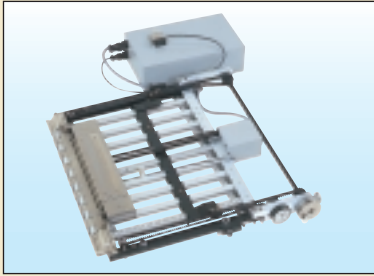


■ Gate Fold Buckle : GFB-54N



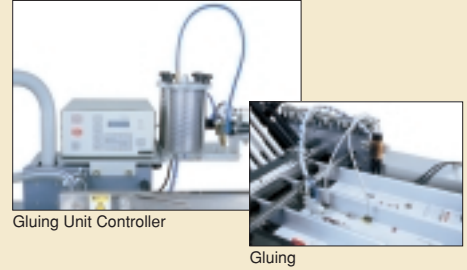
- The optional gate fold buckle provides for precise, accurate gate folding. The gate fold buckle can be set up quickly, with no special skill, and provides increased versatility and profitability.

■ Extension Table



- With the extension table and suction head stay, up to 1,100 mm (43.3") long sheet can be loaded for gate folding operation.

■ Gluing Unit : CGU-50



Gluing Unit Controller

Gluing

- Folding, gluing, and edge trimming operations are performed efficiently. The gluing unit CGU-50 can produce 8-page or 12-page glued booklets.
- The amount of glue can be adjusted depending on the dot size of glue.
- The computer controlled gluing unit ensures neatly finished booklets.
- The glue is suitable for recycling.

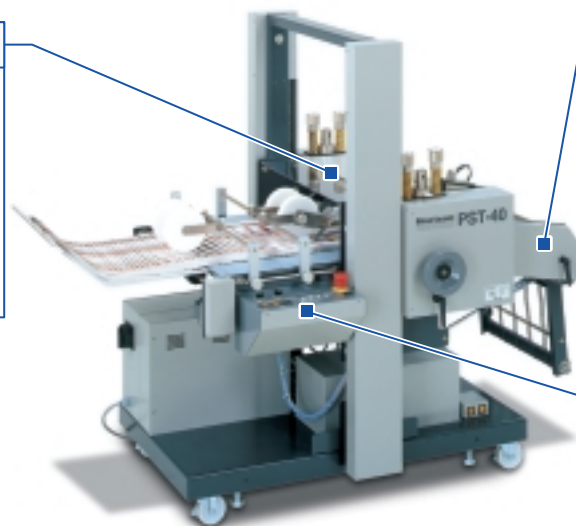
■ Press Stacker : PST-40

The PST-40 provides efficient folding operation.

- ◆ Maximum 440 mm (17.3") wide signature can be pressed.
- ◆ The first rollers remove the air and the second rollers powerfully compress the signatures for reduced bulk and tighter folds.
- ◆ The PST-40 can be started or stopped from the AFC-544AKTSC/546AKTSC control console.
- ◆ The round belt change system at the in-feed section minimizes set-up time for change of sheet size.
- ◆ The PST-40 can be operated independently of the folder for the pressing of saddle stitched booklets.
- ◆ The height of the press unit is simply adjusted by the remote controller.

Rollers

- The first rollers remove the air and the second rollers powerfully compress the signatures for reduced bulk and tighter folds.
- The roller gap can be adjusted by inserting the sheets to be pressed.
- A 16-page cross-fold can be compressed powerfully.



In-feed Section

- Multiple sheets are firmly held with the round belts and transported to the press section continuously.
- The feed angle can be adjusted to the sheet delivery from the folder.

Operation Panel

- Signatures can be offset separated individually or by group, depending on your job requirement.

PST-40 Major Specifications

Press Stacker			Adjustment Bolt	
Model	Press Stacker		Caster with Stopper	
Press Width	Max. 440 mm (17.3") [Without offset : 470 mm (18.5")]			
Press Length	Min. 64 mm (2.5")			
Production Speed	Depends on fold device.		Total Counter	Sheet Count / Offset Count
Roller Speed	Max. 210 m/min. (826.8"/min.)		Preset Counter	Setting of the Number of Offset Sheets (0 to 9999)
In-feed Section	Belt Change System		Single Phase 200 / 220 / 230 V, 50 / 60 Hz	
Offset	Number of Offset Sheets	1 sheet per setting (0 to 9999 sheets) or All	300 W, 50 Hz / 310 W, 60 Hz	
	Offset Amount	30 mm (1.1")	When Folded	1,200(W) x 795(D) x 1,230(H) mm (47.3" x 31.3" x 48.5")
Press	Air Remove Roller	Gap is adjustable by inserting the instructed number of sheets.	Machine Dimensions	When connecting to the parallel folding exit section :
	Press Roller	Pressure Welding (Gap is adjustable by inserting the instructed number of sheets.)		1,230(W) x 795(D) x 1,230(H) mm (48.5" x 31.3" x 48.5")
Conveyor	Model	Horizontal Delivery Conveyor	When Operating	[When pulling out the receiving tray : 1,540(W) mm (60.7")]
	Belt Speed	0 to 12 m/min. (0" to 47.2"/min.)		When connecting to the cross folding exit section :
In-feed Height	400 to 950 mm (15.8" to 37.4") [Tilt Vertical Interval 240 mm (9.4")]		1,490(W) x 795(D) x 1,230(H) mm (58.7" x 31.3" x 48.5")	
Main Body Lift	Moves up and down by a motor.		Machine Weight	
			280 kg (617.4 lb.)	

■ Strip Trim Device : AF-ST5



- Strip trimming is available for multiple-up jobs with slitter.

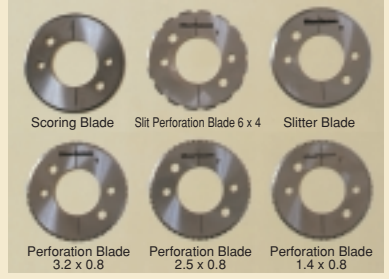


■ Center-Cut & Edge-Trim Device : CGU-T54



- The CGU-T54 can trim the edge of an 8-page or 12-page folded signature.

■ Blades



- A wide variety of optional blades are available for various applications, including slitter blades, different length perforation blades, and scoring blades.

■ i2i System

- The i2i system can be integrated with pre-press and printing workflow to create a comprehensive automated CIP4 bindery with the prospect of jobs passing from the eye of the creator to the eye of the beholder in a single i2i Net>Work>Flow for ultimate flexibility and efficiency in the on-demand era.

■ Short Conveyor : SCV-544

- ^{※4} The optional short conveyor is designed for limited space. The length is about two third of a standard conveyor.

^{※4} Machine Dimensions of the SCV-544 is described on the back page of this catalogue.

■ Press Stacking & Semi-auto Bundling Unit : TST-37

This unit presses and bundles each stack to eliminate time-consuming manual steps.

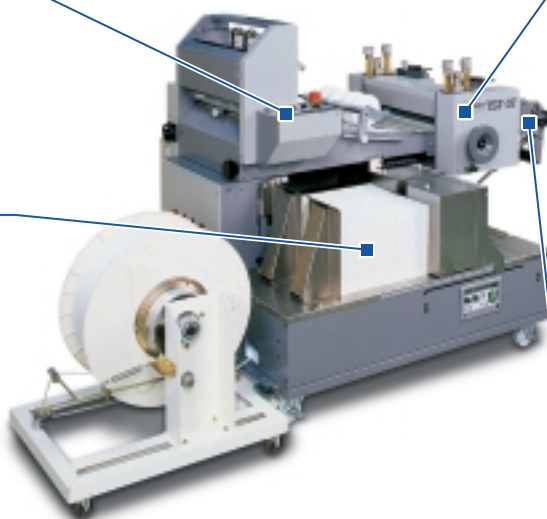
- ◆ The first rollers remove the air and the second rollers powerfully compress the signatures for reduced bulk and tighter folds.
- ◆ The TST-37 can be started or stopped from the AFC-544AKTSC/546AKTSC control console.
- ◆ The round belt change system at the in-feed section minimizes set-up time for change of sheet size.
- ◆ Pressed stacks are automatically transferred to the bundling section for optimum efficiency and labor savings.

Operation Panel

- The lamp illuminates in the event of misfeeding or mispressing.
- The TST-37 can start or stop the operation of the AFC-544AKTSC/546AKTSC .

Bundling Unit

- The bundling unit is manually operated so that the stack size and bundling timing can be set according to the folding speed.
- For operator convenience, the folded sheets are always positioned at the center of the bundling section, and the plastic tape is prepared automatically.



Rollers

- The first rollers remove the air and the second rollers powerfully compress the signatures for reduced bulk and tighter folds.
- Even a 16-page cross-fold can be compressed powerfully.
- The roller gap can be easily adjusted by inserting the sheets to be pressed.

In-feed Section

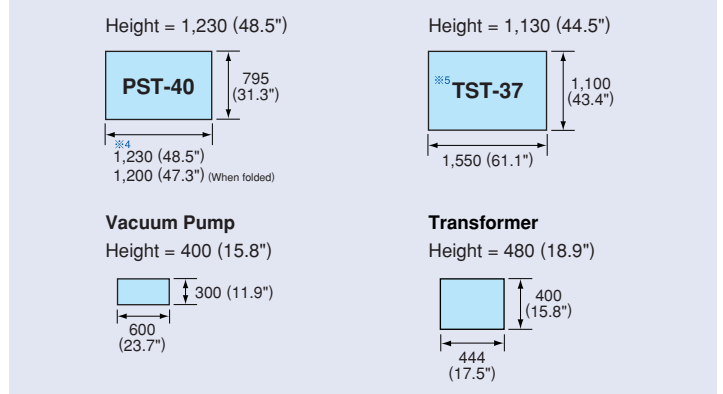
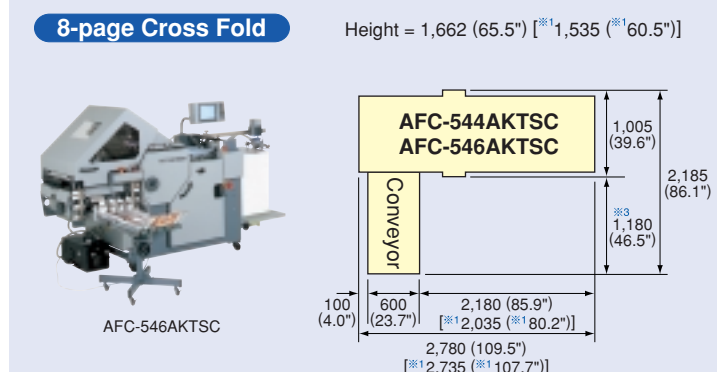
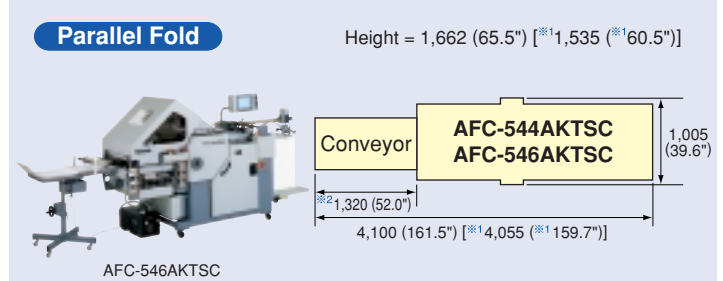
- The feed angle can be adjusted to the sheet delivery from the folder.

TST-37 Major Specifications

Model	Press Stacking & Semi-auto Bundling Unit		Stack Capacity Set-up	Setting by press guide position.	
Signature Size	Max. 370(W) x 260(L) mm (14.5" x 10.2")		Preset	Preset number of sheets setting on the folder are transferred to the bundling section when operating with the folder.	
	Min. 210(W) x 140(L) mm (8.3" x 5.6")		Transfer to Bundling Section	Operation After arriving at set-up stack capacity, sheet feeding of the folder is stopped to transfer.	
Production Speed	10,000 sheets/hr.		Compression Before Bundling	Transfer Position Folded sheets are automatically positioned at the center of the bundling section.	
Roller Speed	Max. 180 m/min. (708.7"/min.)		Bundling	Compression Power About 200 [N] (About 20 [Kgf])	
In-feed Section	Belt Change System			Unit	Semi-Automatic
Press	Air Remove Roller	Gap is adjustable by inserting the instructed number of sheets.	Operation Panel	Bundle PP Band 12(W) mm (0.47")	
	Press Roller	Pressure Welding (Gap is adjustable by inserting the instructed number of sheets.)		Total Counter / Error Lamp (No wrapping paper, Conveyor motor lock, Mis-transfer to bundling section, Mis-compression before bundling)	
Conveyor	Operation	Intermittent operation only at in-feed time.	Voltage / Frequency	3-Phase 200 / 220 V, 50 / 60 Hz Single Phase 220 / 230 / 240 V, 50 / 60 Hz (for Europe)	
	Belt Speed	0 to 12 m/min. (0" to 47.2"/min.)	Power Consumption	1.2 kW, 50 Hz / 1.1 kW, 60 Hz 3.0 kW, 50 / 60 Hz (for Europe)	
In-feed Height	440 to 680 mm (17.4" to 26.7")		Machine Dimensions	1,550(W) x 1,100(D) x 1,130(H) mm (61.1" x 43.4" x 44.5")	
Wrapping Paper Thickness	1 to 2.5 mm (0.04" to 0.09")			[Separate Reel : 665 x 460 x 525 mm (26.2" x 18.2" x 20.7")]	
Wrapping Paper Pile Height	45 mm (1.7")		Machine Weight	370 kg (815.9 lb.) [Separate Reel : 30 kg (66.2 lb.)]	
Stack Capacity	600 sheets (64 gsm, 16-page cross fold) (With attachment : 150 sheets)				

AFC-544AKTSC/546AKTSC Major Specifications		
Machine Structure	AFC-544AKTSC	4KTT (4 Buckles+Fold Knife+2 Buckles Below Knife)
	AFC-546AKTSC	6KTT (6 Buckles+Fold Knife+2 Buckles Below Knife)
Max. Sheet Size	538(W) x 750(L) mm (21.180" x 29.525") [1,100(L) mm (43.310") with optional extension table]	
Min. Sheet Size	128(W) x 148(L) mm (5.040" x 5.830") [Side Lay Guide Minimum Set Position : 74(W) mm (3.0")]	
Sheet Weight Range	35 to 220 gsm	
Buckle Fold Length	1st Buckle	30 to 450 mm (1.2" to 17.8")
	2nd to 4th Buckle	AFC-544AKTSC 30 to 360 mm (1.2" to 14.1")
	2nd to 6th Buckle	AFC-546AKTSC 30 to 150 mm (1.2" to 5.9")
Knife Fold Size	Max. 540(W) x 350(L) mm (21.2" x 13.7") [Knife Length : 360 mm (14.1")] Min. 160(W) x 30(L) mm (6.3" x 1.2") [190(W) mm (7.5") with automatic setup]	
Feeding Mechanism	Air Suction Rotor & 2 Cylinder Separator Head (Feed interval and suction time are adjustable.)	
Maximum Pile Height	AFC-544AKTSC	Max. 650 mm (25.5") [within 250 kg (551.3 lbs.)]
	AFC-546AKTSC	Max. 740 mm (29.1") [within 250 kg (551.3 lbs.)]
Belt Speed	50 to 230 m (54 to 250 yd.)/min. [Knife Fold : 180 m (196 yd.)/min.]	
Production Speed	35,000 sheets/hr. [A4 (8.5" x 11")-Parallel Fold]	
Standard Fold Roller	14,000 sheets/hr. [500(W) x 700(L) mm (19.7" x 27.6")-8-page Cross Fold]	
	Combination of Soft Polyurethane Foam Rubber and Steel Roller Optional side cut blades can be attached to the roller.	
Roller Gap Adjustment	Insert the instructed number of sheets into the gap adjust lever.	
Slit Perforation	Cut 6 mm (0.24"), Blank 4 mm (0.16")	
Perforation	Cut 2.5 mm (0.1"), Blank 0.8 mm (0.03")	
	[Option : Cut 3.2 mm (0.13"), Blank 0.8 mm (0.03") / Cut 1.4 mm (0.06"), Blank 0.8 mm (0.03")]	
	Min. Perforation Distance : 40 mm (1.58") [Min. Distance from Sheet Edge : 12 mm (0.48")]	
Scoring	Scoring Width : About 1 mm (0.04") (Depends on sheet type)	
Number of Holders	Standard : 1 Slit Perforation Blade, 2 Perforation Blades / Max. 12 blades can be attached.	
Automatic Setup	Side Lay Guide, 1st to 4th Buckle [AFC-544AKTSC] / 1st to 6th Buckle [AFC-546AKTSC], Knife Stopper, Knife Guide (Front / Rear), K1 / K2 Buckle Below Knife	
Automatic Setup Accuracy	Setting Dimension : +/- 1 mm / Round Accuracy : +/- 0.1 mm	
Deflectors	1st to 4th Buckle	AFC-544AKTSC
	1st to 6th Buckle	AFC-546AKTSC
	K1 / K2 Buckle (Below Knife)	
Fold Patterns	AFC-544AKTSC	Parallel Fold, Short Fold, Open Gate Fold, Accordion Fold, Zigzag (4 panel) Fold, Zigzag (5 panel) Fold, Letter Fold, Double Parallel
	AFC-546AKTSC	Fold, 8-page Cross Fold, 12-page Cross Fold, DL Fold (Letter / Accordion), Zigzag Cross Fold, 16-page Transformation Fold
	AFC-546AKTSC Only	Zigzag (6 panel) Fold, Zigzag (7 panel) Fold, Roll Fold
Job Memory	200 Jobs	
Vacuum Pump	Flow	40 m ³ /hr.
	Voltage / Frequency	3-Phase ∇ 230 / Y400 V +/-10 % 50 / 60 Hz
	Power Consumption	1.8 kW / 2.2 kW (50 / 60 Hz)
Voltage / Frequency	AFC-544AKTSC	3-Phase 200 / 220 V, 50 / 60 Hz 400 V, 50 Hz
	AFC-546AKTSC	3-Phase 200 / 208 / 220 V, 50 / 60 Hz 380 / 400 / 415 V, 50 Hz
Rated Current	AFC-544AKTSC	3-Phase 200 V, 50 / 60 Hz, 9.8 A
		3-Phase 220 V, 50 Hz, 10.0 A / 60 Hz, 11.3 A
		3-Phase 400 V, 50 Hz, 5.3 A
	AFC-546AKTSC	3-Phase 200 V, 50 Hz, 9.0 A / 60 Hz, 11.4 A
		3-Phase 208 V, 50 Hz, 9.0 A / 60 Hz, 10.4 A
		3-Phase 220 V, 50 / 60 Hz, 8.6 A
Power Consumption (Including Pump)	AFC-544AKTSC	3-Phase 380 / 400 / 415 V, 50 Hz, 5.0 A
		3-Phase 200 V, 50 Hz, 2.7 kW / 60 Hz, 3.1 kW
		3-Phase 220 V, 50 Hz, 3.0 kW / 60 Hz, 3.8 kW
		3-Phase 400 V, 50 Hz, 2.8 kW
	AFC-546AKTSC	3-Phase 200 V, 50 Hz, 2.7 kW / 60 Hz, 3.6 kW
		3-Phase 208 / 220 V, 50 Hz, 2.8 kW / 60 Hz, 3.4 kW
Heat Output	3,850 kJ (920 kcal)	
Motors	0.75 kW x 1 / 0.2 kW x 2 / 40 W x 1 / 0.2 kW x 1 (Servo)	
Machine Dimensions	AFC-544AKTSC	2,735(W) x 1,005(D) x 1,535(H) mm (107.7" x 39.6" x 60.5")
	AFC-546AKTSC	2,780(W) x 1,005(D) x 1,662(H) mm (109.5" x 39.6" x 65.5")
	Conveyor	1,320(W) x 600(D) x 1,130(H) mm (52.0" x 23.7" x 44.5")
Installation Space	5,100(W) x 3,709(D) mm (200.8" x 146.1")	
Noise Level	L _A peak : 88.1 dB / L _{Aeq} : 85.4 dB	
Machine Weight	AFC-544AKTSC	Main Body : 770 kg (1,697.9 lbs.)
	AFC-546AKTSC	Main Body : 830 kg (1,830.2 lbs.)
	Conveyor : 50 kg (110.3 lbs.) / Vacuum Pump : 50 kg (110.3 lbs.) / Transformer : 70 kg (154.4 lbs.)	
Temperature & Humidity	Temperature 0°C to +45°C, Humidity 20 % to 75 %RH	

Machine Dimensions Unit : mm (inch)



※1 Machine Dimensions for AFC-544AKTSC.
 ※2 Min. 630 mm (24.9") to Max. 860 mm (33.9") when connecting with the optional short conveyor SCV-544.
 ※3 Min. 480 mm (18.9") to Max. 710 mm (28.0") when connecting with the optional short conveyor SCV-544.
 ※4 Min. 1,230 mm (48.5") to Max. 1,540 mm (60.7") when connecting to the parallel folding exit section.
 Min. 1,490 mm (58.7") to Max. 1,800 mm (70.9") when connecting to the cross folding exit section.
 ※5 The separate reel will be attached to the opposite side of the in-feed section.



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

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