		USB, Ethernet LAN
REGISTRATION CONTROL & JOB MANAGEMENT		
Registration system		Vision3 - High resolution CCD vision system reads the registration marks on the media, comparing position with original digital file. Automatically adjusting cut lines to correct any scale or skew positional differences
Cut position accuracy		+/- 100 micron
Auto job recognition		Yes: Instant cut file retrieval, supported through QR code job recognition in conjunction with ColorCut Pro 5 software (supplied)
Varied or mixed job recognition		Yes
POWER REQUIREMENTS		
Power supply		100-240V, 50/60Hz, 100W Avg. (320W peak)
Approvals		Complies with CE and RoHs directive
GENERAL		
Weight (unpacked)		136kgs (300lbs)
Dimensions W x D x H		820 × 850 × 1230mm (32.3 x 33.46 x 48.43 inches)
Max' area required in use		820 x 1300 x 1230mm (32.3 x 51 x 48.43 inches)



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colorcut
SC6500
Auto Sheet-fed Digital-die Cutter

Auto-Feeding Digital Die-Cutter

COMPACT & AUTOMATED WITH HIGH CAPACITY AUTO FEEDER
FOR CUT, CREASE & KISS-CUT APPLICATIONS



Applied intelligence

QR code driven jobs

Productive fast output

Clean/crisp cut & crease

Immersive operation

Cut without cables

Direct Drive - cut from USB

POWERED BY
ColorCut Pro

Fully automated, ultra-reliable sheet cutting and creasing for packaging, point of sale and kiss cut labels

colorCUT

A revolutionary new type of automated cutter - blending flatbed and sheet fed technologies!

Perfect for digitally die-cutting packaging, P.O.S. and lightweight card projects – as well as kiss-cutting sheet labels – the all new ColorCut SC6500 is a compact 'on demand' digital sheet cutter with no physical dies or time-consuming setup costs.

Further more, ColorCut Pro enables your jobs to be exported to a USB stick for cutting in a Held Mode (or at a remote location), so any operator can run their jobs directly from a USB drive no PC connection required! Simply wheel the cutter to any point of your production environment, plug in to a mains outlet, load with media, insert your USB stick and click SCAN on the 7" touch screen to begin!



Targeted for users seeking an affordable, compact, high-capacity cutting solution the SC6500 combines **ultra-reliable feeding** with an **instant job retrieval** system and flawless **high-speed cutting and creasing** for complete unattended production.

Averaging under 100W of power consumption, the SC6500 is also possibly the most energy efficient and lowest operating cost cutting solution in it's class. The ability to operate the SC6500 from the 7" touch panel in HELD MODE, with the **NO WIRES** functionality means this highly mobile device can be easily accommodated in any print shop or manufacturing company that needs to cut lables or die-cut card.

Market-leading features

No dies required!

Digitally cut, crease, perforate or kiss-cut absolutely any shape

2 modes of operation

DIRECT: Use ColorCut Pro to create your cut files & cut directly

HELD: Send repeat jobs to USB storage, enabling you to remotely cut your jobs, anywhere there is a power outlet (No Wires)

- Digitally cut any shape sheet card item - on up to 350 micron media.
- No new software to learn. ColorCut Pro Production Studio software is supplied, as standard, enabling you to use Adobe® Illustrator® or CorelDRAW® for your cut file creation.
- Easy to use, ColorCut Pro automatically adds registration marks and QR codes to your Illustrator® or CorelDRAW® files.
- High-capacity auto feeder (1,000 sheets) works in conjunction with air blade separation and automated jog function, to present every sheet perfectly for the cutter, every time.
- Create a Job Library of up to 1 million unique jobs to cut either DIRECT from your PC or untethered in HELD Mode.
- Cut up to 340mm (13.38") x 710mm (20.47") A4, A3, SRA3 and custom sizes.
- ColorCut Pro's Ai capability can instantly retrieve cut files for every sheet. Load a mixed stack of jobs - even rotated sheets and the SC6500's Ai enables you to cut one after the other, perfectly in a seamless and uninterrupted flow.
- SmartMark registration delivers incredible accuracy - adjusting for scale, skew, rotation and adapting your cut lines automatically to fit your job.
- Dual 'Grip and Drive' feed system enables the SC6500 to cut closer to your media edges by holding the media on both sides of the cutting head, during cutting.
- The SC6500 uses a superior cutting underlay strip, to deliver an optimal surface for both cut-through, creasing and kiss-cut.
- ColorCut Pro's 'SmartTags' functionality enables you to automatically add tags to your elements holding them into your media. Leaving a tidy and manageable stack of finished complete sheets in the catch tray.

QR code job recognition, enables mixed jobs to be processed effortlessly in the same stack!

colorCUT



New Info-Control system - Premium 7" touch screen, with an Ai enhanced i18 controller

The SC6500 is built on the foundation of Intec's next generation of Ai based ColorCut software which delivers new features, functionality, control and automation.

The SC6500 redefines how automated cutters can be used, easily, simply and autonomously by providing 2 modes users can employ for cutting their files.

In DIRECT mode: ColorCut Pro offers unparalleled flexibility and control over cutting and production enabling all options to be adjusted on the fly.

In HELD mode: ColorCut Pro stores your job parameters, wrapping all the required settings into a custom held mode cut file, that can be transferred to a storage device on the SC6500 cutter. This enables standalone operation, without the need for the main PC with ColorCut Pro to be switched on. Held mode is ideal for repeat cut jobs that need to be cut at any time, by any user.

The new 7" Info-Control system includes a live camera preview window delivering visual feedback of QR code and smart registration marks scanning.

Plus, feature rich options that provide an advanced level of control over the SC6500 auto-feeder. Useful for certain media that may require special handling or simply to optimise throughput of your chosen media.



Optional ColorCut Pro Server Station - seriously enhance your productivity!

Supplied complete with a pre-installed Windows® PC and ColorCut Pro software suite, with a flat screen monitor, mouse and keyboard. Also includes software licence for two additional user seats.

Reliable auto-feeding and faultless digital die-cutting of any shape on up to 350 micron media, with the dual tool head delivering up to 750g of force per tool

High-capacity, ultra-reliable feeding

The SC6500 has been designed to provide unattended operation with particular attention paid to the feeding system to ensure class-leading performance for card, vinyl, labels or even tricky laminated sheets.

The SC6500's auto-feeder accepts up to 1,000 sheets, which automatically raises and lowers as required. To prevent sheets curling, as a result of a constant air flow to the sides, the SC6500 uses an automatic air blade that fires a blast of air momentarily into the front of the stack, just as the advanced vacuum feed belt lowers to collect the top sheet using pneumatic suction. To further provide reliable feeding, the vacuum feed belt lifts the media carrying any sheets not pre-separated by the air blade, past a pair of dexterous separation fingers, which dislodges them. Then in a patent pending operation the SC6500's vacuum feed belt 'jogs' the sheet, reversing it briefly against the rear paper stop, creating a natural curve that helps ensure only the single sheet collected by the vacuum belt is advanced into the cutter, so even difficult media feeds faultlessly.

Dual tools - digital accuracy

The digital cutting head can apply up to 750g of force, individually, for both the cutting and creasing tools. Their actions are controlled via the included ColorCut Pro Production Studio software. In common with the entire ColorCut family, the SC6500 can be set to apply exact amounts of pressure and speed, along with total control over the application of cut, crease, perforation or kiss-cut of vector artwork lines drawn in Adobe® Illustrator® or CorelDRAW®.

Ergonomic, compact and mobile

The space-saving media catch tray slides away when not in use and the manoeuvrable stand ensures the SC6500 is easily accommodated into any environment.

Easy to use automatic job retrieval

When creating jobs, ColorCut Pro applies an auto-assigned QR code* and page marks to each design, whilst auto-saving the cutting file to the ColorCut Pro Job Library.

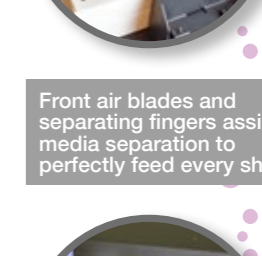
Jobs with QR codes can be cut at a later date by any operator - no specific computer application skills required! The SC6500 checks the QR code on each sheet, retrieves the associated cut file and proceeds to cut and crease as required - even if the sheet is presented at 180°. Choose to cut a single sheet or even thousands, unattended.

The Vision3 CCD camera has an 8th generation sensor with enhanced sensitivity to read even white QR codes and SmartMarks, when printed on dark media.

*QR codes and SmartMarks are generated as part of the included ColorCut Pro software plugin which integrates with vector artwork created in Adobe® Illustrator® and CorelDRAW®



Huge 1,000 sheet capacity auto-stacker/feeder



Front air blades and separating fingers assist media separation to perfectly feed every sheet



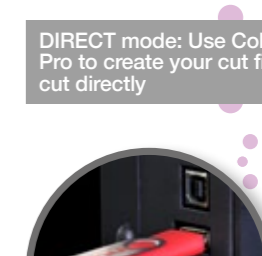
Continuous vacuum belt lifts and feeds sheets onto cutting bed ready for cutting



Dual tool cutting with dual grip feeding and revolutionary cutting strip gives perfect results



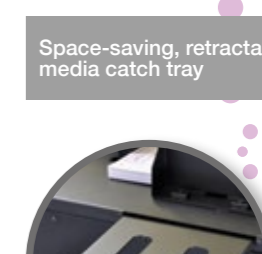
Vision3 camera reads black or white QR codes to instantly retrieve associated cut files



DIRECT mode: Use ColorCut Pro to create your cut files & cut directly



HELD mode - No wires Run standalone - jobs saved on USB storage



Space-saving, retractable media catch tray



Extendable media tray for longer media