HT-30 Major Specifications

**Trimming Width**
Max. 320 x 235 mm (12.600" x 9.255")
Min. 200 x 134 mm (7.870" x 5.280")

**Trim Thickness**
Max. 99.9 mm (3.930")
Min. 2 mm (0.080")

**Book Pile Height**
Max. 51 mm (2.0")
Min. 2 mm (0.080")

**Clamp and Pressure**
Automatic Settings : 4 kN / 5.5 kN / 8 kN, 3 Steps Selectable
Manual Settings : 1.5 kN / 3 kN / 5 kN / 6.5 kN / 8 kN, 5 Steps Selectable

**Production Speed**
Max. 400 books/hr. (Book Thickness 25 mm, 2 piled books)
Max. 500 books/hr. (Book Thickness 10 mm, 5 piled books)

**Voltage / Frequency**
3-Phase 200 / 220 / 400 V, 50 / 60 Hz

**Rated Current**
3-Phase 200 V
- 60 Hz: 3.8 A (Max. 8.0 A)
- 50 Hz: 3.3 A (Max. 7.7 A)

**Power Consumption**
2,350(W) x 1,160(D) x 1,370(H) mm (92.6" x 45.7" x 54.0")

**Noise Level**
70 dB

**Machine Weight**
Main Body : 940 kg (2,073 lbs.)
Transformer : 77 kg (170 lbs.), Accessory : 3 kg (7 lbs.)

**Temperature & Humidity**
Temperature : +10  C to +30  C
Humidity : 30 % to 80 %RH

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Table

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**BQ-270 Major Specifications**

**Binding Mode**
Binding with milling, Binding without milling and Padding

**Number of Clamp**
1

**Book Block Size**
(Left-Bottom x Fore-edge)
Max. 320 x 320 mm (12.5" x 12.5")
Min. 135 x 105 mm (5.4" x 4.2")

**Book Thickness**
1 to 50 mm (0.04" to 2.00")

**Cover Size**
(Left-Bottom x Fore-edge)
Max. 320 x 660 mm (12.5" x 25.9")
Min. 135 x 230 mm (5.4" x 9.1")

**Cover Weight Range**
82 gsm to 302 gsm

**Cover Pile Height**
Max. 70 mm (2.7")

**Warm up Time**
40 min.

**Glue Temperature**
120 to 180 C (248 to 356 degrees Fahrenheit)

**Max. Milling Depth**
3 mm (0.12")

**Cycle Speed**
Max. 500 cycles/hr.

**Voltage / Frequency**
3-Phase 200 V
3-Phase 220 / 230 / 240 V
3-Phase 400 V

**Rated Current**
3-Phase 200 V
- 60 Hz: 10 A (Max. 15 A)
- 50 Hz: 9.4 A (Max. 15 A)

**Power Consumption**
7,870 kJ (1,880 kcal)
2,300(W) x 860(D) x 1,250(H) mm (90.6" x 33.9" x 49.3")

**Machine Weight**
900 kg (1,984.5 lbs.)

**The machine design and specifications are subject to change without any notice.**
HT-30 On Demand Trimmer

Features

1. Innovative Three-side Trimmer
   The new HT-30 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.

2. Robotic Trimming
   The operator simply inputs untrimmed and trimmed book size at the touch-screen. The HT-30 then performs all necessary setups automatically, and transports and trims each book.

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

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

5. Powerful Trimming
   Knife operation and book clamping are hydraulic-controlled for safe and powerful trimming.

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

7. Easy Maintenance
   Single knife trimming system reduces knife replacement time to 1/3 of normal three-knife trimmer. The HT-30 is equipped with a tungsten-carbide tipped trim knife for longer life.

User-friendly Operation

The icon-based touch screen 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.

Accurate Trimming

Highly accurate finishing. The servo-controlled hydraulic unit also adjusts pressure automatically depending on book size to ensure markless trimming. The HT-30 knife also descends in both directions - from left-to-right and right-to-left - to avoid the possibility of cover tears at the spine.

Perfectly Mached to the Single-Clamp Perfect Binder BQ-270

The BQ-270 and the HT-30 provide easy, safe, and comfortable binding and trimming without any special operating skills required. Bound books are simply placed into the HT-30 for automatic trimming, while book binding on the BQ-270 continues. This lets a single operator perform the complete binding and trimming process with maximum efficiency.

HT-30 Trimming Workflow

Book Feeding → Book Transportation → Rotation → Trimming

Rear Sliding Door for Easy Access

Knife and cutting stick replacement are easily performed from the rear of the trimmer. A sliding door on the rear side provides convenient access.

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.

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.
**HT-30 On Demand Trimmer**

### Robotic Trimming

The innovative HT-30 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-30 can run unattended once it is setup and started, so the operator is free to perform book binding or other tasks.

### Features

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  The new HT-30 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.

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### HT-30 Trimming Workflow

![HT-30 Trimming Workflow](image)

### HT-30 On Demand Trimmer in Action

- **Before Trim**
  - Trim Size: 235 mm (9.25”)
  - Min. 134 mm (5.28”)

- **After Trim**
  - Trim Size: 200 mm (7.88”)
  - Min. 134 mm (5.28”)

- **Trimmed books are delivered to the stacker which features a maximum pile of 300 mm (11.8”). Books prepared on this table are transported to the trimming section automatically.**

### Perfectly Mached to the Single-Clamp Perfect Binder BQ-270

- **HT-30**
- **BQ-270**

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