



Tecnau Finishing Solutions

for Canon varioPRINT iX-series sheet fed inkjet presses



*Dynamic perforating, creasing,
punching, cutting and stacking.*

- ✓ *Inline finishing for varioPRINT iX-series*
- ✓ *Modular capabilities to match user needs*
- ✓ *Dynamic sheet-to-sheet variability*
- ✓ *Many field upgradable options*

Empower your varioPRINT iX-series color inkjet presses with capable inline finishing solutions from Tecnau. Choose from dynamic perforating and hole punching, creasing/scoring, and cutting/trimming modules - multiple modules may be combined to expand your product offerings.

Tecnau's TC 1530 C offers dynamic perforating & punching in a variety of models to best match your application requirements - optional creasing/scoring broadens the range of finishing capabilities. The TC 1530 P offers inline dynamic punching capabilities in a broad variety of punch patterns. The Stack 1010 slits, cuts, trims, removes gutters/bleeds and stacks output, allowing users to process sheets in cost-effective multiple-up impositions.

Tecnau's family of varioPRINT iX-series finishing solutions were developed in close cooperation with Canon, to offer inline finishing capabilities, eliminating offline finishing requirements to save money and time. Many of these finishing functions are available as field upgrades to allow you to expand your capabilities down the road after installation - your investment is protected.

Global service and around-the-clock support help ensure our reputation as the industry's reliability leader. Our products increase productivity, cut labor and paper costs, and even make new applications possible - Tecnau solutions truly empower digital print to help you do more with less.

Broad capabilities for flexible product offerings.

With the highly customizable Tecna Finishing Solutions for the varioPRINT iX-series high volume sheet fed inkjet presses, you may produce a wide array of applications to fulfill every printing need.

Horizontal & vertical dynamic perforations for remittance stubs, coupons & tear-out pages

Dynamic cross scoring and vertical creasing for easy folding

Spiral coil bind or dynamic punching facilitate a variety of binding methods

Very short repeat lengths allow complex applications and maximum flexibility

Field upgradeable with additional modules or speed enhancements (PLUS option)

TC 1530 C

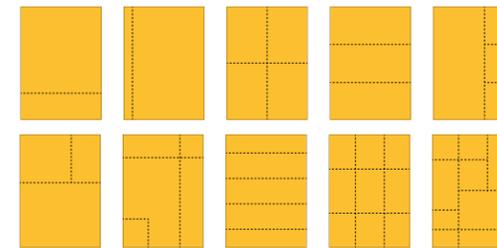
Horizontal perforations and scoring

Zero, one or two horizontal perforation cylinders or scoring are available. Perforations may be placed at repeat intervals determined by the number of cylinders available and blades mounted. Blades with different lengths can be installed on different cylinders allowing mixed perforation. Scoring patterns may be also provided. Unique page-by-page patterns are triggered via 2D Datamatrix.

Vertical perforations and creasing

Two or four perforation wheels can be chosen to dynamically process the sheets. The position of the perforation wheels is adjustable for manual change between jobs. Creasing capabilities are also available upon request.

Example: different perforation, scoring and creasing patterns



Tecna Connect

Software control package

The system can keep track of all processed sheets and report missing pages among every job in order to proceed with re-prints and complete customers' orders.



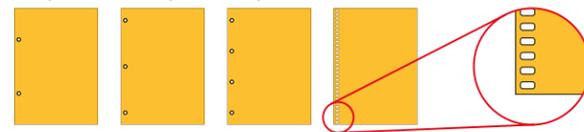
TC 1530 P / TC 1537 P

Dynamic punching and spiral/coil bind

Performs two, three, four or five file hole punches or spiral/coil binding punches on printed sheets. The solution can be activated dynamically or it can punch every page in static mode setting. Cartridges are interchangeable for easy maintenance and application changeover.

Depending on the configuration selected, the TC 1530 P can be installed as a separate unit or the TC 1537 P add-on version may be incorporated with the TC 1530 C to minimize the overall footprint.

Example: 2, 3, 4 file hole punches and spiral/coil bind



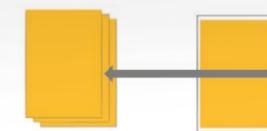
Stack 1010

Cut-sheet cutter (slit & cut)

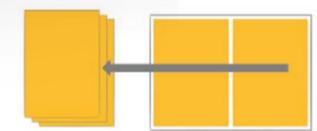
Printed output may be center cut and slit, either with single cut & slit or double cut (chip-out) and gutter cut for full bleed applications. Full-sized printed output may be cut & trimmed down to as small as a 3.85"(W) x 4"(L) finished page.

Stacker s10 accumulates and stacks output from Cutter c10 in straight stacks or offset sets.

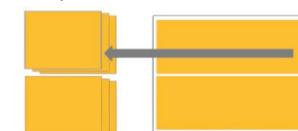
Example: 9" x 12" sheet trimmed to 8.5" x 11"



Example: 18" x 12" sheet trimmed to two 8.5" x 11"



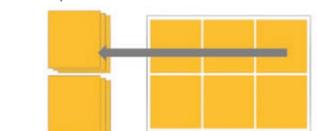
Example: 18"x12" sheet trimmed to two banners



Example: 18" x 12" sheet trimmed to four 8.5" x 5.5"

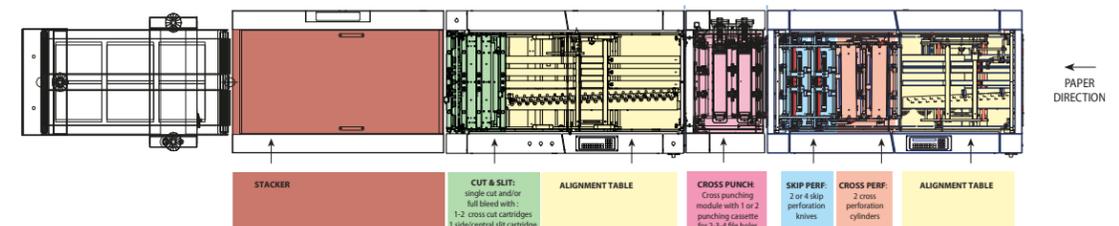


Example: 18"x12" sheet trimmed to six sheets



Complete solution overview

Dynamic perforations or optional scoring/creasing, cross dynamic punching and cutting.





Tecna Finishing Solutions

for Canon varioPRINT iX-series sheet fed inkjet presses

Generic Solution Specifications

Speed Max. 160 A4-sized sheets per minute
(160 simplex-printed images or 320 duplex-printed images per minute)
156 letter-sized sheets per minute
(156 simplex-printed images or 312 duplex-printed images per minute)

Paper direction RIGHT to LEFT paper flow

Paper alignment center aligned

Sheet transport short edge leading (SEF)
letter size sheets are long edge leading

Paper weight 45# text - 130# cover 70 - 350 gsm
Paper thicknesses are guidelines - performance will vary and is dependent upon paper type, paper grain and paper stiffness among other possible factors. Tecna recommends testing of media over 250 gsm prior to use.

Media type coated & uncoated media

Compatibility varioPRINT iX-series
varioPRINT i-series

Single Product Technical Specifications

TC 1530 C - Dynamic perforating and creasing/scoring

Max sheet size input	14.3"(W) x 20.5"(H)	363 (W) x 520 (H) mm
Min sheet size input	7"(W) x 7"(H)	178 (W) x 178 (H) mm
Max perforation width	14"	356 mm
Min perforation distance of wheels positioned on the same shaft	2"	50 mm

Perf specification

Standard perforation knives 15 TPI and standard perforation blades 6.35 TPI. Other perforation specifications are available upon request

Cross perf. repeat minimums

1 cylinder with 1 blade: 140 mm (5.5")
1 cylinder with 2 blades: 70 mm (2.75")

Continuous cross perf. repeat minimums

2 cylinders with 1 blade: 70 mm (2.75")
2 cylinders with 2 blades: 35 mm (1.375")
2 perms may be infinitely close, but the next pair must be at least 70 mm (2.75") or 140 mm (5.5") away

TC 1530 P / TC 1537 P - Dynamic punching and spiral/coil bind

Min punch repeat	6.75"	171.5 mm
with 2 cartridges	3.375"	85.75 mm
<i>with 2 cartridges, 2 punches may be infinitely close, but the next pair must be at least 6.75" away</i>		

Hole punching 2-, 3-, 4-, 5-file hole punch

Spiral/coil bind 19, 32, 44-hole punch (others on request)

Hole diameter, loose leaf punching 1/4" or 5/16" or custom 6 or 8 mm or custom

Stack 1010 - Cutter c10 (slit & cut) and Stacker s10

Input width	7" - 14.3"	178 - 363 mm
Input length	7" - 20.5"	178 - 520 mm
Output width	1-up: 8" - 14" 2-up: 5" - 7" 3-up: 3.85" - 4.4"	1-up: 203 - 356 mm 2-up: 127 - 178 mm 3-up: 98 - 113 mm
Output length	4" - 19.5"	102 - 495 mm
Edge trimming	0.2" - 1.25"	5 - 32 mm
Cross cuts	Single or full bleed	
Central gutter	0.25" - 0.50"	6.35 - 12.7 mm <i>Fixed gutter at 3mm as a special Up to 25.4 mm (1") with application review</i>
Output options	1 stack, 2 or 3 stacks with gutter cartridge	
Stack height	up to 10"	up to 250 mm <i>max height depending on form size</i>
Offset (on the fly)	0 - 0.6"	0 - 15 mm



TECNAU

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