Horizon

pX net Ready

HT-30C

Three-side Trimmer

Automated setup and auto book-feed function.

Horizon

On Demand Trimmer HT-30C

Three-side Trimmer HT-30C

Simply set up the
the books on the
through the proc

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.

HT-30C Trimming Workflow

Stack — Rotate & Trim — Transport — Feed

Trim Size

		Before Trim		After Trim

Before Trim

Max. — 235 mm or 9.255" / 320 mm or 12.600"

Min. — 136 mm or 5.350" / 204 mm or 7.870"

After Trim

Max. — 230 mm or 9.055" / 305 mm or 12.010"

Min. — 134 mm or 5.280" / 200 mm or 7.870"
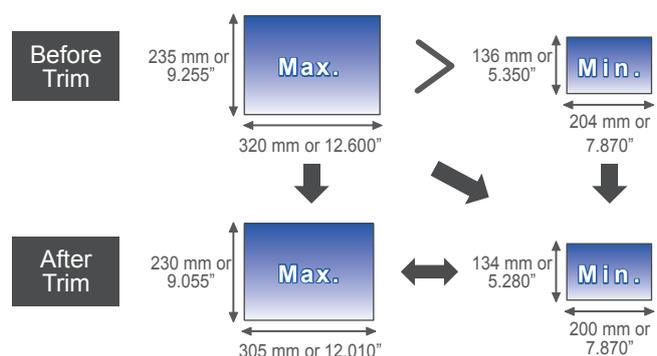
# e HT-30C through the color touchscreen and place feed table. Books are automatically transported ess for accurate, professional trimming.

Robotic Trimming

Book Feeding
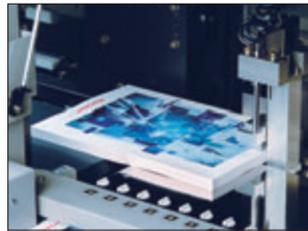
Book Transportation
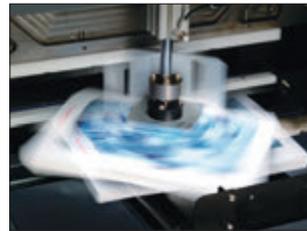
Rotation

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

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.

Book Spine → | Knife | ← Book Spine
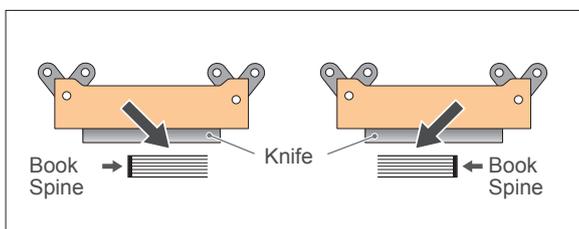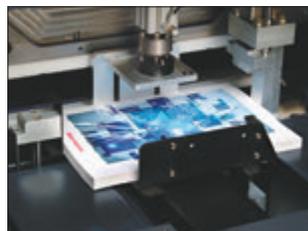
4 High Capacity Stacker

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.

HT-30C Major Specifications

|	
Untrimmed Book Size	**Spine Length × Fore-edge Length** Max. 320 x 235 mm or 12.600" x 9.255" Max. 320 x 305 mm or 12.600" x 12.010" at maximum by using the optional cutting module for landscape size Max. 320 x 233.8 mm or 12.600" x 9.200" at maximum by using the optional cutting module for A6 size Min. 204 x 136 mm or 7.870" x 5.350" Min. 152 x 136 mm or 5.985" x 5.350" at minimum by using the optional cutting module Min. 152 x 107 mm or 5.985" x 4.210" at minimum by using the optional cutting module for A6 size
Finished Book Size	**Spine Length × Fore-edge Length** Max. 305 x 230 mm or 12.010" x 9.055" Max. 305 x 300 mm or 12.010" x 11.810" at maximum by using the optional cutting module for landscape size Max. 305 x 133.9 mm or 12.010" x 5.275" at maximum by using the optional cutting module for A6 size Min. 200 x 134 mm or 7.870" x 5.280" Min. 148 x 134 mm or 5.830" x 5.280" at minimum by using the optional cutting module Min. 148 x 105 mm or 5.830" x 4.130" at minimum by using the optional cutting module for A6 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)
Trim Width	Max. 99.9 mm or 3.930" Min. 2.0 mm or 0.080"
Trim Height	Max. 51 mm or 2.0"
Book Stack Height	Max. 300 mm or 11.8"
Clamp System and Pressure	Hydraulically Operated Automatic Settings : 4kN / 5.5kN / 8kN 3 Steps Selectable Manual Settings : 1.5kN / 3kN / 5kN / 6.5kN / 8kN 5 Steps Selectable
Production Speed	Max. 440 books per hour (Book Thickness 25 mm, 2 piled books) Max. 500 books per hour (Book Thickness 10 mm, 5 piled books)
Voltage / Frequency	3-phase 200 V, 50 or 60 Hz 3-phase 220 V, 50 or 60 Hz (Step down to 200 V by Transformer) 3-phase 400 V, 50 or 60 Hz (Step down to 200 V by Transformer)
Machine Dimensions	W2,350 x D1,160 x H1,370 mm or 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.
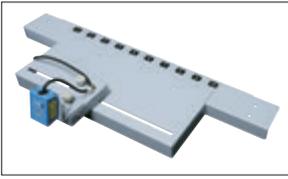
■ **Rotary Table:**
A wide variety of rotary tables are available to match different trimming sizes, except for standard tables. See the right chart for details.
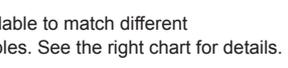
Table

Standard		Table A (Large)	A4 or 11" x 8.5"
			Trimmed Book Size (Top-bottom x Spine Fore-edge) Min. 273 x 207 mm or 10.75" x 8.15"
		Table B (Small)	B5, A5 or 9" x 6", 8.5" x 5.5"
			Trimmed Book Size (Top-bottom x Spine Fore-edge) Min. 200 x 134 mm or 7.88" x 5.28"
Portrait	Option	Table B5	B5
			Trimmed Book Size (Top-bottom x Spine Fore-edge) Min. 251 x 179 mm or 9.89" x 7.05"
		Table A5	A5
			Trimmed Book Size (Top-bottom x Spine Fore-edge) Min. 204 x 145 mm or 8.04" x 5.71"
		Table A6 set	A6, B6
			Trimmed Book Size (Top-bottom x Spine Fore-edge) Min. 148 x 105 mm or 5.83" x 4.13" *The table, presser plate, and sub stop plate come in a set.
		Table XS	148 x 134 mm
			Trimmed Book Size (Top-bottom x Spine Fore-edge) Min. 148 x 134 mm or 5.83" x 5.28"
Landscape		Table C (Large)	A4E or 8.5" x 11"
			Trimmed Book Size (Top-bottom x Spine Fore-edge) Min. 207 x 273 mm or 8.15" x 10.75"
		Table D (Medium)	B5E
			Trimmed Book Size (Top-bottom x Spine Fore-edge) Min. 176 x 225 mm or 6.93" x 8.86"
		Table E (Small)	A5E or 6" x 9"
			Trimmed Book Size (Top-bottom x Spine Fore-edge) Min. 148 x 210 mm or 5.83" x 8.27"
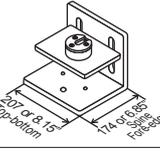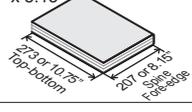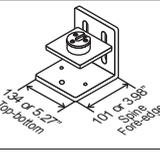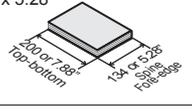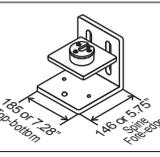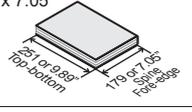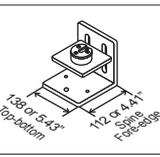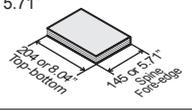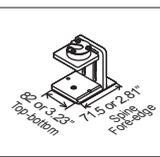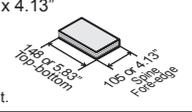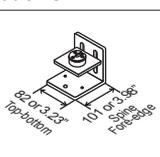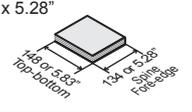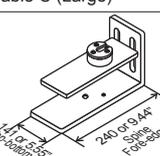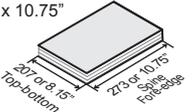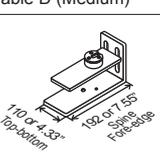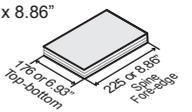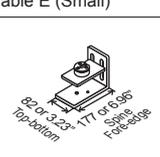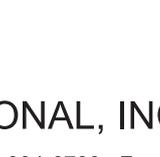
*The machine design and specifications are subject to change without any notice.

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