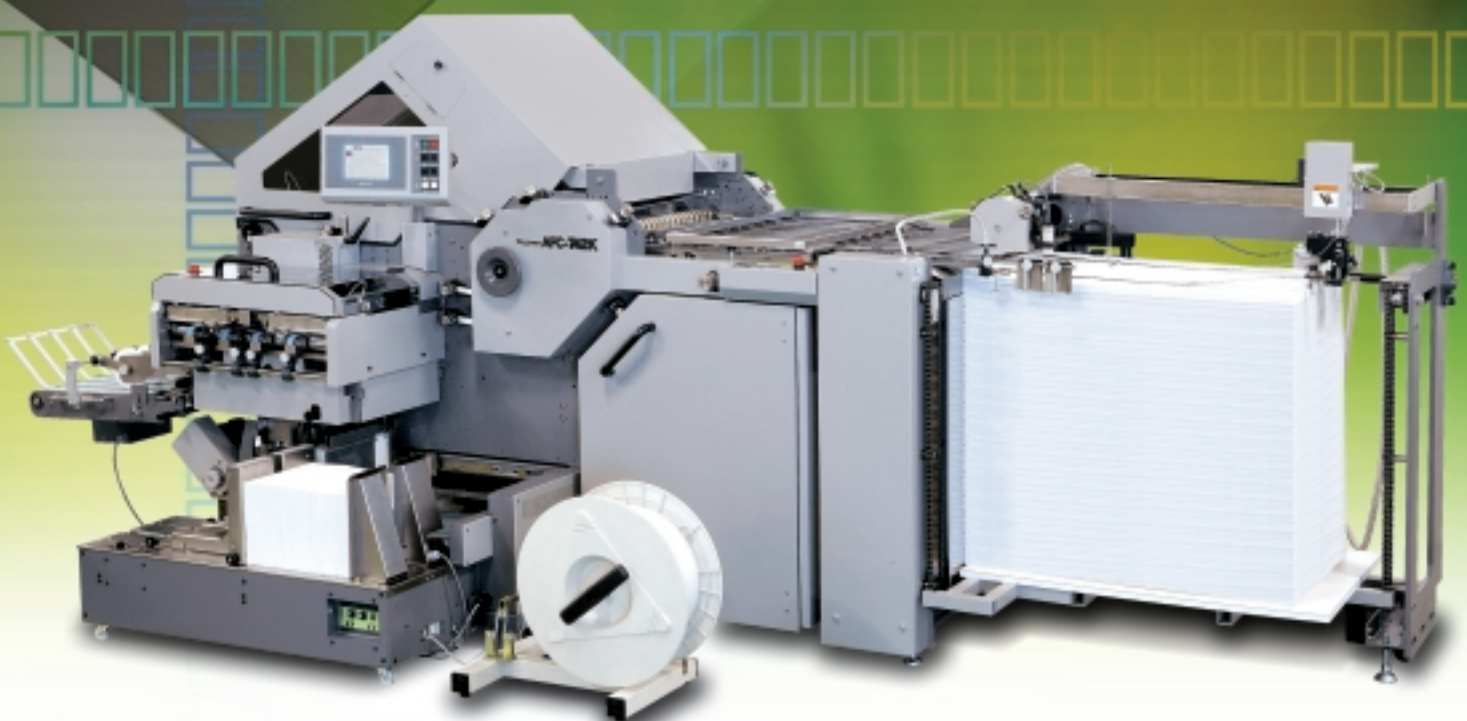


Horizon

AFC-742K/742KP

Space Saving Design
for 16-page signature folding



The AFC-742K/742KP 2-buckle cross folder is especially designed for 16-page folds.

AFC-742K/742KP Fold Patterns



Parallel Fold



Short Fold



Accordion Fold



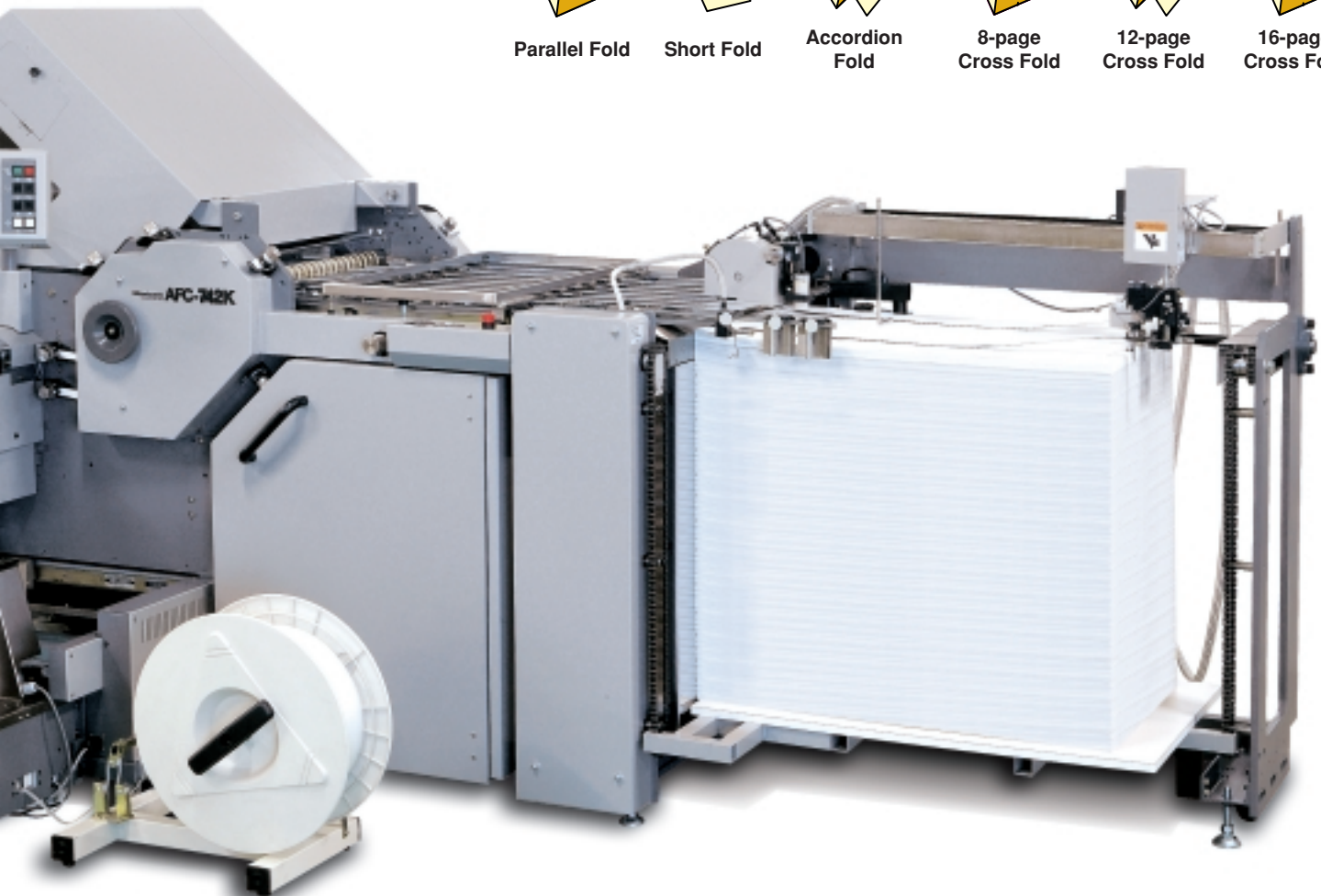
8-page Cross Fold



12-page Cross Fold



16-page Cross Fold

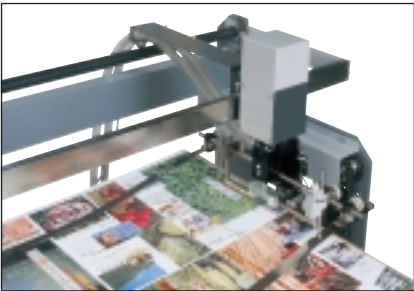


AFC-742K/742KP Features

- Equipped with two buckles and especially designed for 16-page signature folding applications.
- Max. sheet width : 738 mm (29.0")
- Max. production speed :
 - 36,000 sheets/hr. with A4 (8.5" x 11") parallel fold
 - 14,000 sheets/hr. with 636 x 939 mm (25" x 40") 16-page cross fold
- Superior folding quality in minimum space.

With user-friendly operation, high speed and handling sheets up to 738 mm (29.0") wide, the AFC-742K/742KP fits your signature folding needs -- from short runs up.

Suction Head 1



Innovative, high-speed suction head - feeding up to 36,000 sheets/hour.

Feed Rotor 2



High quality polyurethane feed rotor to prevent sheet scratching or glittering.

Folding Rollers 3



Uniquely designed combination of soft polyurethane foam rubber and steel rollers for accurate folding.

Helical Gears 4



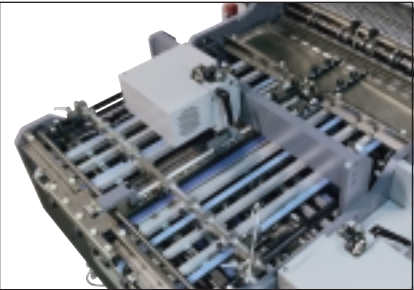
Employs helical gears for quiet operation and flexible cross couplings to maximize durability.

Perforation 5

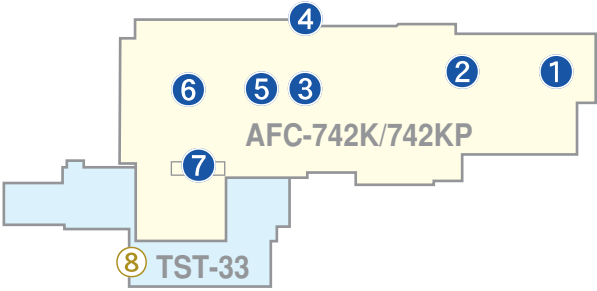


Performs perforation, slit perforation, scoring, slit, and center-cut slit.

Knife Folding 6



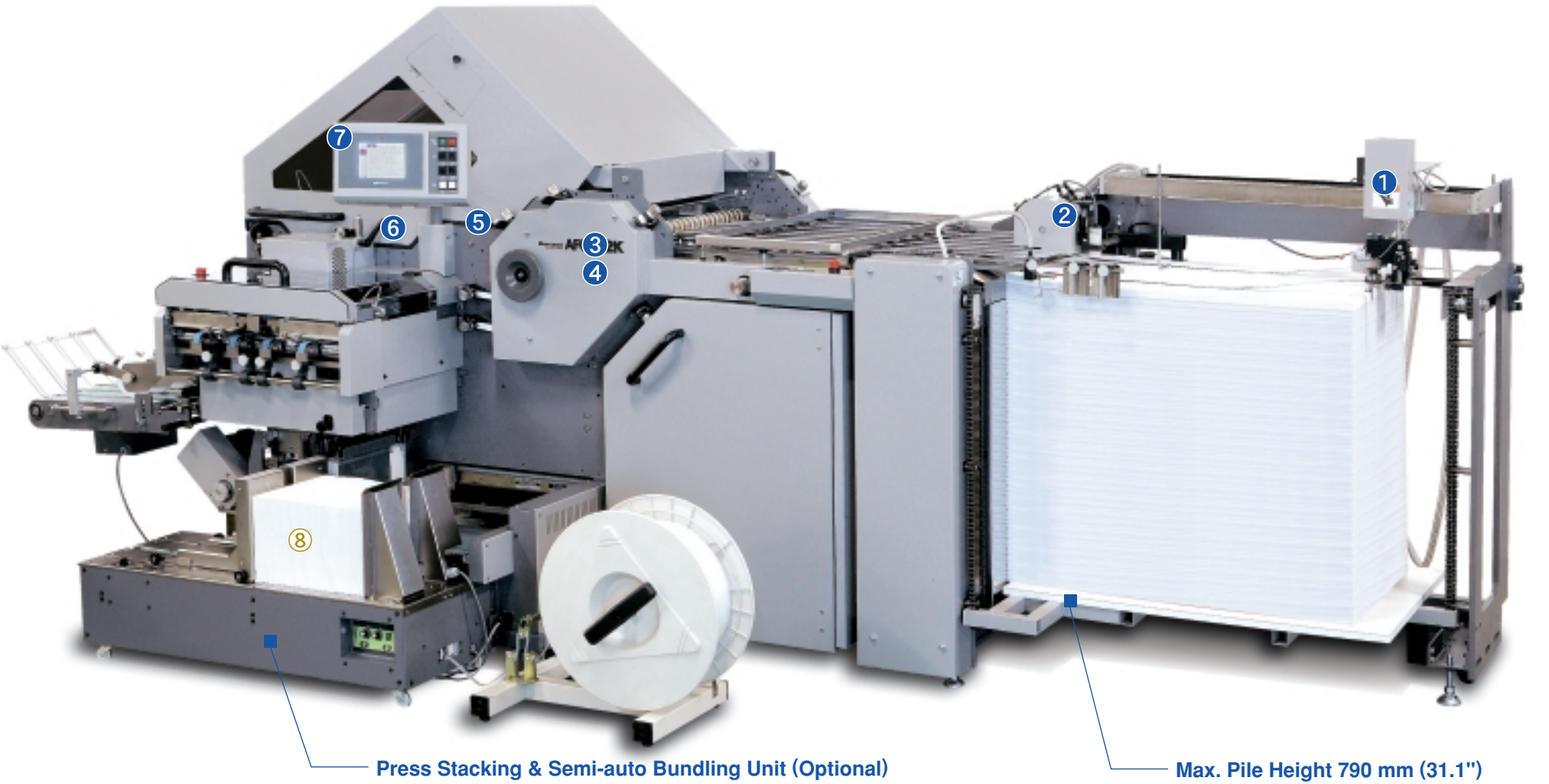
Adjustable knife delay time and knife inclination.



LCD Touchscreen 7



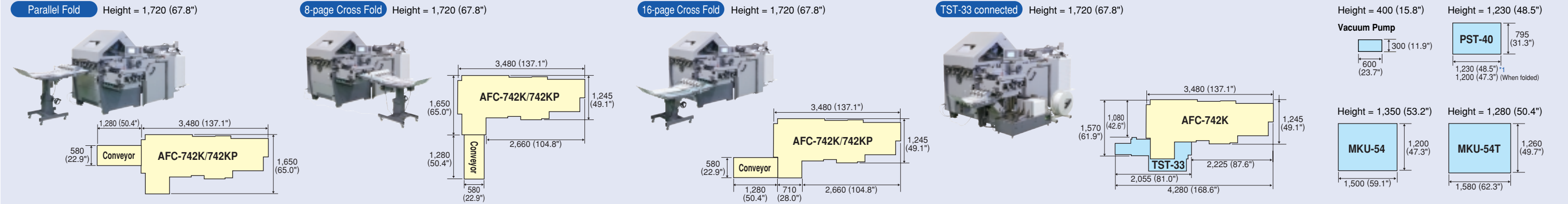
Provides easy operation and system monitoring.



Press Stacking & Semi-auto Bundling Unit (Optional)

Max. Pile Height 790 mm (31.1")

Machine Dimensions Unit : mm (inch)



*1 : 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.

■ Mobile Knife Fold Unit : MKU-54/54T ⑧

The MKU-54/54T is easily attached to or detached from the AFC-742K/742KP.

- ◆ The MKU-54 features a rotating knife unit for upward or downward sheet delivery. (MKU-54)
- ◆ The knife fold unit can be rotated separately for easier changeover. (MKU-54)
- ◆ Sheet entrance height can be adjusted from 53 to 97 cm (20.9" to 38.1").
- ◆ The MKU-54/54T can be started or stopped from the AFC-742K/742KP.
- ◆ Under the knife unit, the MKU-54T can be equipped with up to two buckles. (One buckle is standard.)



■ Press Stacker : PST-40 ⑧

The PST-40 provides efficient folding workflow.

- ◆ 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 round belt change system at the in-feed section minimizes setup time for sheet size changes.
- ◆ The PST-40 can be operated independently of the folder for the pressing of saddle stitched booklets.
- ◆ The PST-40 can be started or stopped from the AFC-742K/742KP control console.



■ Built-in Type Press Stacking & Semi-auto Bundling Unit : TST-33 ⑧

The TST-33 presses and bundles each stack to eliminate time-consuming manual steps.

- ◆ Space-saving built-in type semi-automated bundling unit.
- ◆ For operator convenience, the folded sheets are always positioned at the center of the bundling section. (When two bands are used, bundling position can be 1/3 of the sheets.)
- ◆ A folded sample can be delivered when pressing the sample button.
- ◆ The TST-33 can be started or stopped from the AFC-742K control console.

*Only available with AFC-742K.



■ Gluing Unit : CGU-50



Gluing Unit Controller



Gluing

- 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.

■ Strip Trim Device : AF-ST6



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

■ Blades

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

AFC-742K/742KP Major Specifications

Machine Structure	2KL (2 Buckles + 1st Fold Knife + 2nd Fold Knife)			
Sheet Size	Max. 738(W) x 950(L) mm (29.05" x 37.40")			
	Min. 210(W) x 210(L) mm (8.27" x 8.27")			
	[Side Lay Guide Minimum Set Position : 82(W) mm (3.3")]			
Sheet Weight Range	35 to 220 gsm			
Buckle Fold Length	1st/2nd Buckle	55 to 480 mm (2.2" to 18.8") (Manual Setup)		
Knife Fold Size	1st Knife	Max. 738(W) x 480(L) mm (29.0" x 18.8")		
		Min. 160(W) x 100(L) mm (6.3" x 4.0")		
	2nd Knife	Max. 480(W) x 360(L) mm (18.8" x 14.1")		
		Min. 160(W) x 100(L) mm (6.3" x 4.0")		
Feeding Mechanism	Air Suction Rotor & 1 Cylinder Separator Head (Feed interval and suction time are adjustable.)			
Maximum Pile Height	790 mm (31.1") [within 600 kg (1,323 lbs..)]			
Belt Speed	50 to 240 m (54 to 262 yd.)/min.			
Production Speed	36,000 sheets/hr. [A4 (8.5" x 11") - Parallel Fold]			
	14,000 sheets/hr. [636(W) x 939(L) mm (25.0" x 37.0") - 16-page Cross Fold]			
Standard Fold Roller	Combination of Soft Polyurethane Foam Rubber and Steel Roller			
Roller Gap Adjustment	Insert the instructed number of sheets into the gap adjust lever.			
Slit Perforation	Parallel Fold	Cut : 10 mm (0.39"), Blank : 4 mm (0.16")		
		Cut : 4 mm (0.16"), Blank : 2.5 mm (0.10")		
	Below Knife	Cut : 10 mm (0.39"), Blank : 4 mm (0.16")		
		Cut : 4 mm (0.16"), Blank : 2.5 mm (0.10")		
Perforation	Cut : 1.4 mm (0.06"), Blank : 0.8 mm (0.03")			
	Min. Perforation Distance : 66 mm (2.60") in one operation			
	Min. Distance from Sheet Edge : 12 mm (0.48")			
Scoring	Scoring Width : 1 mm (0.04") (Depends on sheet type)			
Number of Holders	2 pcs (Installed) + 1 pc (Accessory) (Possible to add up to 14 pcs)			
Deflectors	1st and 2nd Buckles	Buckle Stopper and Swing-Arm Deflector		
Fold Patterns	Parallel Fold, Short Fold, Accordion Fold, 8-page Cross Fold, 12-page Cross Fold, 16-page Cross Fold			
Vacuum Pump	Flow	40 m³/hr.		
	Voltage / Frequency	3-Phase ∇ 230 / Y400 V ±10 % 50 / 60 Hz		
	Power Consumption	1.8 / 2.2 kW (50 / 60 Hz)		
Voltage / Frequency	3-Phase 200 / 220 V, 50 / 60 Hz 3-Phase 400 V, 50 Hz			
Rated Current	Flat Feeder Unit	3-Phase 200 V	50 / 60 Hz	8.0 / 9.0 A
		3-Phase 220 V	50 / 60 Hz	8.3 / 9.0 A
		3-Phase 400 V	50 Hz	4.0 A
	Cross Folder	3-Phase 200 V	50 / 60 Hz	5.0 / 5.3 A
		3-Phase 220 V	50 / 60 Hz	5.0 A
		3-Phase 400 V	50 Hz	4.0 A
Power Consumption (Including Pump)	Flat Feeder Unit	3-Phase 200 V	50 / 60 Hz	2.0 / 2.7 kW
		3-Phase 220 V	50 / 60 Hz	2.1 / 2.8 kW
		3-Phase 400 V	50 Hz	2.0 kW
	Cross Folder	3-Phase 200 V	50 / 60 Hz	1.8 kW
		3-Phase 220 V	50 / 60 Hz	1.8 kW
		3-Phase 400 V	50 Hz	2.0 kW
Heat Output	4,790 kJ (1,150 kcal)			
Motors	1.5 kW x 1 / 0.4 kW x 1 / 40 W x 1 / 90 W x 2 / 2.2 kW x 1 (Pump)			
Machine Dimensions (with Conveyor)	16-page Cross Fold	4,880(W) x 1,770(D) x 1,720(H) mm (192.2" x 69.7" x 67.8")		
	8-page Cross Fold	3,480(W) x 3,170(D) x 1,720(H) mm (137.1" x 124.9" x 67.8")		
	Parallel Fold	4,933(W) x 1,650(D) x 1,720(H) mm (194.3" x 65.0" x 67.8")		
Installation Space	Machine with TST-33 : 5,080(W) x 2,775(D) mm (200.0" x 109.3")			
Noise Level	86 dB [636(W) x 939(L) mm (25.0" x 37.0") - 16-page Cross Fold - 64 gsm of sheet at maximum speed]			
Machine Weight	1,786 kg (3,938 lbs.) [Main Body : 1,063 kg (2,344 lbs.), Feeder : 540 kg (1,191 lbs.), Conveyor : 66 kg (146 lbs.), Transformer : 45 kg (99 lbs.), Pump : 72 kg (159 lbs.)]			
Temperature & Humidity	Temperature 0°C to +40°C, Humidity 20 % to 75 %RH (25 degrees Celsius and 52±6 %RH are recommended.)			

TST-33 Major Specifications

Model	Press Stacking & Semi-auto Bundling Unit		
Signature Size	Max. 330(W) x 260(L) mm (12.9" x 10.2")		
	Min. 190(W) x 136(L) mm (7.9" x 5.4")		
Stack Capacity	200 to 480 mm (6.0" to 18.8") (Before bundling)		
Production Speed	Depends on fold device. (Max. 240 m/min.)		
Voltage / Frequency	Single Phase 200 V, 50 / 60 Hz (Sourced from the folder.)		
Rated Current	2.4 / 2.2 A (50 / 60 Hz)		
Power Consumption	340 W (50 / 60 Hz)		
Heat Output	410 kJ (100 kcal)		
Motors	400 W x 1 / 25 W x 1		
Available Folding Machine	AFC-742K		
Machine Dimensions	1,330(W) x 880(D) x 910(H) mm (52.4" x 34.7" x 35.9") (Excluding separate reel)		
Machine Weight	150 kg (330.8 lbs.)		

PST-40 Major Specifications

Model	Press Stackler	
Signature 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. (Max. 230 m/min.)	
Roller Speed	Max. 210 m/min. (826.8"/min.)	
In-feed Section	Belt Change System	
Offset	Number of Offset Sheets	1 sheet per setting (0 to 9999 sheets) or All
	Offset Amount	30 mm (1.1")
Press	Air Remove Roller	Gap is adjustable by inserting the instructed number of sheets.
	Press Roller	Pressure Welding (Gap is adjustable by inserting the instructed number of sheets.)
Conveyor	Model	Horizontal Delivery Conveyor
	Belt Speed	0 to 12 m/min. (0" to 47.2"/min.)
In-feed Height	400 to 920 mm (15.8" to 36.2") [Tilt Vertical Interval 240 mm (9.4")]	
Main Body Lift	Up and down movement is motorized.	
Main Body Fixing Method	Adjustment Bolt	
	Caster with Stopper	
Operation Panel	Total Counter	Sheet Count / Offset Count
	Preset Counter	Setting of the Number of Offset Sheets (0 to 9999)
Voltage / Frequency	Single Phase 200 / 220 / 230 V, 50 / 60 Hz	
Power Consumption	300 W (50 Hz) / 420 W (60 Hz)	
Machine Dimensions	When Folded	1,200(W) x 795(D) x 1,230(H) mm (47.3" x 31.3" x 48.5")
	When Operating	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 (60.7")]
		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")
		[When pulling out the receiving tray : 1,800(W) mm (70.9")]
Machine Weight	280 kg (617.4 lbs.)	

MKU-54/54T Major Specifications

Model	MKU-54		MKU-54T
Sheet Size	Max. 540(W) x 330(L) mm (21.2" x 12.9")		Max. 538(W) x 350(L) mm (21.1" x 13.7")
	Min. 160(W) x 100(L) mm (6.3" x 4.0")		Min. 165(W) x 80(L) mm (6.5" x 3.2")
Max. Folding Thickness	Max. 2 mm (0.078") (Booklet of 40 pages [81 gsm])		Max. 0.6 mm (0.024") (Booklet of 12 pages [81 gsm], Booklet of 16 pages [64 gsm])
Buckle Fold Length	-		60 to 150 mm (2.37" to 5.90") (Manual Setup)
Sheet Weight Range	35 to 220 gsm		
Belt Speed	50 to 240 m/min.		50 to 180 m/min.
Production Speed	It depends on the connected machine specifications.		
Voltage / Frequency	Single Phase 200 / 208 / 220 / 230 V, 50 / 60 Hz		
Rated Current	200 V, 50 / 60 Hz, 5.0 A		200 V, 50 / 60 Hz, 3.0 A
	208 V, 50 Hz, 4.7 A / 60 Hz, 4.9 A		208 V, 50 / 60 Hz, 3.0 A
	220 V, 50 Hz, 4.6 A / 60 Hz, 4.8 A		220 V, 50 / 60 Hz, 2.5 A
	230 V, 50 Hz, 4.5 A / 60 Hz, 4.6 A		230 V, 50 / 60 Hz, 2.5 A
Power Consumption	200 V, 50 Hz, 640 W / 60 Hz, 665 W		200 V, 50 Hz, 330 W / 60 Hz, 360 W
	208 V, 50 Hz, 625 W / 60 Hz, 665 W		208 V, 50 Hz, 340 W / 60 Hz, 360 W
	220 V, 50 Hz, 635 W / 60 Hz, 690 W		220 V, 50 Hz, 350 W / 60 Hz, 370 W
	230 V, 50 Hz, 660 W / 60 Hz, 695 W		230 V, 50 Hz, 370 W / 60 Hz, 400 W
Heat Output	1,160 kJ (280 kcal)		1,010 kJ (240 kcal)
Available Folding Machine	AFC-746S / AFC-746D / AFC-744A / AFC-744S / AFC-742K / AFC-742KP / AFC-566FG / AFC-566A / AFC-564A		AFC-746S / AFC-746D / AFC-744A / AFC-744S / AFC-742K / AFC-742KP / AFC-566FG / AFC-566A / AFC-564A
	AFC-492SC (In case of AFC-492SC, MKU-54T can be connected only at the delivery section of buckle folding.)		
In-feed Height	Highest Position : 960 mm (37.8")		Highest Position : 970 mm (38.1")
	Lowest Position : 570 mm (22.5")		Lowest Position : 630 mm (24.9")
Delivery Height	Highest Position : 845 mm (33.2")		-
	Lowest Position : 455 mm (18.0")		-
Machine Dimensions	1,100(W) x 800(D) x 1,350(H) mm (43.4" x 31.5" x 53.2")		1,180(W) x 860(D) x 1,280(H) mm (46.5" x 33.9" x 50.4")
Installation Space	1,500(W) x 1,200(D) mm (59.1" x 47.3")		1,580(W) x 1,260(D) mm (62.3" x 49.7")
Machine Weight	250 kg (551.3 lbs.)		325 kg (716.6 lbs.)



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