

RIGHT ANGLE SLITTER

RAS-mc/+ right angle slitter compared to cutter/slitter/creasers running 4-up, 5" x 7" flat cards:

	RAS-mc/+	Zip-A3E Pro*	DC-615	DC-645	DC-745
Sheets per minute, up to:	100	33.3	5	9	38
Finished cards per minute, up to:	400	133	20	36	152
Sheets per hour, up to:	6,000	1,998	300	540	2,280
Finished cards per hour, up to:	24,000	7,992	1,200	2,160	9,120

- The RAS-mc/+ can produce 20 times the work compared to the DC-615.
- The RAS-mc/+ can produce over 11 times the work compared to the DC-645.
- The RAS-mc/+ can produce over 2.6 times the work compared to the DC-745.
- *The Zip-A3E Pro is a cutter/slitter. Speed test were run with auto adjust cassette and lead/tail waste eject.

This comparison is even more striking when you consider the feeder capacity of each model.

- DC-615/645 3.9"
- DC-745 5.9"
- RAS-mc/+ 13.5"
- Zip-A3E Pro 13.5"

Lower feeder capacity reduces productivity and requires more down time to reload the feeder.

The RAS-mc/+ and the Zip-A3E Pro are the only machine, shown in this comparison, with a delivery conveyor as standard equipment. The delivery conveyor allows for product collection without the need to stop the machine and is a superior delivery compared to a bin type delivery which is standard on the DC-615, DC-645 and DC-745.

Features include:

- Quick change cassettes
- "Offset press" style feeder
- Double sheet detect/interrupt
- 13.5" feeder capacity
- Up to 18 pt. thick stock
- Gutter style slitting blades
- Conveyor delivery
- Precise registration
- 14.5" x 20.5" max. sheet size



The THERM-O-TYPE RAS-mc is the only right angle slitter that effectively combines high speed productivity with product size flexibility.

RAS-mc features include:

- Compact footprint
- 14.5" x 20.5" maximum sheet size
- 13.5" feeder paper capacity
- "Offset press" style feeder
- Double sheet detect interrupt
- Tape belt alignment table (main section)
- Hybrid alignment system (right angle section)
- Quick change rotary tooling cassettes
- Centerline paper path
- Integrated emergency stop
- Waste control/collection
- Delivery conveyor

Using the RAS-mc, customers can efficiently slit multiple-up products from sheets at speeds up to 6,000 sheets per hour.

Quick change rotary tooling cassettes allow multiple product sizes and formats to be slit. Product size and format changeover can be completed in as little as two minutes, without tools.

Heavy duty, gutter-cut slitting blades are used for finishing multiple-up products with bleeds.



The offset style suction feeder can hold up to 13.5" of paper. Features include: "Big Foot" suckers, "express" down paper tray, pile height level and paper blow controls



The full length alignment table with micro side-to-side and skew adjustment ensures very accurate paper alignment. This photo shows auto adjust cassette on the main section.



Slit paper is delivered from the main section into the right angle section. This photo shows auto adjust cassettes on the main and right angle sections.



Finished product is ejected onto a long delivery conveyor with independent speed control. The delivery conveyor allows non-stop collection of product for maximum productivity.

Competitive right angle slitters do not use quick change cassettes. In most cases, this limits each right angle slitter to running one format/size. If multiple product sizes are required, customers typically buy multiple right angle slitters. If a right angle slitter breaks down, the ability to produce that product size is lost until the machine is brought back online.

Requiring a dedicated right angle slitter for each format/size increases the equipment investment, limits product size flexibility and consumes valuable floor space.

With the RAS-mc, customer can purchase multiple cassettes and easily switch between formats/sizes. Cassettes are dramatically less expensive than purchasing additional right angle slitters. This allowing more product size flexibility and a smaller footprint in the plant. If multiple RAS-mc machines are purchased, there is backup for all products. If a machine breaks down, operational equipment can be used to produce any of the products, using interchangeable cassettes.

Adding the auto adjust upgrade, to the RAS-mc, further improves product size flexibility by eliminating the need for a dedicated, fixed size slitting cassette for each product. Using auto adjust cassettes, a wide range of product sizes can be accurately slit without the operator manually positioning blades or exchanging cassettes. The auto adjust upgrade can also dramatically reduce the costs associated with purchasing multiple fixed blade position cassettes.

The Auto adjust upgrade includes:

- Electronics enclosure with touch screen computer
- Main auto adjust cassette(s)
- Right angle auto adjust cassette(s)
- Cables

The auto adjust upgrade can be added to any RAS-mc or RAS-mc+ right angle slitter.

RAS-mc and RAS-mc+ slitters that have been upgraded can use auto adjust and fixed position cassettes separately or in combination.

Up to eight product sizes can be programmed, stored and recalled for each cassette combination. Stored size information can be changed by the operator as desired. Odd sizes can also be programmed to provide maximum finished size flexibility.

Selecting a stored product size and auto adjust blade spacing takes less than five seconds.

Side edge waste deflectors are automatically adjusted with side trim slitting blade assemblies on main and right angle auto adjust cassettes.

The original RAS-mc right angle slitter is designed to produce flat cards. This model is now a proven machine operating in multiple, heavy use installations.

Customers have requested a RAS version that can produce folded as well as flat cards.

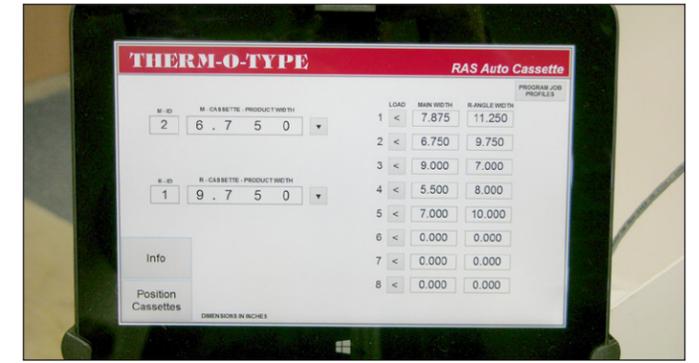
To satisfy this requirement, THERM-O-TYPE has introduced the RAS-mc+ configuration with inline scoring and slitting on the right angle section.



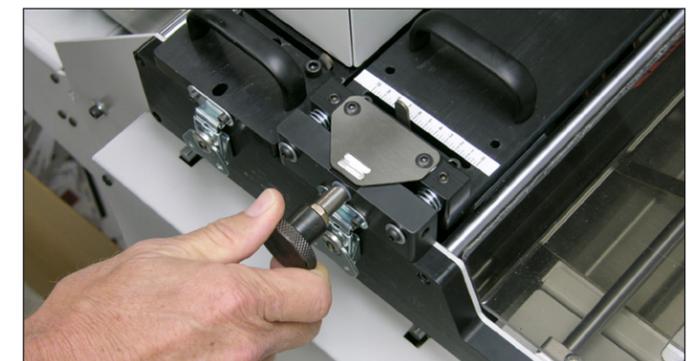
Auto adjust slitting and scoring cassettes on the RAS-mc+.



Pre-set and auto adjust cassettes can be changed on the main and right angle sections in less than a minute, without tools.



The auto adjust touch screen control can store up to eight different product sizes with each combination of auto adjust cassettes. Odd size products can be set by the operator as needed.



The RAS-mc+ features a separate scoring cassette with side-to-side score position and score depth controls. This photo shows the scoring and slitting cassettes on the right angle section

Two rotary tooling cassettes are mounted on the RAS-mc+ right angle section. One cassette is configured for slitting and the other for scoring. Fixed and auto adjust slitting cassettes can be used on the RAS-mc+ to dramatically increase product size and format flexibility.

The RAS-mc+ scoring cassettes offer a unique combination of important features.

Score depth is controlled using an adjustment lever and scale. Using this system, operators can quickly and accurately set the desired score depth.

A micro adjustment is provided to move the score side-to-side. This adjustment moves the top and bottom scoring hubs together, maintaining tooling alignment.

Running 20-up business cards:

A special RAS-mc configuration is available for customers who run 20-up, 2" x 3.5" business cards.

The business card configuration includes a modified infeed section on the right angle section and a delivery conveyor with full length partitions between each row of business cards.

RAS-mc machines that have been configured for business cards can also run multiple up flat card products using fixed size and/or auto adjust cassettes. However a second delivery conveyor is required.

Delivery conveyors can be swapped on the RAS-mc in less than a minute without tools.