Auto-Feeding Digital Die-Cutter

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

- Direct Drive - cut from USB
- Cut without cables
- NO WIRES
- Immersive operation
- 7 inch TOUCH SCREEN
- QR code driven jobs
- Clean/crisp cut & crease
- HI-FORCE 750gf
- Productive fast output
- HI-SPEED 1060 mm/sec
- Cut without cables
- Direct Drive - cut from USB

POWERED BY ColorCut Pro
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!

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

No dies required!

Digitally cut, create, 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)

New Info-Control system - Precise, 7” touch screens, with an AI enhanced 18 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 cut files 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 anyone.

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 automated job function. Useful for certain media that may require special handling or simply to optimise throughout of your chosen media.

High-capacity, ultra-reliable feeding

The SC6500 has been designed to provide sustained 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 cutting, as a result of a constant air flow to the sides, the SC6500 uses an automatic air blast 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 blast, past a pair of dexterous separation fingers, which dislodges them. Then in a patient 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 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 in use and the machine’s removable stand ensures the SC6500 is easily accommodated into different environments.

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 CDD 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®.
**MEDIA HANDLING**

- **Standard media sizes**: A4 (210 x 297mm), A3 (297 x 420mm), SRA3 (320 x 450mm), A3+ (330 x 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: 1mm 30° cemented carbide blade - for thin film and very soft material
  - Red: 1mm 45° cemented carbide blade - for thin card up to 0.35mm and adhesive stickers
  - Blue: 1mm 60° cemented carbide blade - for thick vinyl media, sharply angled tip provides a longer cutting edge
  - Red: 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® X6, 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: 960×830.
- **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 x 850 x 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)