

Horizon

Three-side Trimmer HT-30C



HT-30C

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**Automated setup and
auto book-feed function.**



Three-side Trimmer HT-30C

Innovative Three-side Trimmer

The new HT-30C three-side trimmer trims three sides of a book with a single knife. A pressure clamp holds and rotates the books for sequential top, fore-edge, and bottom trimming.

Robotic Trimming

The operator simply inputs untrimmed and trimmed book size at the color touchscreen. The HT-30C then performs all necessary setups automatically, and transports and trims each book.

Highly Accurate Finishing

Precise servo motors are employed for knife positioning to insure high quality trimming. The servo controlled hydraulic unit adjusts pressure automatically for markless trimming.

Nonstop Trimming

If the book dimensions are same, the HT-30C can trim books of different thickness continuously. Maximum trim thickness is 51 mm (2.0").

Powerful Trimming

Knife operation and book clamping are hydraulic controlled for safe and powerful trimming.

Safety Operation

The trimming section, feed table, and stacker are all interlocked and safety covered for maximum operator safety.

Manage your bindery with pXnet

The optional pXnet bindery control system makes job scheduling and tracking for the HT-30C super efficient, or accept JDF setup data from an upstream workflow.

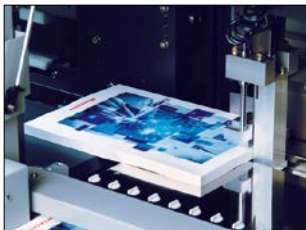
Simply set up the HT-30C through the color touchscreen and place the books on the feed table. Books are automatically transported through the process for accurate, professional trimming.



Robotic Trimming



Book Feeding



Book Transportation



Rotation



Trimming

The innovative HT-30C three-side trimmer performs book feeding, trimming, and stacking with full automation. You simply place a stack of books on the in-feed table. A suction feed system brings the books into position, where they are

gripped by a robotic arm which advances the block for downstream processing. The HT-30C can run unattended once it is setup and started, so the operator is free to perform book binding or other tasks.

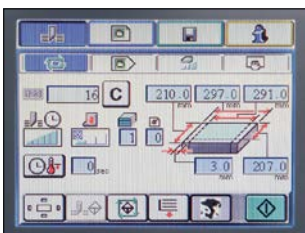
1 High Capacity Feed Table

The in-feed table can accept a maximum pile of 300 mm (11.8"). Books prepared on this table are transported to the trimming section automatically.

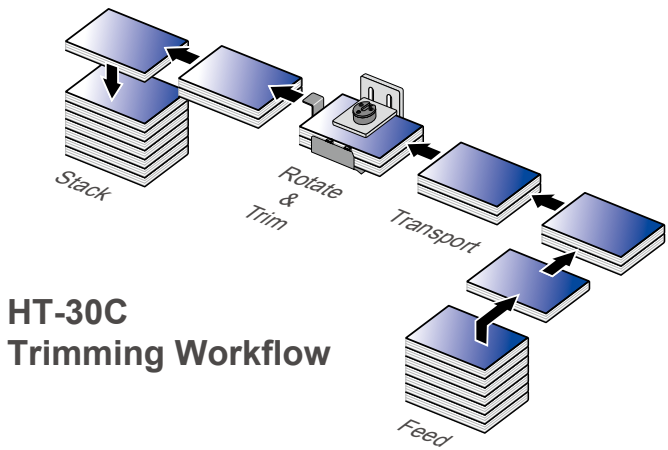


2 User-friendly Operation

The icon-based color touchscreen provides simple operation. First, input the untrimmed book size and then trimmed book size. Next, input the production speed and how many books are to be trimmed at once. Prepare the books on the feed table and start operation. No special operator skills are required. Up to 40 job setups can be stored into memory for easy job recall.



Operation Screen



HT-30C Trimming Workflow

3 Accurate Trimming

Precise servo motors are employed for accurate knife positioning and high quality trimming. The servo controlled hydraulic unit also adjusts pressure automatically depending on book size to ensure markless trimming. The HT-30C knife also descend in both directions - from left-to-right and right-to-left - to avoid the possibility of cover tears at the spine.



4 High Capacity Stacker

Trimmed books are delivered to the stacker which features a 300 mm (11.8") maximum pile height. The stacker section is covered for safety, but a viewing window allows the operator to monitor books in progress.

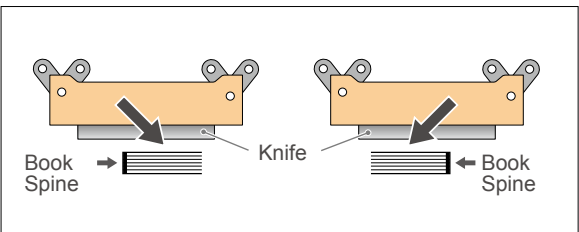
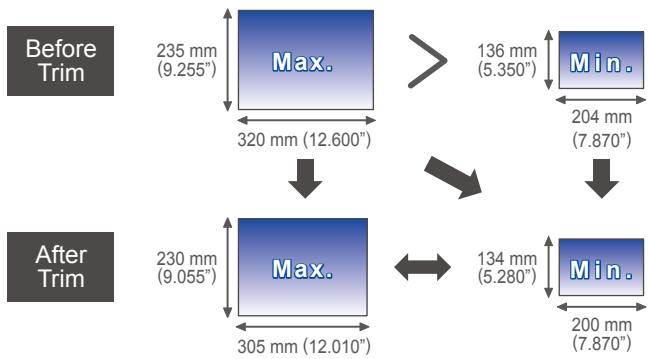


5 Easy Maintenance













Single knife trimming system reduces knife replacement time to 1/3 of normal three-knife trimmer. The HT-30C is equipped with a tungsten-carbide tipped trim knife for longer life. Knife and cutting stick replacement are easily performed from the rear sliding door.



Trim Size



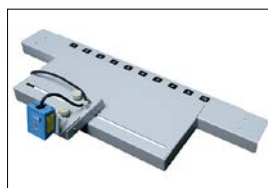
HT-30C Major Specifications

Untrimmed Book Size		Max. 320 x 235 mm / 12.600" x 9.255"
		Max. 320 x 305 mm / 12.600" x 12.010"
Trimmed Book Size		at maximum by using the optional cutting module for landscape size
		Max. 320 x 233.8 mm / 12.600" x 9.200"
Trimmed Book Size		at maximum by using the optional cutting module for A6 size
		Min. 204 x 136 mm / 7.870" x 5.350"
Trimmed Book Size		at minimum by using the optional cutting module
		Min. 152 x 136 mm / 5.985" x 5.350"
Trimmed Book Size		at minimum by using the optional cutting module for A6 size
		Min. 152 x 107 mm / 5.985" x 4.210"
Trimmed Book Size		at maximum by using the optional cutting module for landscape size
		Max. 305 x 230 mm / 12.010" x 9.055"
Trimmed Book Size		at maximum by using the optional cutting module for landscape size
		Max. 305 x 300 mm / 12.010" x 11.810"
Trimmed Book Size		at maximum by using the optional cutting module for A6 size
		Max. 305 x 133.9 mm / 12.010" x 5.275"
Trimmed Book Size		at maximum by using the optional cutting module for A6 size
		Min. 200 x 134 mm / 7.870" x 5.280"
Trimmed Book Size		at minimum by using the optional cutting module
		Min. 148 x 134 mm / 5.830" x 5.280"
Trimmed Book Size		at minimum by using the optional cutting module for A6 size
		Min. 148 x 105 mm / 5.830" x 4.130"
Trimmed Book Size		Landscape book size is A4 / B5 / A5 / 8.5" x 11" / 7" x 8.5" (by using the optional cutting module for each landscape size)
		Max. 99.9 mm / 3.930"
Trimming Width		Min. 2.0 mm / 0.080"
Trim Thickness		Max. 51 mm / 2.0"
Book Pile Height		Max. 300 mm / 11.8"
Clamp and Pressure		Hydraulically Operated
Voltage / Frequency		Automatic Settings: 4 kN / 5.5 kN / 8 kN, 3 Steps Selectable
Machine Dimensions		Manual Settings: 1.5 kN / 3 kN / 5 kN / 6.5 kN / 8 kN, 5 Steps Selectable
		3-Phase 200 / 220 / 400 V, 50 / 60 Hz
		W2,350 x D1,160 x H1,370 mm / W92.6" x D45.7" x H54.0"

Options

■ Variable Trimming Device V-30S:

Barcoded books placed on the feed table are read, then the HT-30C automatically changes-over to the indicated size before trimming begins. This eliminates manual data input.

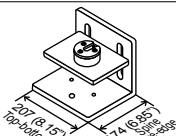
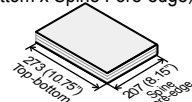
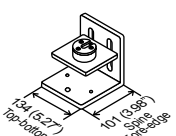
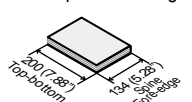
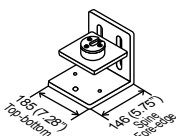
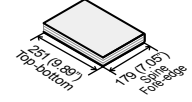
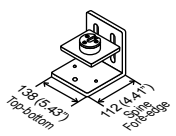
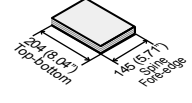
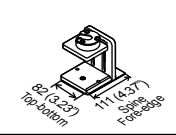
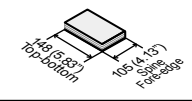
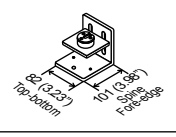
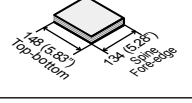
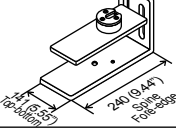
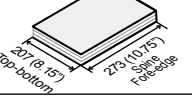
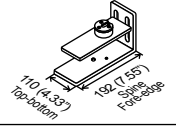
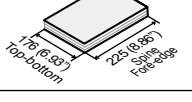
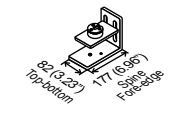
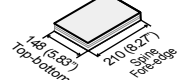


■ Rotary Table:

A wide variety of rotary tables are available to match different trimming sizes, except for standard tables. See the right chart for details.

*The machine design and specifications are subject to change without any notice.

Table

Standard	Table A (Large)	A4 / 11" x 8.5"
		Trimmed Book Size (Top-bottom x Spine Fore-edge) Min. 273 x 207 mm (10.75" x 8.15") 
Standard	Table B (Small)	B5, A5 / 9" x 6", 8.5" x 5.5"
		Trimmed Book Size (Top-bottom x Spine Fore-edge) Min. 200 x 134 mm (7.88" x 5.28") 
Portrait	Table B5	B5
		Trimmed Book Size (Top-bottom x Spine Fore-edge) Min. 251 x 179 mm (9.89" x 7.05") 
Portrait	Table A5	A5
		Trimmed Book Size (Top-bottom x Spine Fore-edge) Min. 204 x 145 mm (8.04" x 5.71") 
Portrait	Table A6 set	A6, B6
		Trimmed Book Size (Top-bottom x Spine Fore-edge) Min. 148 x 105 mm (5.83" x 4.13")  *The table, presser plate, and sub stop plate come in a set.
Option	Table XS	148 x 134 mm
		Trimmed Book Size (Top-bottom x Spine Fore-edge) Min. 148 x 134 mm (5.83" x 5.28") 
Landscape	Table C (Large)	A4E / 8.5" x 11"
		Trimmed Book Size (Top-bottom x Spine Fore-edge) Min. 207 x 273 mm (8.15" x 10.75") 
Landscape	Table D (Medium)	B5E
		Trimmed Book Size (Top-bottom x Spine Fore-edge) Min. 176 x 225 mm (6.93" x 8.86") 
Landscape	Table E (Small)	A5E / 6" x 9"
		Trimmed Book Size (Top-bottom x Spine Fore-edge) Min. 148 x 210 mm (5.83" x 8.27") 

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