CHALLENGE

CMT 130

ON-DEMAND BOOK TRIMMER

ASSURANCE YOU MADE THE RIGHT DECISION

CMT 130 ON-DEMAND BOOK TRIMMER

The CMT 130 is the only truly modular perfect-bound book trimmer capable of fulfil

CMT 130

The process of perfect-bound book trimming has long been considered a labor- and cost-intensive task. The addition of a Challenge CMT 130 book trimmer to your organization will dramatically help turn this task into a profitable one.

BUILT TO LAST

The CMT 130 was designed from the ground up to be the most flexible book trimmer available. The CMT 130 features durable steel and cast-iron construction for strength and rigidity, producing superior cut quality. A powerful hydraulic cutting action will effortlessly cut up to a 2" (5 cm) book block. The multiple book option allows for up to three books to be trimmed simultaneously (total book block thickness should not exceed 1-1/4" / 32mm). The knife stroke changes from right-to-left or left-to-right assuring the knife is always cutting into the spine, thus providing excellent trim quality.

MULTIPLE BOOK OPTION INCREASES PRODUCTION CAPACITY

FULL DIGITAL CONTROL & EFFICIENT INTUITIVE DESIGN

The CMT 130 utilizes servo and stepper motors to accurately position and rotate the book block for trimming. Users can perform a size change in less than 10 seconds without manual adjustments or replacement of book modules! Users can store up to 99 jobs in permanent memory for swift recall. Complete error diagnostics and maintenance reminders display in several different languages.

The CMT 130 is also capable of being controlled through a serial port (barcode size change application) for true book-of-one applications.

CMT 130 CONTROL PANEL

CAPABLE AND RELIABLE

The CMT 130 is the only machine in its class to offer you a truly modular trimming solution. The base CMT 130 can be hand fed for a low cost off-line solution. The addition of our near-line high capacity book pile feeder and vertical book stacker provides long intervals of uninterrupted operation by the same perfect binder operator (system pictured on front cover). When configured with our in-line feeder and cooling elevator devices, the CMT 130 transforms your perfect binder into a perfect book finishing solution.

MEETING YOUR NEEDS

For 140 years The Challenge Machinery Company has been a leading manufacturer of high quality print finishing equipment. The CMT 130 is yet another example of Challenge's pursuit of excellence in design, engineering and quality manufacturing; providing you assurance you made the right decision!

ling your off-line, near-line, or in-line finishing requirements.

FEATURES

- Trimmed book sizes: 4" x 5.82"/ 102mm x 148mm to 9" x 12"/ 229mm x 305mm; up to 2"/ 51mm thick
- Full digital control for fast, accurate changeovers in approximately 10 seconds.
- Requires no special tools or clampboards when changing book sizes
- Easy to use and program
- Light-touch electronic keypad
- Menu-driven LCD data/graphic screen
- 99-job memory
- Computer diagnostics
- Minimal maintenance requirements
- Hydraulic cutting
- Adjustable clamp pressure
- Adjustable pneumatic gripper pressure
- Rugged construction
- UL listed (US and Canada) and CE

LOW COST HAND FEED CONVEYOR

N-LINE CONFIGURATION SHOWN)

CMT 130 ON-DEMAND BOOK TRIMMER

SPECIFICATIONS - BASE MACHINE

- Memory - 99 jobs
- Time to change book size - Approx. 10 seconds
- Throughput - *Up to 200 books per hour
- Floor loading - 53 PSI / 3.73 kg/cm^2
- Waste bin capacity - 43 gallons / 164 liters
- Oil capacity - 5 gallons / 19 liters
- Knife re-grind - 1/4" / 6.4 mm
- Air consumption - 5 CFM @ 90 PSI / 142 LPM @ 6 BAR

*Multiple book option - throughput up to 500 books per hour

PERFECT BOUND BOOK SIZE

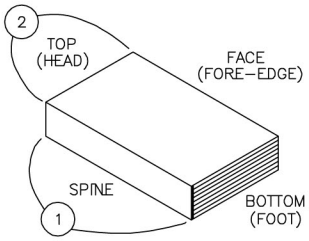
- Starting size (maximum) 13" X 9-1/2" / 330 mm X 241 mm
- Starting size (minimum) *See configurations below
- Finish size (maximum) 12" X 9" / 305 mm X 229 mm
- Finish size (minimum) 5.82" X 4" / 148 mm X 102 mm
- Trim amount (minimum) 0.100" / 2.5 mm
- Face trim (maximum) 5-1/2" / 140 mm

ELECTRICAL CE cULus UL

- Standard Motor: 5 HP, three-phase, 60 Hz, AC 208 / 230 VAC, 20 Amps (service size: 30 Amps)
- Optional Motor: 5 HP, three-phase, 50 Hz, AC 380 / 415 VAC, 10 KW, 12 Amps (service size: 15 Amps)

AIR SUPPLY

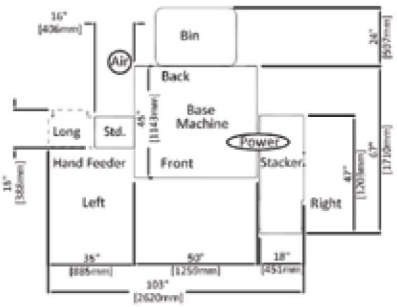
- The machine requires a "dry – non lubricated" air source capable of supplying a MINIMUM of 5 CFM (2,500 LPM) and MUST BE REGULATED to remain a CONSTANT 90 PSI (6 BAR / 620 KPA)



(1) X (2) in. (mm)

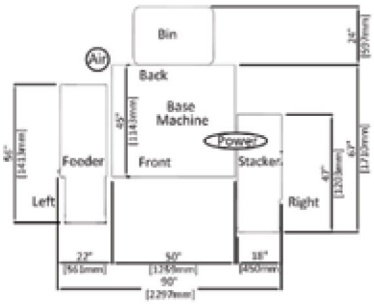
SPECIFICATIONS - COMPONENTS

COMPONENT	HEIGHT	WIDTH	DEPTH	NET WT. (approx.)	SHIPPING WT. (approx.)
Base Machine	60" / 152.4 cm	52" / 132.1 cm	57" / 144.8 cm	1500 lbs / 680 kg	1800 lbs / 816 kg
Cooling Elevator	45-1/2" / 116 cm	21-1/2" / 55 cm	37" / 95 cm	335 lbs / 152 kg	470 lbs / 214 kg
In-Feed Conveyor	26" / 66 cm	40" / 102 cm	29" / 74 cm	150 lbs / 68 kg	230 lbs / 105 kg
Long Hand-Feed Conveyor	44" / 112 cm	35" / 89 cm	12-1/8"/ 31 cm	95 lbs / 43 kg	220 lbs / 100 kg
Standard Hand-Feed Conveyor	11" / 27.9 cm	14-3/4" / 37.46 cm	15-3/4" / 40 cm	40 lbs / 18.2 kg	80 lbs / 36.4 kg
Book Pile Feeder	53-23/32" / 136.4 cm	20-9/32" / 51.5 cm	56-1/8" / 142.6 cm	370 lbs / 168 kg	420 lbs / 191 kg
Exit Conveyor	39-1/2" / 101 cm	47" / 120 cm	12-1/8" / 31 cm	85 lbs / 39 kg	210 lbs / 95 kg
Vertical Stacker	47-3/8" / 120.3 cm	19-5/16" / 49.1 cm	43-3/16" / 109.7 cm	218 lbs / 99 kg	268 lbs / 122 kg



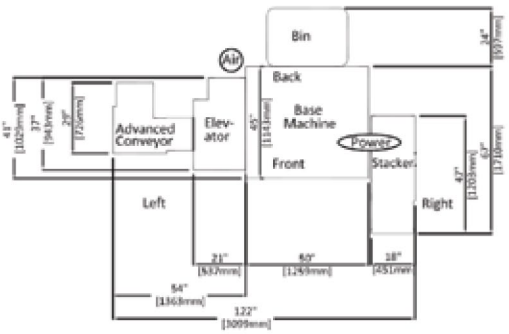
SAMPLE HAND-FEED CONFIGURATION

Book Start Size (minimum)
7" x 5" /178 mm x 127 mm



SAMPLE NEAR-LINE CONFIGURATION

Book Start Size (minimum)
7" x 5" /178 mm x 127 mm (single)
7" x 7" /178 mm x 178 mm (multiple)



SAMPLE IN-LINE CONFIGURATION

Book Start Size (minimum)
7" x 6-3/4" /178 mm x 171 mm

ADV-010/2000/GPCO/0310

CHALLENGE

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