



TC 1530 CR

Dynamic Sheet Perforator



The TC 1530 CR is designed to execute dynamic cross and vertical perforations inline to the RISO VALEZUS T2100.

- ✓ **Dynamic perforations**
- ✓ **Horizontal & vertical**
- ✓ **Very short repeat lengths**
- ✓ **Field upgradable**

Produce remittance stubs, coupons, convenience checks, and tear-out workbook pages in-line with your RISO VALEZUS T2100 high-speed full-color cut-sheet inkjet printer. The TC 1530 CR dynamic sheet perforator creates on-demand vertical and horizontal perforations, yielding user-friendly documents for your customer and application flexibility for you.

The TC 1530 CR series features an optional two horizontal perforation blades per shaft, cutting in half the minimum horizontal perforation repeat available at a given speed. Choose from dynamic perforation models with two or four vertical perforation wheels, and zero (CR0, for very simple remittance stub-like perforation needs), one (CR1), or two (CR2) horizontal cylinders, to best match

your needs. The basic system is field upgradable (hardware and software) to add both horizontal and vertical perforation tools. Your investment decision today is secured to support more complex applications of tomorrow.

A 2D Datamatrix on each page triggers one of up to 89 pre-programmed perforation patterns page-by-page within your job.

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 - Tecna solutions truly empower digital print to help you do more with less.



TC 1530 CR

Dynamic Sheet Perforator

Tecna's TC 1530 CR dynamic sheet perforator is installed in-line after the RISO VALEZUS T2100 inkjet printer, followed by an appropriate stacker.

Depending on the model, the TC 1530 CR can be equipped with two or four vertical perforation wheels (running along the paper path) and zero, one or two horizontal perforation cylinders (running across the paper path). Dynamic horizontal perforations occur at minimum intervals dependent on the number of cylinders (up to 2) and blades (1 or 2) mounted on each cylinder. The horizontal perforation length is determined by blade lengths; in the TC 1530 CR2 model, blades with different lengths can be mounted on different

cylinders allowing mixed perforation patterns on the same job.

Dynamic vertical perforations are programmable in length. The vertical perforation positions across the length of the sheet can be manually changed between jobs.

The TC 1530 CR is designed in modular groups, assembled with rigid metallic structures and high precision components that guarantee long life and easy maintenance. The main structure is built in stabilized aluminum and steel with a cross bar of stabilized cast iron.

Thanks to the power of the TC 1530 CR, it is possible to perform dynamic vertical and horizontal perforations sheet by sheet. Pre-perforated paper will be no longer needed, reducing paper cost and adding a high level of flexibility.

Transactional and TransPromo applications such as payment slips, insurance coupons, and promo cards can be easily performed in the same run. Direct mail applications such as coupons, discount cards, tickets and other complex perforating patterns can be performed on the fly to further exploit the flexibility of the RISO VALEZUS T2100 printer.

Optional Capabilities

Performance Package Upgrade

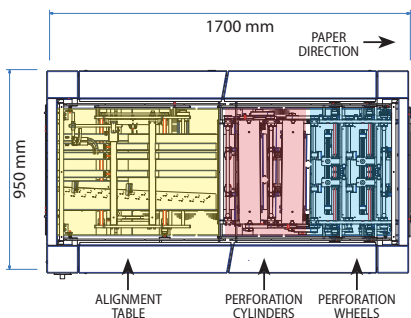
One additional horizontal perforation blade per cylinder is added. With two blades on the same cylinder, it is possible to perform closer horizontal repeat perforations of equal length.

Vertical Perforation Wheels Upgrade

Two extra independent vertical perforation wheels on one additional shaft can be added to further expand perforation possibilities. Configurations with more than 4 wheels are also possible but require application review.

2D Code Reader Plus Upgrade

Instead of a standard 2D Datamatrix reader, a Cognex reader can be implemented to read 2D Datamatrix in a wider area.

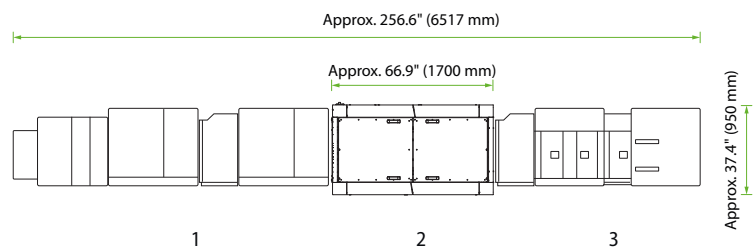


Technical Specifications

Performance / Media

Speed max.	320 pages per minutes (A4 LEF, Letter LEF) (160 simplex-printed images or 320 duplex-printed images per minute)	
Paper weight	45# text - 64# cover, 70 - 170 gsm (up to 210 gsm with heavy paper kit)	
Max sheet size input	13"(W) x 18.1"(L), 330.2(W) x 460(L) mm	
Min sheet size input	7"(W) x 8.3"(L), 177.8(W) x 210(L) mm	
Cross perf. width	13" max.	330.2 mm max.
Vertical perf length	18.1" max.	460 mm max.
Cross perf. repeat minimums	1 cylinder with 1 blade: 5.5" (140 mm) 1 cylinder with 2 blades: 2.75" (70 mm)	
Continuous cross perf. repeat minimums	2 cylinders with 1 blade: 2.75" (70 mm) 2 cylinders with 2 blades: 1.375" (35 mm) 2 perms may be infinitely close, but the next pair must be at least 2.75" or 5.5" away	
Vertical perf. distance	2" minimum	50 mm minimum between perforating wheels on the same shaft
Perf specification	15 TPI for knives & 6.35 TPI for blades	
Electrical & Air	US (208VAC, 60Hz, 1-Ph)	EU (230VAC, 50Hz, 1-Ph)
Model versions	C0: 5.5A, C1: 9A, C2: 12A C0: 5A, C1: 8A, C2: 11A	
Air	25 l/min @3-4 bar pressure, dry & filtered	

Configuration Example



- 1 - RISO VALEZUS T2100 high-speed full-color cut-sheet inkjet printer
- 2 - TC 1530 CR - Dynamic Cut Sheet Perforator
- 3 - RISO VALEZUS T2100 Stacker

