



CMT 130TC

# CMT 130TC ON-DEMAND BOOK TRIMMER

PRODUCT OVERVIEW



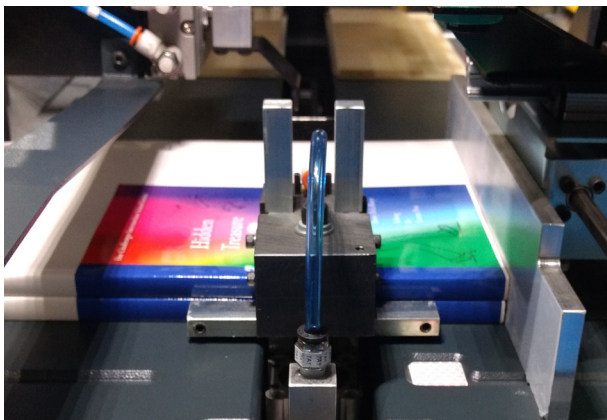
# CMT 130TC ON-DEMAND BOOK TRIMMER

The CMT 130TC On-Demand Book Trimmer incorporates sophisticated automation into the finishing trim operation of perfect bound books. The book trimming process no longer needs to be a labor and cost intensive task. The Challenge CMT 130TC provides professional high-quality trimming for the wide range of book sizes in today's publishing marketplace.

The CMT 130TC is designed and built in Michigan, USA. Powerful hydraulic cutting and clamping pressure effortlessly cut up to a 2" (51mm) thick book. A distinct clamp design and a bi-directional knife stroke assures that the knife always cuts into the spine providing a clean damage-free book finish.

## EFFICIENT & FULLY AUTOMATED

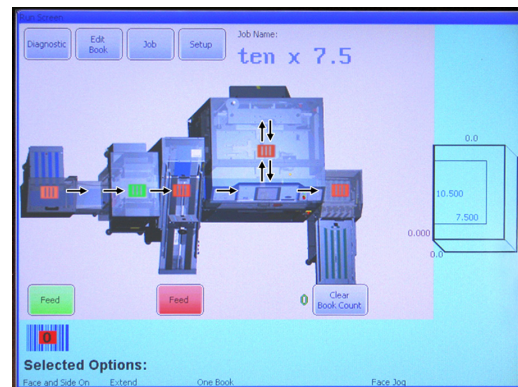
The CMT 130TC utilizes servo and stepper motors to accurately position books for cutting. Full digital control of the set-up allows book size changes in less than 10 seconds. There is no need to perform manual adjustments or exchange book clamps. The CMT 130TC exclusively features simultaneous in-line and near-line feeding capability. This allows the trimmer to automatically switch between feeding books directly from the in-line perfect binder or from a manually loaded near-line book pile feeder. If one system is waiting for its next book, the other system can feed the trimmer to provide maximum production throughput. Additional features include a multiple book mode which allows two books to be trimmed simultaneously to further increase production capacity. And, the precision knife depth control provides consistent knife stroke depth reducing cut stick wear and knife adjustments.



Multiple book mode increases production capacity

## WORLD CLASS TECHNOLOGY

The CMT 130TC incorporates the most advanced book trimming technology available. The new 10.5" color touch screen display, easy to use operator interface and smart diagnostic assistance makes the CMT 130TC the leader for operational simplicity. Automatic size detection of the pre-trimmed book makes programming easy, requiring the entry of only three dimensions. Alternatively, the integrated bar code reader can scan the trim dimensions from a pre-printed barcode on the cover to adjust the cut settings automatically. Simply stated, the CMT 130TC is a fully automated book-of-one trimming solution.

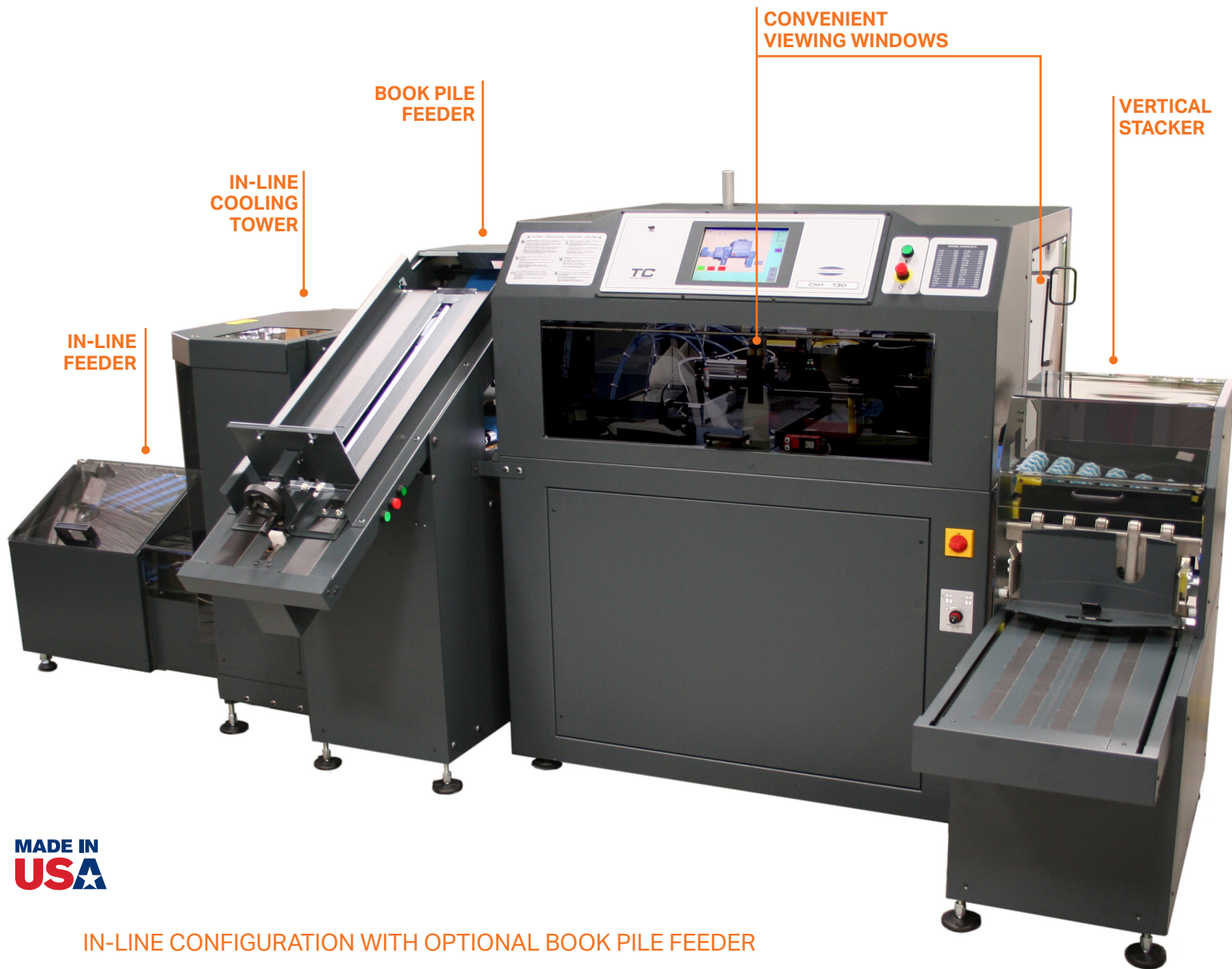


Live graphical display of book position during operation

## MODULAR EXPANSION

The CMT 130TC is the only trimmer in its class that is adaptable to a wide range of production methods. The base CMT 130TC can be hand fed for a low cost off-line solution. Adding a high capacity book pile feeder and vertical stacker enables intervals of unmanned and uninterrupted operation. When configured with an in-line feeder and cooling elevator, the CMT 130TC can be integrated with any manufacturer's perfect binder to become a complete book making system. The CMT 130TC is uniquely able to adapt as your business grows.





IN-LINE CONFIGURATION WITH OPTIONAL BOOK PILE FEEDER

## SUMMARY OF FEATURES

- Full high-speed digital control for fast and accurate set-ups in under 10 seconds
- Bar code system for fully automated set-up
- Simultaneous in-line and near-line book feeding option to maximize utilization
- Automatic size detection of pre-trimmed books
- 10.5"/267mm color touch screen display
- Precision knife depth control reducing cut stick wear and knife depth machine adjustments
- Automated precision finish cut mode for clean trim on thicker books
- Live graphical display of book path
- Thickness range up to 2"/51mm thick
- Trims books up to 12" tall (305 mm) x 9" wide (229 mm) and down to 5.82" tall (148 mm) x 4" wide (102 mm)
- Hydraulic powered cutting
- Adjustable clamp pressure
- No tools or clamp boards required during book size changes
- Integrated computer diagnostics with graphical display of sensor locations
- Strong knife assembly and table support design for minimal deflection
- UL Listed (US and Canada) and CE

## SPECIFICATIONS - BASE MACHINE

- Memory: 99 jobs
- Book size changeover time: Under 10 seconds
- Throughput: Up to 500 books per hour in multi-book mode
- Floor load rating: 53 PSI (3.73 kg/cm<sup>2</sup>)
- Waste bin capacity: 43 gallons (164 liters)
- Oil capacity: 5 gallons (19 liters)
- Maximum blade re-sharpening: 1/4" (6.4 mm)

## PERFECT BOUND BOOK SIZE (SPINE X TOP)

- Starting book maximum: 13" x 9.5" (330 mm X 241 mm)
- Starting book minimum
  - Near-line single mode: 7" x 5" (178 mm x 127 mm)
  - Near-line multiple mode: 7" x 6.75" (178 mm x 171 mm)
  - In-line single mode: 7" x 6.75" (178 mm x 171 mm)
  - In-line multiple mode: 7" x 7" (178 mm x 178 mm)
- Finished book maximum: 12" x 9" (305 mm x 229 mm)
- Finished book minimum: 5.82" x 4" (148 mm x 102 mm)
- Minimum trim, all sides: .100" (2.5 mm)
- Maximum top trim: 5.5" (140 mm)
- Minimum book thickness: .100" (2.5 mm)
- Maximum book thickness: 2" (51 mm)

## ELECTRICAL

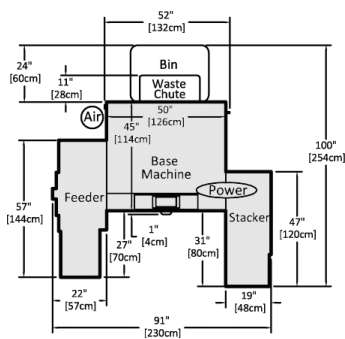
- Motor: 5 HP, three phase, 60 Hz, AC 208/230 volts, 25 amps (service size: 40 Amps)
- Optional motor: 5 HP, three phase, 50 Hz, AC 380/415 volts, 12 KW, 16.5 amps (service size: 20 Amps)

## AIR SUPPLY

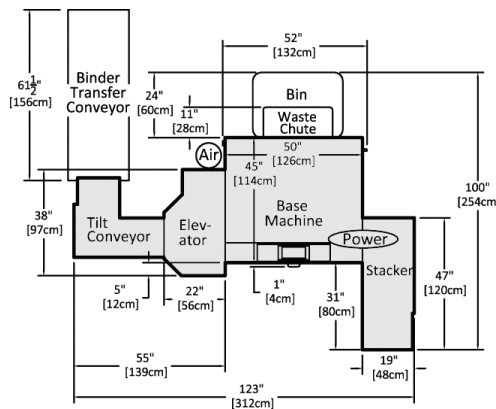
- Requires 80-90 PSI (550-620 kPa) regulated, dry, non-lubricated compressed air at a minimum of 5 cfm at 90 PSI (142 LPM at 620 kPa), and a minimum air quality of: ISO 8573.1 Class 2.4.2

## CONFIGURATION

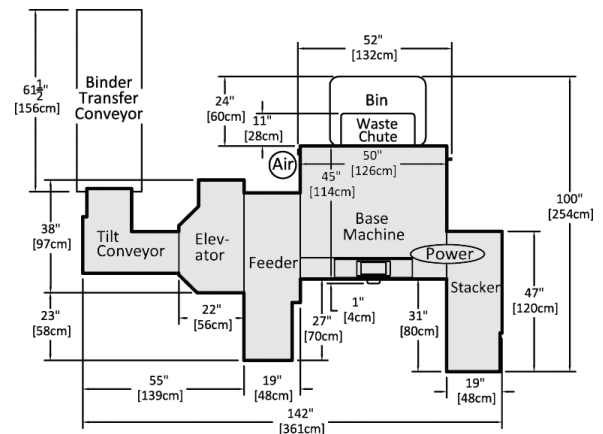
COMPONENT	NUMBER OF SKIDS	NET WT. (approx.)	SHIPPING WT. (approx.)
Near-line - Pile Feeder & Stacker	3	2,188 lbs (993 kg)	2,725 lbs (1,236 kg)
In-line - No Pile Feeder	4	2,303 lbs (1,045 kg)	2,890 lbs (1,311 kg)
In-line - With Pile Feeder	5	2,673 lbs (1,212 kg)	3,360 lbs (1,524 kg)



NEAR-LINE



IN-LINE NO FEEDER



IN-LINE WITH FEEDER



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