AFC-544AKTSC/546AKT Press Stacker PST-40 Press Stacking & Semi-auto Bundling Unit TST-37

## \*1Equipped with 6 buckle plates for a wide variety of folding. The AFC-544AKTSC/546AKTSC features user-friendly operation with automatic adjustment function.

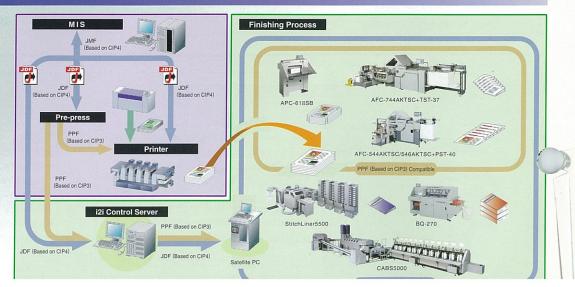
**X1** AFC-544AKTSC is equipped with 4 buckles

- \*217 fold patterns -- including 8-page cross fold, letter fold, and DL fold -- are set by simply touching the icon for desired fold pattern and inputting the paper size on the large LCD touch-screen. \*\*312 different sections are set automatically by stepper motor.
- High production speed (belt speed 230 m (250 yd.)/min., 35,000 sheets/hr. (A4 / 8.5" x 11" -parallel fold), 43,000 sheets/hr. (A5 / 5.5" x 8.5" -parallel fold)).
- Optional extension table and suction head stay can be provided for gate folding operation.
- Advanced urethane foam (soft PU) rubber ensures accurate folding.
- The automated set-up takes just 14 seconds. The LCD touch-screen prompts the operator through all remaining settings, for fast, efficient production. All adjustments are user-friendly and require minimal skill or training.
- The AFC-544AKTSC/546AKTSC lets you memorize up to 100 different job settings, for quick and easy restart of regular jobs. In addition to sheet size, you can memorize belt speed, suction time, feed intervals, knife delay time, press stacker setting (option), and the date to store the job.
- The Operation Record Indicator provides complete system status at a glance.
- A wide range of optional accessories -- such as gate fold buckle, press stacker, edge-trim device, strip trim device, and gluing unit -- help you tackle a wide range of folding applications.
- Optional devices such as gate fold buckle and press stacker can be set-up and operated through the main LCD console on the AFC-544AKTSC/546AKTSC.
- The AFC-544AKTSC/546AKTSC can be enhanced with Horizon's unique \*4i2i network flow system.
  - 2 14 fold patterns are set on the AFC-544AKTSC.
    3 10 sections are set on the AFC-544AKTSC.
    4 The i2i system is option.

#### What is i2i System?



The Horizon 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.





The AFC-544AKTSC/546AKTSC computer controlled cross-folder is precision engineered for quality folding in minimum space.

The large icon-based touch-screen provides a simple, powerful user interface the AFC-544AKTSC/546AKTSC combines Horizon's advanced folding technology with simple operation and superior folding quality.



## AUTO

#### SHOWS AUTOMATED SET-UP SECTIONS.

A total of \*\*112 sections (\*\*21st to 6th buckles; knife stoppe two knife guides, and two buckles below knife at the fold knife section; and side lay guide) are set-up automatically.

- ※1 A total of 10 sections are set automatically on the AFC-544AKTSC.
- \*2 The 1st to 4th buckles are set automatically on the AFC-544AKTSC.



- The specially-coated fold plate creates less friction with the paper to help maintain fold accuracy.
- The buckle section is set-up automatically by inputting the fold pattern and sheet size via the LCD touch-screen display.
- The buckle has a simple flip-over deflector.



## Conveyor

 Conveyor height can be adjusted by the hand wheel to the proper sheet delivery height.

### **Sub-Operation Panel**

 Basic operation- Start, Stop, Inching operation, and Test feeding are possible to perform.







### Fold Knife



- The servomotor-controlled knife can fold 24,000 sheets/hr.
- The feed interval is automatically set according to the knife delay time for maximum folding efficiency.
- The ability to inch the knife avoids trial-and-error test folding.



#### Perforation



- The system supports perforation, slit perforation, scoring, slitting, and strip trimming.
- The perforation shaft is quick and easy to install or detach.
- 3 sets of cutter blade holders are provided standard. Three perforation and two scoring operations are possible. A maximum of 12 blades can be attached.

#### **LCD Touch-Screen**







Fold Pattern Set-up Screen

- The large LCD touch-screen is provided for operator convenience.
- The roller gap set-up screen indicates the number of sheets to be inserted for roller gap adjustment.
- \*\*3 17 fold patterns can be set-up on the fold pattern set-up screen.
- Fine-adjustments are simple and easy.
- Forward and reverse inching simplify jam clearance.

※3 14 fold patterns can be set-up on the AFC-544AKTSC.

#### **Suction Head**



- Two cylinder suction head system provides accurate sheet separation for high speed feeding.
- Innovative suction head allows smooth feeding without double feeding even with recycled papers.

#### **Feed Rotor**

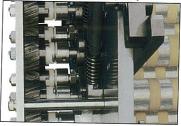


- Suction angle can be adjusted for various sheet types.
- The feed rotor employs high quality polyurethane to prevent sheet scratching or glittering.
- Maximum feeding speed is 35,000 sheets/hr. (A4 / 8.5" x 11"-parallel fold) or 43,000 sheets/hr. (A5 / 5.5" x 8.5" -parallel fold).

#### **Folding Rollers**



Helical gears driven with flexible cross couplings for quality fold.



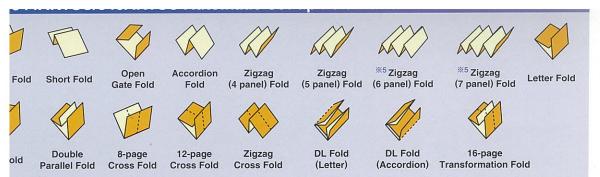
- The uniquely designed combination of urethane foam (soft PU) rubber and steel rollers have superior grip for sharp, consistent paper folding.
- The fold roller system employs helical gears for quiet operation and flexible cross couplings for quality folding.
- The operator's screen indicates the required fold roller gap adjustment. The operator then simply inserts the indicated number of sheets.

## Side Lay Guide

### Side Lay Guide



• The side lay guide is coated with a special anti-static plating.



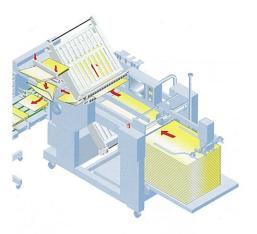
**%5** For AFC-546AKTSC Only

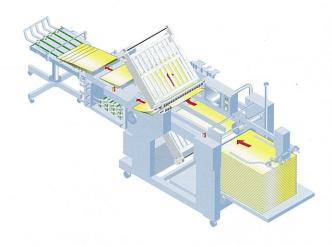


AFC-546AKTSC + PST-40 (Option)

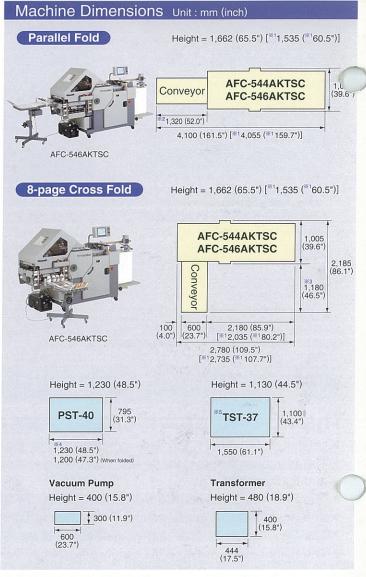
## w with Cross Folding Operation

## **Sheet Flow with Parallel Folding Operation**





AFU-544 <i>F</i>	AK I SC/546			or Specifications			
Machine Structure	AFC-544AKTSC	4K	TT (4 Buckles+Fo	ld Knife+2 Buckles Below Knife)			
Machine Structure	AFC-546AKTSC	AFC-546AKTSC 6KTT (4 Buckles+Fold Knife+2 Buckles Below Knife)					
M Ob O'	540(W) x 750(L) mm (21.2" x 29.5")						
Max. Sheet Size	[1,100(L) mm (43.3") with optional extension table]						
	128(W) x 148(L) mm (5.1" x 5.9")						
Min. Sheet Size	[Side Lay Guide Minimum Set Position : 74(W) mm (3.0")]						
Sheet Weight Range	35 to 220 gsm						
		1	1st Buckle	30 to 450 mm (1.2" to 17.8")			
	AFC-544AKTSC		to 4th Buckle	30 to 360 mm (1.2" to 14.1")			
	7.11 0 0 1 17 11 11 00	-	1 / K2 Buckle	30 to 150 mm (1.2" to 5.9")			
Buckle Fold Length		10000	1st Buckle	30 to 450 mm (1.2" to 17.8")			
	AFC-546AKTSC		to 6th Buckle	30 to 360 mm (1.2" to 14.1")			
	AFC-546AK15C	1000000	/ K2 Buckle	30 to 140 mm (1.2" to 5.5")			
		2000					
Knife Fold Size				(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 set-up]						
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 lb.)]						
maximani i no moigini	AFC-546AKTSC	AFC-546AKTSC Max. 740 mm (29.1") [within 250 kg (551.3 lb.)]					
Belt Speed	50 to 230 m (54 to 250 yd.)/min. [Knife Fold : 180 m (196 yd.)/min.]						
Production Speed	35,0	000 she	ets/hr. [A4 (8.5")	x 11")-Parallel Fold]			
r roduction Speed	14,000 sheets/hi	r. [500(V	V) x 700(L) mm (1	9.7" x 27.6")-8-page Cross Fold]			
Standard Fold Roller	Combination	Combination of Urethane Foam (soft PU) Rubber and Steel Roller					
Standard Fold Holler				ached to the roller.			
Roller Gap Adjustment	-			ts into the gap adjust lever.			
Bursting			mm (0.24"), Blani				
- and and			mm (0.1"), Blank				
Perforation		[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")					
	The state of the s						
				dge : 12 mm (0.48")]			
Scoring				) (Depends on sheet type)			
Cutters			The state of the s	s / Max. 12 blades can be attached.			
Automatic Setup				SC] / 1st to 6th Buckle [AFC-			
				Rear), K1 / K2 Buckle Below Knife			
Automatic Setup Accuracy	Setting D	imensic	on: ±1 mm / Rou	and Accuracy: ± 0.1 mm			
	1st to 4th Buc	kle	AFC-544AKTSC	Buckle Stopper and Deflector			
Deflectors	1st to 6th Buc	kle	AFC-546AKTSC	Buckle Stopper and Deflector			
	K1 / K2 Buckle (Belov	w Knife)	Buckle	Stopper and Deflector			
		Parallel	Fold, Short Fold, Op	en Gate Fold, Accordion Fold, Zigzag			
	AFC-544AKTSC						
Fold Patterns	AFC-546AKTSC			page Cross Fold, DL Fold (Letter /			
				ld, 16-page Transformation Fold			
	AFC-546AKTSC Only			g (7 panel) Fold, Roll Fold,			
Job Memory	THE COLONIAL COLONY	1 = 9==9	100 Jobs	g (, paney) etal (tan ) etal			
oob momory	Flow		40 m <sup>3</sup> /hr.				
Vacuum Pump	Voltage / Freque	oncv		Y400 V ± 10 % 50 / 60 Hz			
vacuum ump	Power Consum		1.8 kW / 2.2 kW				
Voltage / Erocusas			e 200 / 220 / 400				
Voltage / Frequency			E 200 / 220 / 400	V, JU / OU FIZ			
		0 0	00 000 1/ 50 / 00				
	AEO E4111/EEC		se 200 V, 50 / 60	Hz, 9.8 A			
	AFC-544AKTSC	3-Pha	se 220 V, 50 Hz,	Hz, 9.8 A 10.0 A / 60 Hz, 11.3 A			
Rated Current	AFC-544AKTSC	3-Pha	se 220 V, 50 Hz, se 400 V, 50 Hz,	Hz, 9.8 A 10.0 A / 60 Hz, 11.3 A 5.3 A			
Rated Current		3-Pha 3-Pha 3-Pha	se 220 V, 50 Hz, se 400 V, 50 Hz, se 200 V, 50 Hz,	Hz, 9.8 A 10.0 A / 60 Hz, 11.3 A 5.3 A 9.0 A / 60 Hz, 11.4 A			
Rated Current	AFC-544AKTSC  AFC-546AKTSC	3-Pha 3-Pha 3-Pha 3-Pha	se 220 V, 50 Hz, se 400 V, 50 Hz, se 200 V, 50 Hz, se 220 V, 50 / 60	Hz, 9.8 A 10.0 A / 60 Hz, 11.3 A 5.3 A 9.0 A / 60 Hz, 11.4 A Hz, 8.6 A			
Rated Current		3-Pha 3-Pha 3-Pha 3-Pha	se 220 V, 50 Hz, se 400 V, 50 Hz, se 200 V, 50 Hz,	Hz, 9.8 A 10.0 A / 60 Hz, 11.3 A 5.3 A 9.0 A / 60 Hz, 11.4 A Hz, 8.6 A			
Rated Current		3-Pha 3-Pha 3-Pha 3-Pha 3-Pha	se 220 V, 50 Hz, se 400 V, 50 Hz, se 200 V, 50 Hz, se 220 V, 50 / 60 se 400 V, 50 Hz,	Hz, 9.8 A 10.0 A / 60 Hz, 11.3 A 5.3 A 9.0 A / 60 Hz, 11.4 A Hz, 8.6 A			
Rated Current		3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha	se 220 V, 50 Hz, se 400 V, 50 Hz, se 200 V, 50 Hz, se 220 V, 50 / 60 se 400 V, 50 Hz, se 200 V, 50 Hz,	Hz, 9.8 A 10.0 A / 60 Hz, 11.3 A 5.3 A 9.0 A / 60 Hz, 11.4 A Hz, 8.6 A 5.0 A			
	AFC-546AKTSC	3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha	se 220 V, 50 Hz, se 400 V, 50 Hz, se 200 V, 50 Hz, se 220 V, 50 / 60 se 400 V, 50 Hz, se 200 V, 50 Hz,	Hz, 9.8 A 10.0 A / 60 Hz, 11.3 A 5.3 A 9.0 A / 60 Hz, 11.4 A Hz, 8.6 A 5.0 A 2.7 kW / 60 Hz, 3.1 kW 3.0 kW / 60 Hz, 3.8 kW			
	AFC-546AKTSC	3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha	se 220 V, 50 Hz, se 400 V, 50 Hz, se 200 V, 50 Hz, se 220 V, 50 / 60 se 400 V, 50 Hz, se 200 V, 50 Hz, se 220 V, 50 Hz, se 400 V, 50 Hz,	Hz, 9.8 A 10.0 A / 60 Hz, 11.3 A 5.3 A 9.0 A / 60 Hz, 11.4 A Hz, 8.6 A 5.0 A 2.7 kW / 60 Hz, 3.1 kW 3.0 kW / 60 Hz, 3.8 kW			
Power Consumption	AFC-546AKTSC AFC-544AKTSC	3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha	se 220 V, 50 Hz, se 400 V, 50 Hz, se 200 V, 50 Hz, se 220 V, 50 / 60 se 400 V, 50 Hz, se 200 V, 50 Hz, se 220 V, 50 Hz, se 400 V, 50 Hz, se 200 V, 50 Hz,	Hz, 9.8 A  10.0 A / 60 Hz, 11.3 A  5.3 A  9.0 A / 60 Hz, 11.4 A  Hz, 8.6 A  5.0 A  2.7 kW / 60 Hz, 3.1 kW  3.0 kW / 60 Hz, 3.8 kW  2.8 kW  2.7 kW / 60 Hz, 3.6 kW			
Power Consumption	AFC-546AKTSC	3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha	se 220 V, 50 Hz, se 400 V, 50 Hz, se 200 V, 50 Hz, se 220 V, 50 /60 se 400 V, 50 Hz, se 200 V, 50 Hz, se 200 V, 50 Hz, se 200 V, 50 Hz, se 200 V, 50 Hz,	Hz, 9.8 A  10.0 A / 60 Hz, 11.3 A  5.3 A  9.0 A / 60 Hz, 11.4 A  Hz, 8.6 A  5.0 A  2.7 kW / 60 Hz, 3.1 kW  3.0 kW / 60 Hz, 3.8 kW  2.7 kW / 60 Hz, 3.6 kW  2.8 kW			
Power Consumption (Including Pump)	AFC-546AKTSC AFC-544AKTSC	3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha	se 220 V, 50 Hz, se 400 V, 50 Hz, se 200 V, 50 Hz, se 220 V, 50 /60 se 400 V, 50 Hz, se 220 V, 50 Hz, se 220 V, 50 Hz, se 400 V, 50 Hz, se 220 V, 50 Hz, se 220 V, 50 Hz, se 220 V, 50 Hz,	Hz, 9.8 A  10.0 A / 60 Hz, 11.3 A  5.3 A  9.0 A / 60 Hz, 11.4 A  Hz, 8.6 A  5.0 A  2.7 kW / 60 Hz, 3.1 kW  3.0 kW / 60 Hz, 3.8 kW  2.7 kW / 60 Hz, 3.6 kW  2.8 kW			
Power Consumption (Including Pump) Heat Output	AFC-546AKTSC  AFC-546AKTSC  AFC-546AKTSC	3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha	se 220 V, 50 Hz, se 400 V, 50 Hz, se 200 V, 50 Hz, se 220 V, 50 / 60 se 400 V, 50 Hz, se 200 V, 50 Hz, se 220 V, 50 Hz, se 400 V, 50 Hz, se 200 V, 50 Hz, se 200 V, 50 Hz, se 400 V, 50 Hz, se 400 V, 50 Hz,	Hz, 9.8 A 10.0 A / 60 Hz, 11.3 A 5.3 A 9.0 A / 60 Hz, 11.4 A Hz, 8.6 A 5.0 A 2.7 kW / 60 Hz, 3.1 kW 3.0 kW / 60 Hz, 3.8 kW 2.8 kW 2.8 kW / 60 Hz, 3.6 kW 2.8 kW / 60 Hz, 3.4 kW			
Power Consumption (Including Pump)	AFC-546AKTSC  AFC-544AKTSC  AFC-546AKTSC  0.75 kW	3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha	se 220 V, 50 Hz, se 400 V, 50 Hz, se 220 V, 50 Hz, se 220 V, 50 Hz, se 200 V, 50 Hz, se 200 V, 50 Hz, se 220 V, 50 Hz, se 400	Hz, 9.8 A  10.0 A / 60 Hz, 11.3 A  5.3 A  9.0 A / 60 Hz, 11.4 A  Hz, 8.6 A  5.0 A  2.7 kW / 60 Hz, 3.1 kW  3.0 kW / 60 Hz, 3.8 kW  2.8 kW  2.8 kW / 60 Hz, 3.6 kW  2.8 kW / 60 Hz, 3.4 kW  2.8 kW			
Power Consumption (Including Pump) Heat Output Motors	AFC-546AKTSC  AFC-546AKTSC  AFC-546AKTSC  0.75 kW  AFC-544AKTSC	3-Pha: 3-Pha: 3-Pha: 3-Pha: 3-Pha: 3-Pha: 3-Pha: 3-Pha: 3-Pha: 3-Pha: 3-Pha: 3-Pha: 3-Pha: 3-Pha:	se 220 V, 50 Hz, se 400 V, 50 Hz, se 220 V, 50 Hz, se 220 V, 50 / 60, se 400 V, 50 Hz, se 200 V, 50 Hz, se 200 V, 50 Hz, se 200 V, 50 Hz, se 200 V, 50 Hz, se 400 V, 50 Hz, 880 kcal	Hz, 9.8 A  10.0 A / 60 Hz, 11.3 A  5.3 A  9.0 A / 60 Hz, 11.4 A  Hz, 8.6 A  5.0 A  2.7 kW / 60 Hz, 3.1 kW  3.0 kW / 60 Hz, 3.8 kW  2.8 kW  2.7 kW / 60 Hz, 3.6 kW  2.8 kW  2.8 kW  4.1 / 0.2 kW x 1 (Servo)  35(H) mm (107.7" x 39.6" x 60.5")			
Power Consumption (Including Pump) Heat Output Motors	AFC-546AKTSC  AFC-546AKTSC  0.75 kW  AFC-544AKTSC  AFC-546AKTSC  AFC-546AKTSC	3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 2-Pha 2-735(V	se 220 V, 50 Hz, se 400 V, 50 Hz, se 200 V, 50 Hz, se 220 V, 50 / 60, se 400 V, 50 Hz, se 200 V, 50 Hz, se 400 V, 50 Hz, se 400 V, 50 Hz, se 400 V, 50 Hz, which is a second of the control of	Hz, 9.8 A  10.0 A / 60 Hz, 11.3 A  5.3 A  9.0 A / 60 Hz, 11.4 A  Hz, 8.6 A  5.0 A  2.7 kW / 60 Hz, 3.1 kW  3.0 kW / 60 Hz, 3.8 kW  2.8 kW  2.7 kW / 60 Hz, 3.6 kW  2.8 kW  2.8 kW  4.1 / 0.2 kW x 1 (Servo)  35(H) mm (107.7" x 39.6" x 60.5")  62(H) mm (109.5" x 39.6" x 65.5")			
Power Consumption (Including Pump)  Heat Output  Motors  Machine Dimensions	AFC-546AKTSC  AFC-546AKTSC  0.75 kW  AFC-544AKTSC  AFC-546AKTSC  Conveyor	3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha	se 220 V, 50 Hz, se 400 V, 50 Hz, se 200 V, 50 Hz, se 400	Hz, 9.8 A  10.0 A / 60 Hz, 11.3 A  5.3 A  9.0 A / 60 Hz, 11.4 A  Hz, 8.6 A  5.0 A  2.7 kW / 60 Hz, 3.1 kW  3.0 kW / 60 Hz, 3.8 kW  2.8 kW  2.7 kW / 60 Hz, 3.6 kW  2.8 kW / 60 Hz, 3.6 kW  3.0 kW / 60 Hz, 3.6 kW  3.0 kW / 60 Hz, 3.6 kW  3.0 kW / 60 Hz, 3.6 kW  3.1 / 0.2 kW x 1 (Servo)  35(H) mm (107.7" x 39.6" x 65.5")  62(H) mm (109.5" x 39.6" x 65.5")  0(H) mm (52.0" x 23.7" x 44.5")			
Power Consumption (Including Pump)  Heat Output Motors  Machine Dimensions  Installation Space	AFC-546AKTSC  AFC-546AKTSC  0.75 kW  AFC-544AKTSC  AFC-546AKTSC  Conveyor  5,	3-Pha	se 220 V, 50 Hz, se 400 V, 50 Hz, se 200 V, 50 Hz, se 400 V, 50 Hz, se 200 V, 50 Hz, which is a series of the control of th	Hz, 9.8 A  10.0 A / 60 Hz, 11.3 A  5.3 A  9.0 A / 60 Hz, 11.4 A  Hz, 8.6 A  5.0 A  2.7 kW / 60 Hz, 3.1 kW  3.0 kW / 60 Hz, 3.8 kW  2.8 kW  2.7 kW / 60 Hz, 3.6 kW  2.8 kW  2.8 kW  2.8 kW  2.8 kW  2.7 kW / 60 Hz, 3.6 kW  2.8 kW  2.8 kW  2.7 kW / 60 Hz, 3.6 kW  2.8 kW  2.7 kW / 60 Hz, 3.6 kW  2.8 kW  2.7 kW / 60 Hz, 3.6 kW  2.8 kW  2.7 kW / 60 Hz, 3.6 kW  2.8 kW  2.8 kW  2.9 kW  2.1 / 0.2 kW x 1 (Servo)  35(H) mm (107.7" x 39.6" x 60.5")  26(H) mm (109.5" x 39.6" x 65.5")  20(1.8" x 146.1")			
Power Consumption (Including Pump)  Heat Output  Motors  Machine Dimensions	AFC-546AKTSC  AFC-546AKTSC  0.75 kW  AFC-544AKTSC  AFC-546AKTSC  Conveyor  5,	3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha 3-Pha (2,735(V) 2,780(V) 1,320(V)	se 220 V, 50 Hz, se 400 V, 50 Hz, se 200 V, 50 Hz, se 400 V, 50 Hz, which is a series of the series o	Hz, 9.8 A  10.0 A / 60 Hz, 11.3 A  5.3 A  9.0 A / 60 Hz, 11.4 A  Hz, 8.6 A  5.0 A  2.7 kW / 60 Hz, 3.1 kW  3.0 kW / 60 Hz, 3.8 kW  2.8 kW  2.7 kW / 60 Hz, 3.6 kW  2.8 kW  2.1 kW / 60 Hz, 3.4 kW  2.8 kW  2.1 kW / 60 Hz, 3.6 kW  2.8 kW  2.7 kW / 60 Hz, 3.6 kW  2.8 kW  2.9 kW / 60 Hz, 3.6 kW  2.1 / 0.2 kW x 1 (Servo)  35(H) mm (107.7" x 39.6" x 60.5")  62(H) mm (52.0" x 23.7" x 44.5")  200.8" x 146.1")  50 mm (27.6" x 19.7"), 64 gsm sheet]			
Power Consumption (Including Pump)  Heat Output Motors  Machine Dimensions  Installation Space	AFC-546AKTSC  AFC-546AKTSC  0.75 kW  AFC-544AKTSC  AFC-546AKTSC  AFC-546AKTSC  Conveyor  5, 82 dB [Peak Level : 8	3-Pha	se 220 V, 50 Hz, se 400 V, 50 Hz, se 220 V, 50 Hz, se 220 V, 50 Hz, se 200 V, 50 Hz, se 200 V, 50 Hz, se 220 V, 50 Hz, se 400 V, 50 Hz, se 300 V, 50 V	Hz, 9.8 A  10.0 A / 60 Hz, 11.3 A  5.3 A  9.0 A / 60 Hz, 11.4 A  9.0 A / 60 Hz, 11.4 A  4.1 Hz, 8.6 A  5.0 A  2.7 kW / 60 Hz, 3.1 kW  3.0 kW / 60 Hz, 3.8 kW  2.8 kW  2.8 kW  2.8 kW  2.8 kW  2.8 kW  2.8 kW  2.9 kW / 60 Hz, 3.6 kW  2.8 kW  2.9 kW / 60 Hz, 3.6 kW  2.8 kW / 60 Hz, 3.6 kW  2.8 kW  2.9 kW / 60 Hz, 3.6 kW  2.1 kW / 60 Hz, 3.6 kW  2.8 kW  2.9 kW / 60 Hz, 3.6 kW  2.1 / 0.2 kW x 1 (Servo)  35(H) mm (107.7" x 39.6" x 65.5")  62(H) mm (52.0" x 39.6" x 65.5")  62(H) mm (52.0" x 23.7" x 44.5")  200.8" x 146.1")  50 mm (27.6" x 19.7"), 64 gsm sheet]  4 lb.), Conveyor : 50 kg (110.3 lb.),			
Power Consumption (Including Pump)  Heat Output Motors  Machine Dimensions  Installation Space Noise Level	AFC-546AKTSC  AFC-546AKTSC  0.75 kW  AFC-544AKTSC  AFC-546AKTSC  Conveyor  5,	3-Pha	se 220 V, 50 Hz, se 400 V, 50 Hz, se 220 V, 50 Hz, se 220 V, 50 Hz, se 200 V, 50 Hz, se 200 V, 50 Hz, se 220 V, 50 Hz, se 400 V, 50 Hz, se 300 V, 50 V	Hz, 9.8 A  10.0 A / 60 Hz, 11.3 A  5.3 A  9.0 A / 60 Hz, 11.4 A  Hz, 8.6 A  5.0 A  2.7 kW / 60 Hz, 3.1 kW  3.0 kW / 60 Hz, 3.8 kW  2.8 kW  2.7 kW / 60 Hz, 3.6 kW  2.8 kW  2.1 kW / 60 Hz, 3.4 kW  2.8 kW  2.1 kW / 60 Hz, 3.6 kW  2.8 kW  2.7 kW / 60 Hz, 3.6 kW  2.8 kW  2.9 kW / 60 Hz, 3.6 kW  2.1 / 0.2 kW x 1 (Servo)  35(H) mm (107.7" x 39.6" x 60.5")  62(H) mm (52.0" x 23.7" x 44.5")  200.8" x 146.1")  50 mm (27.6" x 19.7"), 64 gsm sheet]			
Power Consumption (Including Pump)  Heat Output Motors  Machine Dimensions  Installation Space	AFC-546AKTSC  AFC-546AKTSC  0.75 kW  AFC-544AKTSC  AFC-546AKTSC  AFC-546AKTSC  Conveyor  5, 82 dB [Peak Level : 8	3-Pha	se 220 V, 50 Hz, se 400 V, 50 Hz, se 200 V, 50 Hz, se 220 V, 50 Hz, se 400 V, 50 Hz, se 200 V, 50 Hz, se 220 V, 50 Hz, se 400 V, 50 Hz, se	Hz, 9.8 A  10.0 A / 60 Hz, 11.3 A  5.3 A  9.0 A / 60 Hz, 11.4 A  9.0 A / 60 Hz, 11.4 A  4.1 Hz, 8.6 A  5.0 A  2.7 kW / 60 Hz, 3.1 kW  3.0 kW / 60 Hz, 3.8 kW  2.8 kW  2.8 kW  2.8 kW  2.8 kW  2.8 kW  2.8 kW  2.9 kW / 60 Hz, 3.6 kW  2.8 kW  2.9 kW / 60 Hz, 3.6 kW  2.8 kW / 60 Hz, 3.6 kW  2.8 kW  2.9 kW / 60 Hz, 3.6 kW  2.1 kW / 60 Hz, 3.6 kW  2.8 kW  2.9 kW / 60 Hz, 3.6 kW  2.1 / 0.2 kW x 1 (Servo)  35(H) mm (107.7" x 39.6" x 65.5")  62(H) mm (52.0" x 39.6" x 65.5")  62(H) mm (52.0" x 23.7" x 44.5")  200.8" x 146.1")  50 mm (27.6" x 19.7"), 64 gsm sheet]  4 lb.), Conveyor : 50 kg (110.3 lb.),			



%1 Machine Dimensions for AFC-544AKTSC.

Min. 630 mm (24.9") to Max. 860 mm (33.9") when connecting with the optional short conveyor SCV-544.
Min. 480 mm (18.9") to Max. 710 mm (28.0") when connecting with the optional short conveyor SCV-544.
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.

X5 The separate reel will be attached to the opposite side of the in-feed section

ISO 9001 Manufactured by : Taiyo Seiki Co., Ltd.



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

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#### ■ 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



- Folding, gluing, and edge trimming operations are performed efficiently.
   The gluing unit CGU-50 can produce 8page 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	Specificatio	ns		
Model	Press Stacker		M. D. F. F. M. B. J.	Adjustment Bolt		
Press Width	Max.	440 mm (17.3") [Without offset : 470 mm (18.5")]	Main Body Fixing Method	Caster with Stopper		
Press Length		Min. 64 mm (2.5")	Orașetian Banal	Total Counter	Sheet Count / Offset Count	
Production Speed		Depends on fold device.	Operation Panel	Preset Counter Setting of the Number of Offset Sheets (0 to 9999)		
Roller Speed		Max. 210 m/min. (826.8"/min.)	Voltage / Frequency	Single Phase 200 / 220 / 230 V, 50 / 60 Hz		
In-feed Section		Belt Change System	Power Consumption	300 W, 50 Hz / 310 W, 60 Hz		
0"	Number of Offset Sheets	mber of Offset Sheets 1 sheet per setting (0 to 9999 sheets) or All		When Folded 1,200(W) x 795(D) x 1,230(H) mm (47.3" x 31.3" x 4		
Offset	Offset Amount	30 mm (1.1")			When connecting to the parallel folding exit section :	
	Air Remove Roller	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")	
Press	Press Roller	Pressure Welding (Gap is adjustable by inserting the instructed number of sheets.)	Machine Dimensions	When Operation	Caster with Stopper  Sheet Count / Offset Count  Setting of the Number of Offset Sheets (0 to 9999)  Single Phase 200 / 220 / 230 V, 50 / 60 Hz  300 W, 50 Hz / 310 W, 60 Hz  1,200(W) x 795(D) x 1,230(H) mm (47.3" x 31.3" x 48.5"  When connecting to the parallel folding exit section:  1,230(W) x 795(D) x 1,230(H) mm (48.5" x 31.3" x 48.5"  When pulling out the receiving tray: 1,540(W) mm (60.3)  When connecting to the cross folding exit section:	
0	Model	Model Horizontal Delivery Conveyor		When Operating	when connecting to the cross lolding exit section .	
Conveyor	Belt Speed	0 to 12 m/min. (0" to 47.2"/min.)			[When pulling out the receiving tray: 1,540(W) mm (60.7) When connecting to the cross folding exit section: 1,490(W) x 795(D) x 1,230(H) mm (58.7" x 31.3" x 48.5")	
to to all totals	1001-000	/4C 0   1- 07 4  \ [T:   \/    -1  040 /0 4  \]			NAMES AND AND SOUTH TO A PROSTED TO THE STATE OF THE STAT	

#### ■ Strip Trim Device : AF-ST5



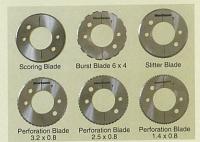
 Strip trimming is available for multiple-up jobs with slitter.

#### ■ 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.

 \*\*4 The optional short conveyor is designed for limited space. The length is about two third of a standard conveyor.

Machine Dimensions of the SCV-544 is described on the back page of this catalogue.

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## ■ 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	Specificatio	ns			
SHIP OF SHIP			Stock Conneity Set-up	Setting by press guide position.			Peci
Model	- 1000	Max. 370(W) x 260(L) mm (14.5" x 10.2")	Preset				spec
Signature Size	(11)(0.01			Operation	After arriving at set-up stack capacity, sheet feeding of the folder is stopped to transf		
		10,000 sheets/hr.	Transfer to Bundling Section	Transfer Position	Folded sheets are automatically positioned at the center of the bundling section.		-
Production Speed		10,000 sneets/nr. Max. 180 m/min. (708.7"/min.)		Compression Power	About 200 [N] (About 20 [Kgf])		
Roller Speed		Wax. 166 Hilliam. (7 66.7 7 mm)			Semi-Automatic		
In-feed Section		Belt Change System	Bundling	Bundle	PP Band 12(W)	mm (0.47")	
		Gap is adjustable by inserting the instructed number of sheets.		Total Counter / Error Lamp (No wrapping paper, Conveyor motor lock,			
	Press Roller	Pressure Welding (Gap is adjustable by inserting the instructed number of sheets.)		Mis-transfer to bundling section, Mis-compression before bundling)			
Conveyor Operation Belt Speed		Intermittent operation only at in-feed time.	Voltage / Frequency	3-Phase 200 / 2	20 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		/ 1.1 kW, 60 Hz		
In-feed Height	440 to 680 mm (17.4" to 26.7")		Fower Consumption	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")		Machine Dimensions	[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)		Machine Weight		70 kg (010.0 ib.)	tookarari tarang di	_