



TOM[®]
AUTOMATIC TANDEM TYING MACHINE

TOM



YAMADA KIKAI KOGYO CO., LTD.

YTC150-H2(1600) YTC150-H(1600) **RAPID ONE** series

The highest capacity was realized by **TOM**® high speed machine series



YTC150-H2(1600)



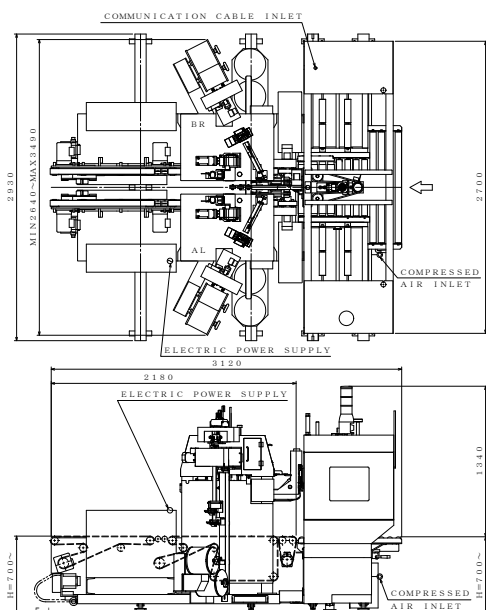
YTC150-H(1600)

	YTC150-H2(1600)	YTC150-H(1600)
C a p a c i t y	Maximum 40 bundles/min. *	Maximum 35 bundles/min. *
Machine Dimension	L3,120 W3,390 H2,040 mm ~	L3,120 W3,390 H1,945 mm ~
Power Supply	8.0kVA (incl. control circuit)	6.5kVA (incl. control circuit)
A i r S u p p l y	1,200Nl/min (Equiv't to 11kW Compressor)	

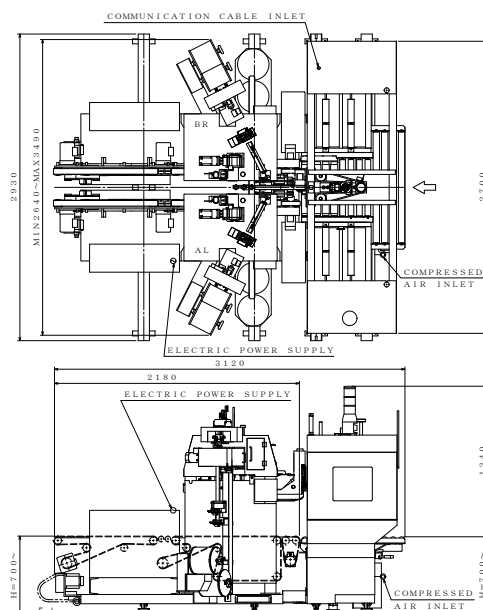
* When the size is B = 600mm

Capacity shown is for tying of 10 corrugated boxes with Knot point changer

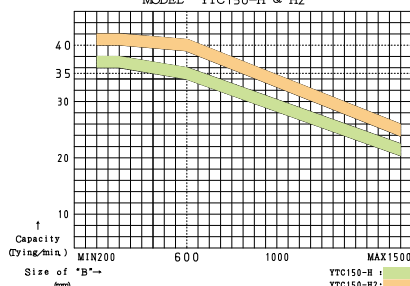
YTC150-H2(1600)



YTC150-H(1600)



PROCESSING CAPACITY TABLE
for Automatic Tying Machine
MODEL YTC150-H & H2

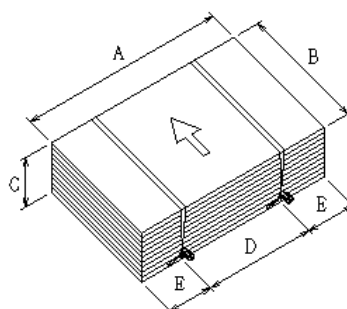


SIZES OF BUNDLES (YTC150-H2(1600)/YTC150-H(1600))

(unit : mm)

	Minimum	Maximum
A	300	1,600
B	200	1,500
C	40	370
D	210	960
E	45	270

Size C: 370(Before Compression)
40(After Compression)



YTC145-D YTC145-I

YTC145-D

Compatible with high speed Folder Gluer machine.
This machine is available to data link with Folder Gluer or Palletizer.
Size changing work is eliminated.



YTC145-D

YTC145-I

Compatible with high speed Folder Gluer machine.
Size change is inching operation by push-button switch.



YTC145-I

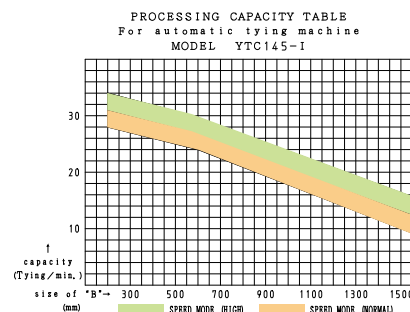
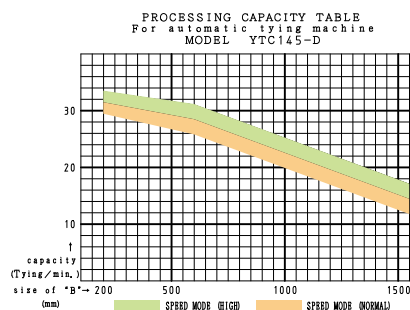
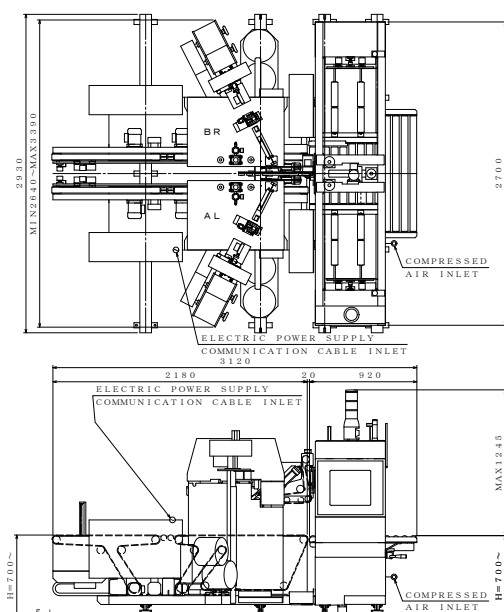
The above photo is an image of standard specifications.

	YTC145-D	YTC145-I
Capacity	Maximum 30 bundles/min. *	Maximum 30 bundles/min. *
Machine Dimension	L3,120 W3,390 H1,945 mm ~	
Power Supply	3.0kVA (incl. control circuit)	
Air Supply	800Nℓ/min (Equiv't to 7.5kW Compressor)	

* When the size is B = 500mm

Capacity shown is for tying of 10 corrugated boxes with Knot point changer

YTC145-D / YTC145-I

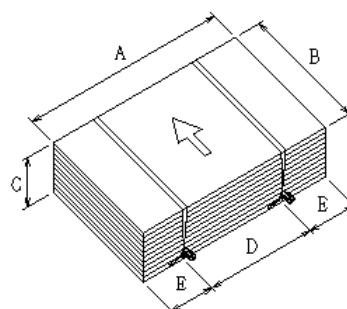


SIZES OF BUNDLES (YTC145-D / YTC145-I)

(unit : mm)

	Minimum	Maximum
A	300	1,500
B	200	1,500
C	40	370
D	210	960
E	45	270

Size C: 370(Before Compression)
40(After Compression)



YTC145-ED YTC145-E

YTC145-ED

Compatible with middle speed Folder Gluer machine.
This machine is available to data link with Folder Gluer or Palletizer.
Size changing work is eliminated.



YTC145-ED

YTC145-E

Compatible with middle speed Folder Gluer machine.
Size change is inching operation by push-button switch.



YTC145-E

The above photo is an image of standard specifications.

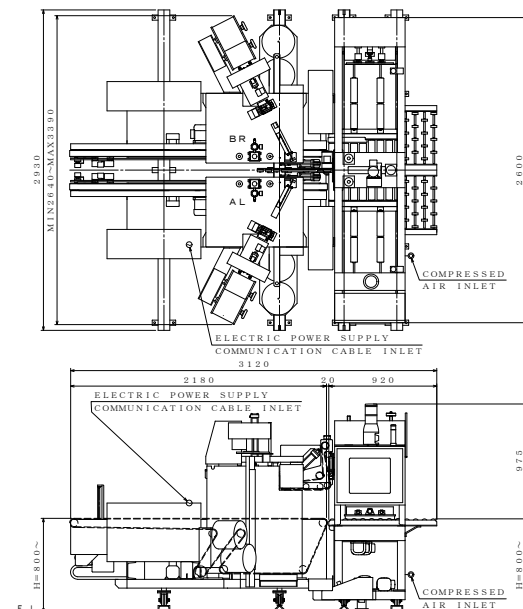
	YTC145-ED	YTC145-E
Capacity	Maximum 25 bundles/min. *	
Machine Dimension	L3,120 W3,390 H1,775 mm ~	L3,120 W2,730 H1,715 mm ~
Power Supply	2.5kVA (incl. control circuit)	
Air Supply	600Nℓ/min (Equiv't to 5.5kW Compressor)	

* When the size is B = 300mm

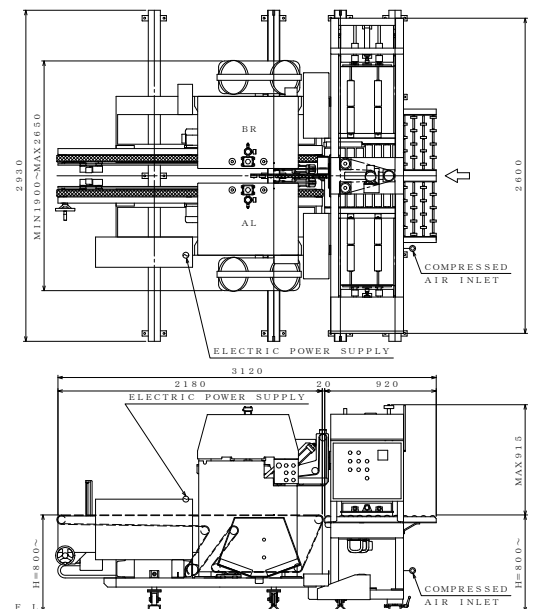
Capacity shown is for tying of 10 corrugated boxes without Knot point changer

*The following YTC145-ED size shows the twine unfolding device is attached as option

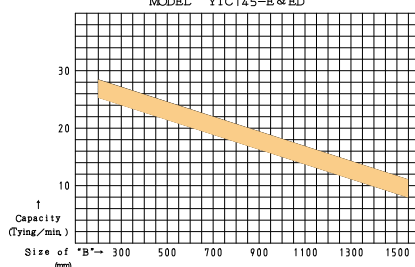
YTC145-ED



YTC145-E



PROCESSING CAPACITY TABLE
for Automatic Tying Machine
MODEL YTC145-E&ED

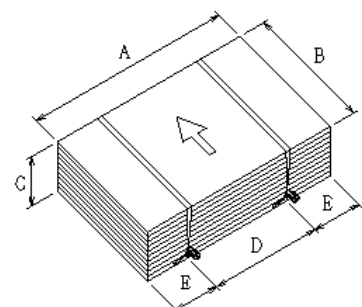


SIZES OF BUNDLES (YTC145-ED / YTC145-E)

(unit : mm)

	Minimum	Maximum
A	300	1,500
B	200	1,500
C	40	340
D	210	960
E	45	270

Size C: 340(Before Compression)
40(After Compression)



YTC145-ND

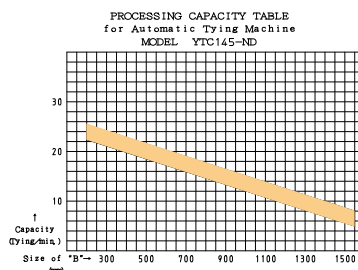
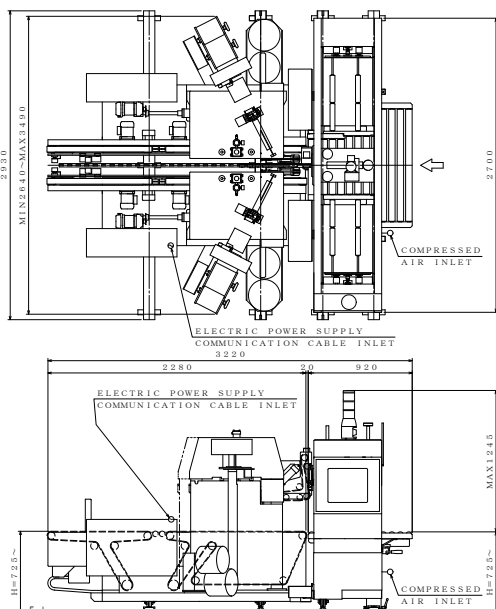
YTC145-ND Compatible with die cut sheet (not quadrangle sheet).

	YTC145-ND
Capacity	Maximum 20 bundles/min. *
Machine Dimension	L3,220 W3,490 H1,970 mm ~
Power Supply	3.5kVA (incl. control circuit)
Air Supply	600Nℓ/min (Equiv't to 5.5kW Compressor)

* When the size is B = 500mm

Capacity shown is for tying of 10 corrugated boxes with Knot point changer

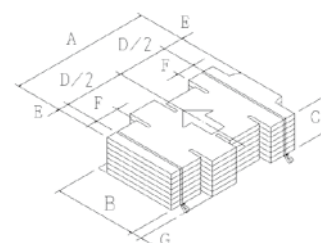
YTC145-ND



SIZES OF BUNDLES

	(unit : mm)	
	Minimum	Maximum
A	300	1,500
B	250	1,500
C	40	370
D	210	960
E	45	270
F	85	-
G	-	100

Size C: 370(Before Compression)
40(After Compression)



YTC145-SE

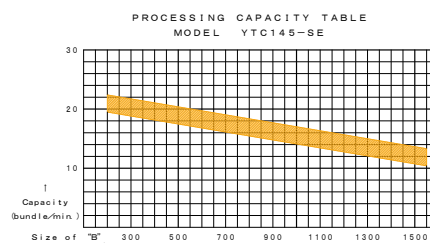
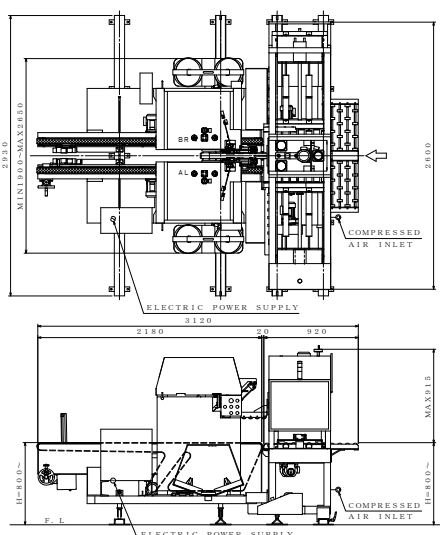
YTC145-SE Standard machine: Basically required performance and Reasonable price

	YTC145-SE
Capacity	Maximum 22 bundles/min. *
Machine Dimension	L3,120 W2,730 H1,750~
Power Supply	2.5kVA (incl. control circuit)
Air Supply	600Nℓ/min (Equiv't to 5.5kW Compressor)

* 20 bundles/min (When size A=400mm,size B=340mm)

Capacity shown is for tying of 10 corrugated boxes without Knot point changer

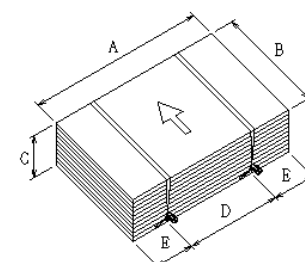
YTC145-SE



SIZES OF BUNDLES

	(unit : mm)	
	Minimum	Maximum
A	300	1,500
B	200	1,500
C	40	340
D	210	960
E	45	270

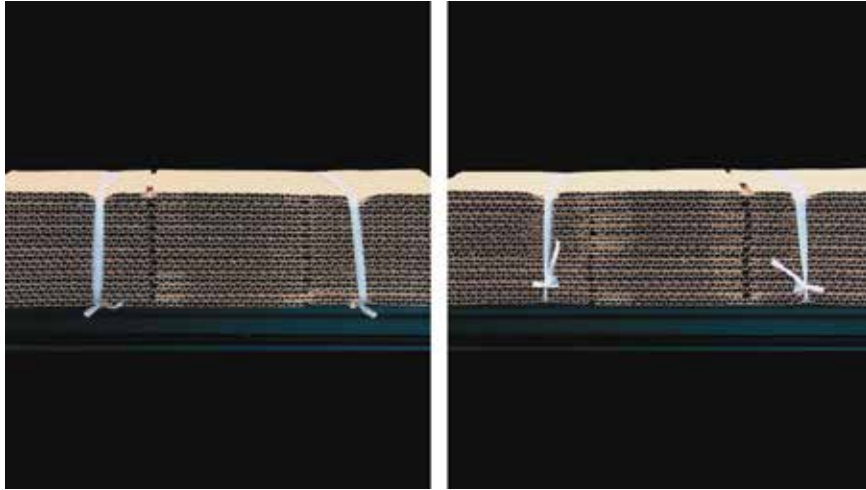
Size C: 340(Before Compression)
40(After Compression)



Knot Point Changer (standard equipment)

Knot point is moved to the side.

The corrugated cardboards will not be damaged even when stacked on top on one another.

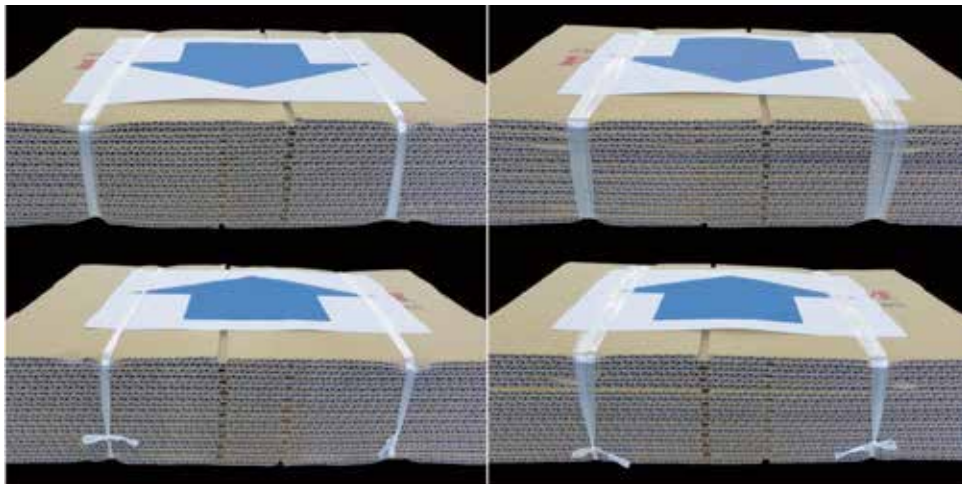


UNUSED

USED

Twine Unfolding Device (option)

The Twine Unfolding Device prevents potential damages to corrugated cardboards by tying PE tape around in a most efficient and delicate way.



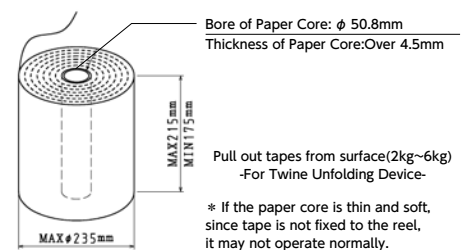
UNUSED

USED

※Please use only P50 PE Tape.

※This device can not be installed for model YTC145-E, YTC145-SE.

Polyethylene tape "P-50"(50mm width)

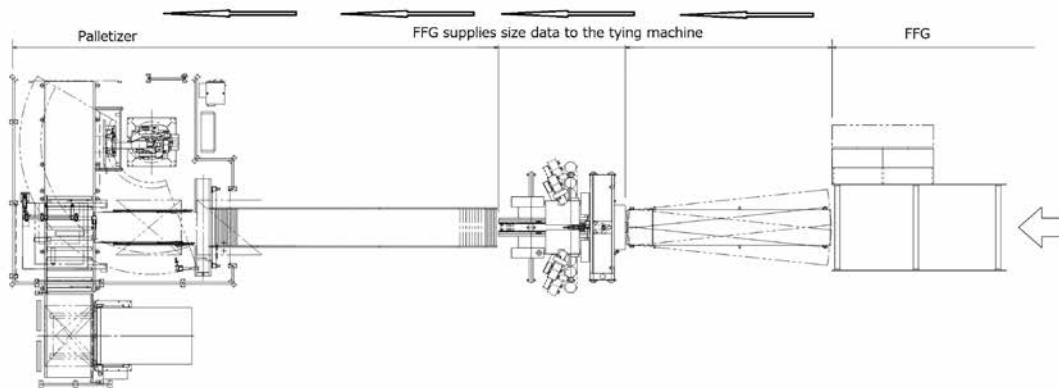


Data Link (standard equipment for YTC150-H2(1600),-H(1600),YTC145-D,-ED,-ND)

The folder gluer (FFG) supplies size data, the tying machine can be programmed to change sizes automatically.

The process of changing sizes takes about one minutes.

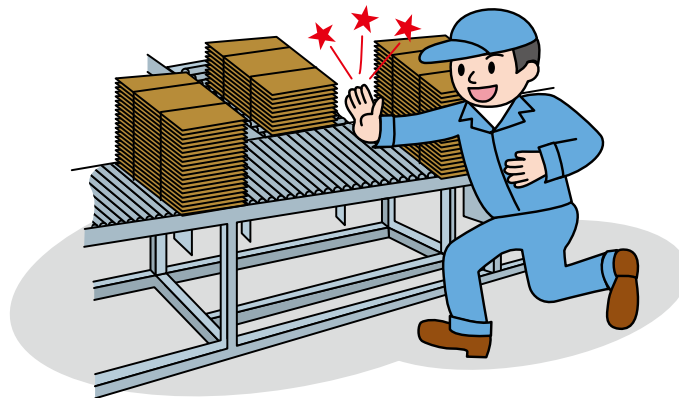
To reduce the operator's burden and improve production efficiency



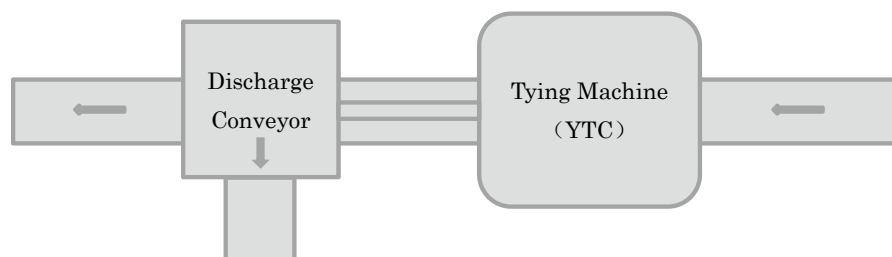
Quantity Checker and Discharge Conveyor (option)

To check the height of bundled cardboard if abnormality in number of bundled corrugated cardboard is found, it is removed by discharge conveyor.

This function is available to prevent stop in the production line.



Conceptual Diagram



	YTC150-H2(1600)	YTC150-H(1600)	YTC145-D	YTC145-I	YTC145-ED	YTC145-E	YTC145-SE
Size A	300~1,600	300~1,600	300~1,500	300~1,500	300~1,500	300~1,500	300~1,500
Size B	200~1,500	200~1,500	200~1,500	200~1,500	200~1,500	200~1,500	200~1,500
Size C*1	40~270(370)	40~270(370)	40~270(370)	40~270(370)	40~240(340)	40~240(340)	40~240(340)
Coveyor Line (Minimum Height)	700	700	700	700	800	800	800
Capacity (Sheet Size) (Sheet Amount) (Knot Point Changer: Using/Non-using)	40 Bundles/min. (Size A: 800, Size B: 600) (10 Sheets per bundle) (Using)	35 Bundles/min. (Size A: 800, Size B: 600) (10 Sheets per bundle) (Using)	30 Bundles/min. (Size A: 700, Size B: 500) (10 Sheets per bundle) (Using)	30 Bundles/min. (Size A: 700, Size B: 500) (10 Sheets per bundle) (Non-using)	25 Bundles/min. (Size A: 400, Size B: 300) (20 Sheets per bundle) (Non-using)	25 Bundles/min. (Size A: 400, Size B: 300) (20 Sheets per bundle) (Non-using)	22 Bundles/min. (Size A: 400, Size B: 340) (20 Sheets per bundle) (Non-using)
Conveyor Speed (Feed-in) Conveyor Speed (Feed-out)	50~80m/min. 50~80m/min.	50~80m/min. 50~80m/min.	50~80m/min. 50~80m/min.	24·38·45m/min. 60·80m/min.	25m/min.(Constant Speed) 60m/min.(Constant Speed)	25m/min.(Constant Speed) 60m/min.(Constant Speed)	22m/min.(Constant Speed) 50m/min.(Constant Speed)
Power Consumption (Control Circuit included)	8.0kVA	6.5kVA	3.0kVA	3.0kVA	2.5kVA	2.5kVA	2.5kVA
Air Supply (Compressor Equivalent)	1200Nℓ/min (11kW)	1200Nℓ/min. (11kW)	800Nℓ/min. (7.5kW)	800Nℓ/min. (7.5kW)	600Nℓ/min. (5.5kW)	600Nℓ/min. (5.5kW)	600Nℓ/min. (5.5kW)
Size Change	Electrically Operated (Data Link)	Electrically Operated (Data Link)	Electrically Operated (Data Link)	Electrically Operated	Electrically Operated (Data Link)	Electrically Operated (Stopper-C: Manually Operated)	Electrically Operated (Stopper-C: Manually Operated)
Center Move	Electrically Operated	Electrically Operated	Electrically Operated / Unmovable	Electrically Operated / Unmovable	Electrically Operated / Unmovable	Unmovable	Unmovable
Touch Screen	Standard	Standard	Standard	Standard	Standard	Option	-
Knot Point Changer	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Faulty Knot Detect Device	Option	Option	Option	Option	Option	Option	-
Quantity Checker*2	Standard	Standard	Option	Option	Option	Option	-
Discharge Conveyor	Option	Option	Option	Option	Option	Option	-
Twine Unfolding Device	Standard	Standard	Option	Option	Option	-	-
Top-Arranger Cushioned Conveyor	Standard	Standard	Standard	Option	Standard	Option	-
Non-Crush Roller	Standard	Standard	Standard	Option	Standard	Option	-

*1 Size C: The numbers in the parentheses "()" are the sizes before press process. The other numbers are the sizes after press process.

*2 Quantity Checker is available for A Flute, B Flute, C Flute and D Flute



Model **Y60**

- Department Store/Supermarket
- Shopping Street
- Various Manufacturers

Unit mm

Height	Width	Length	Weight (kg)	Motor (W)	Loose Table Depth	Min. Tying Range
1,600	1,060	980	165	1:100V 300 3:200V 400	250	100x100



Model **Y80**

- Paper Containers/Cardboard Industries
- Department Store/Supermarket
- Various Manufacturers

Unit mm

Height	Width	Length	Weight (kg)	Motor (W)	Loose Table Depth	Min. Tying Range
1,660	1,350	1,270	230	1:100V 400 3:200V 400	340	200x200



Model **Y100**

- Paper Containers/Cardboard Industries
- Various Manufacturers

Unit mm

Height	Width	Length	Weight (kg)	Motor (W)	Loose Table Depth	Min. Tying Range
1,850	1,590	1,270	255	1:100V 400 3:200V 400	340	200x200

Power supply voltage can be selected per User's request.

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