



**NEWLONG®**

# **SOS BAG MAKING MACHINES**

6013T / 7523T / 1532T / 2036T / 2254T / TH·H / FK / TP·AP



**NEWLONG MACHINE WORKS, LTD.**



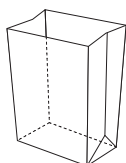
# T<sub>SERIES</sub> SOS BAG MAKING MACHINES

T-series bag making machines are designed specifically for high speed production of various sizes of single ply, side-seamed, gusseted SOS(self-opening square-bottom) bags in a one-line operation. The model numbers are specified by range of bag width. These machines can also be used in-line with flexographic printing press. Handle making and attaching units are available on certain models for high speed in-line production of high quality shopping bags.

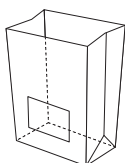
## FEATURES

- Easy adjustment. Almost every adjustment can be done from the operator's side.
- Uniquely designed to reduce downtime with quick size changes.
- High speed operation is insured by the newly designed smooth paper web flow.
- Capable of running preprinted paper rolls by using photo-cell device.
- Optional model number-TS (i.e. 6013TS etc.) is specified in case of change gear-less and shaft-less machines by servo-motors. (Please see P5. OPTIONS.)

## 6013T



SIMPLE BAG

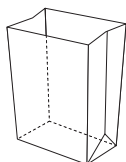


BAG WITH WINDOW  
(Please see P5.)

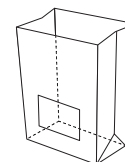


\* The model is shown with options.

## 7523T



SIMPLE BAG



BAG WITH WINDOW



BAG WITH  
TWISTED HANDLE



\* The model is shown with options.

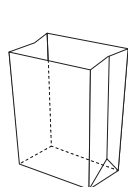


Graphic Panel is available as option.

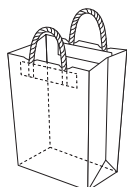
The type of bags is shown on P4. Handle making and attaching unit is shown on P4.

# HIGH SPEED, VARIABLE SIZE, AND REDUCING DOWNTIME

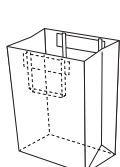
## 1532T



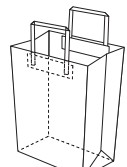
SIMPLE BAG



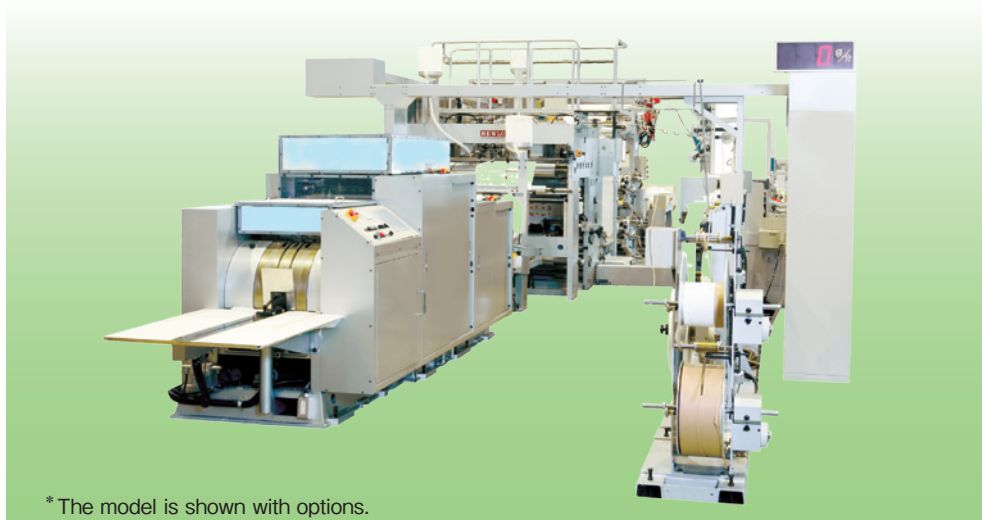
BAG WITH  
TWISTED HANDLE



BAG WITH  
(CONCEALED)  
FOLDED  
STRAP-HANDLE

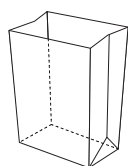


BAG WITH  
(UNCONCEALED)  
FOLDED  
STRAP-HANDLE

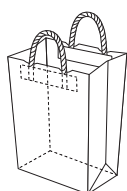


\* The model is shown with options.

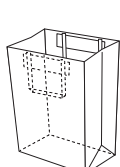
## 2036T



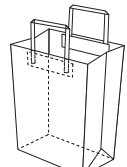
SIMPLE BAG



BAG WITH  
TWISTED HANDLE



BAG WITH  
(CONCEALED)  
FOLDED  
STRAP-HANDLE

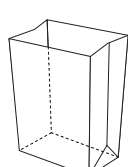


BAG WITH  
(UNCONCEALED)  
FOLDED  
STRAP-HANDLE

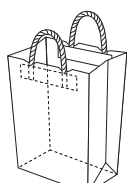


\* The model is shown with options.

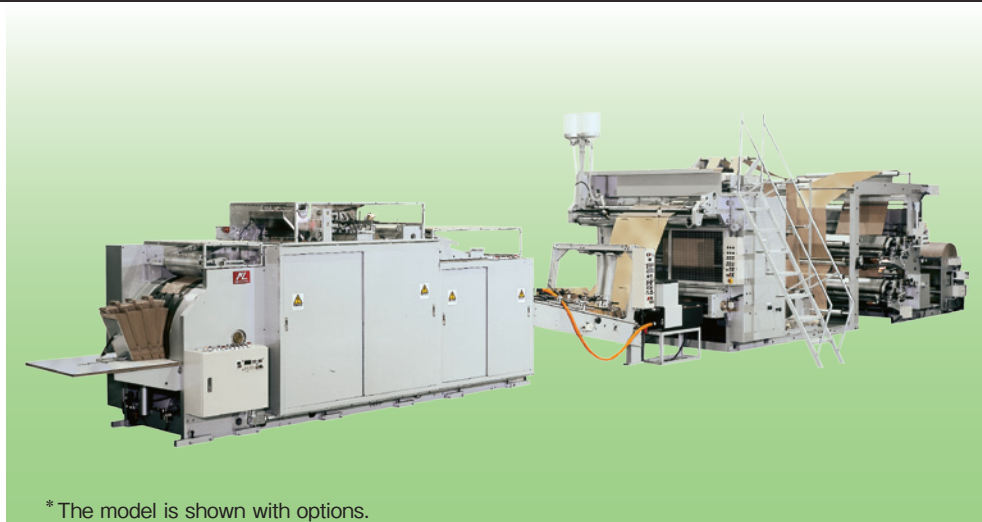
## 2254T



SIMPLE BAG



BAG WITH  
TWISTED HANDLE



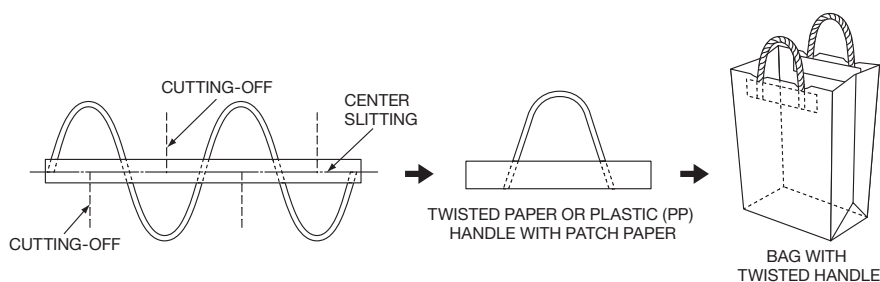
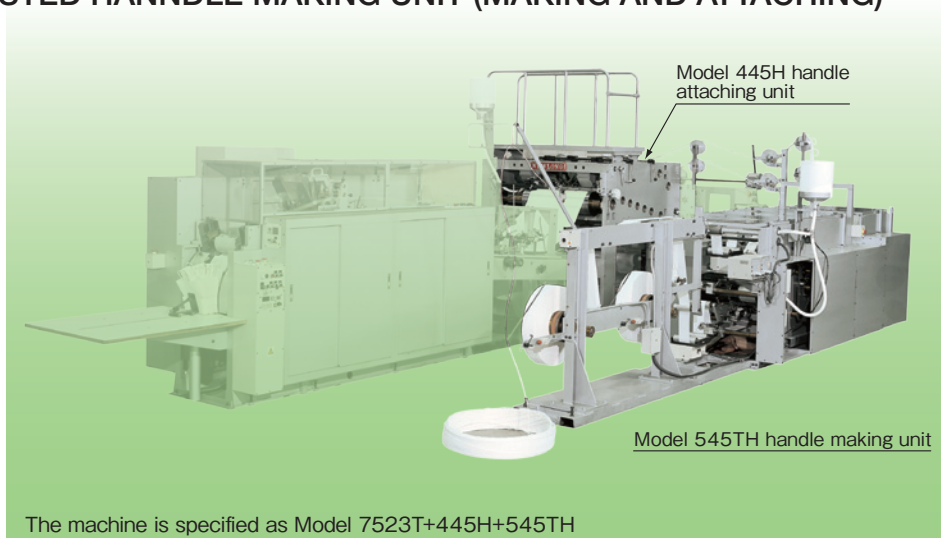
\* The model is shown with options.

# 500TH<sub>SERIES</sub>/500H<sub>SERIES</sub> HANDLE MAKING AND ATTACHING UNIT

## 500TH<sub>SERIES</sub> TWISTED HANNDLE MAKING UNIT (MAKING AND ATTACHING)

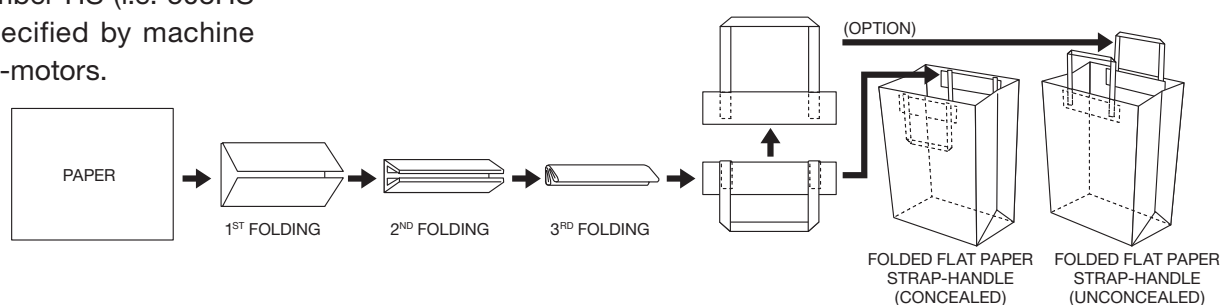
**500TH series** twisted handle making unit makes continuously handle by sandwiching the handle material with a patch paper which is then cut into pieces for the specified size.

**400H series** attaching unit places the pieces inside the bag. Two types of handle is available, such as twisted paper or twisted plastic material. Optional model number-HS (i.e. 460HS etc.) is specified by machine with servo-motors.



## 500H<sub>SERIES</sub> FOLDED FLAT PAPER STRAP-HANDLE MAKING UNIT

The flat paper tape is folded sequentially in one direction to make the 8-folded flat paper strap-handle. This handle is then pasted inside the bag along with the paper patch. This inward folding of the handle concealed in the bag as standard, allows the finished bags to easily handle. Handle unconcealed type device is option. Optional model number-HS (i.e. 508HS etc.) is specified by machine with servo-motors.

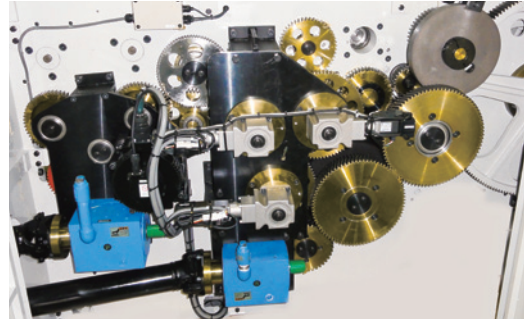




# OPTIONS

## CHANGE GEAR-LESS, SERVO-SYSTEM

This system is designed for easy adjustment and reducing downtime with quick size changes. Servo-system is applied to change bag size instead of change gears. Model name of the main body, -TS (i.e. 2036TS etc.) is specified in case of the option.



## NC TUBE FORMING UNIT

Numerical control forming unit is designed for quick bag width change achieving various size of bags and reducing downtime. All of adjustment can be easily, quickly, and precisely done from operator's side.



## SHAFT-LESS, PAPER ROLL STAND

Paper roll is held automatically at the adequate position by cones from both end, when operators put the bag size data on PC unit, in accordance with the data, such as paper width, bag width, gusset width and etc.



## WINDOW CUTTING-OFF DEVICE

Food industries require bags with a window for displaying food contents such as French fried potatoes, fried fishes and etc. The window cutting-off device cut window peace and get-off them by vacuum cup. Plastic covers put on paper web before tube forming.



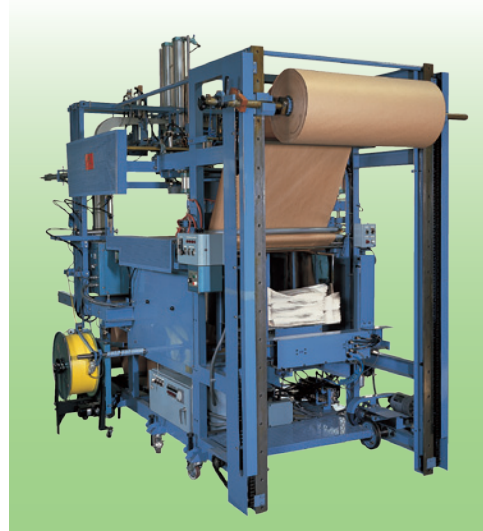
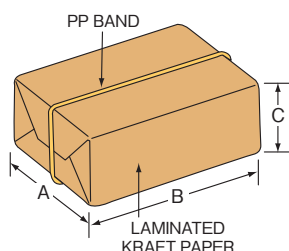
# TP/AP<sub>SERIES</sub> PACKAGING MACHINE FOR BAGS

The small size and light weight of the package make it easily transportable. The compact package requires a small storage area. Identification codes can be printed on the package.

## 8TP

### 8TP

This machine wraps a bundle of SOS bags with a laminated Kraft paper, seals its side with heat, folds both sides completely, and straps the package with PP bands. Waterproof packaging can be easily made.



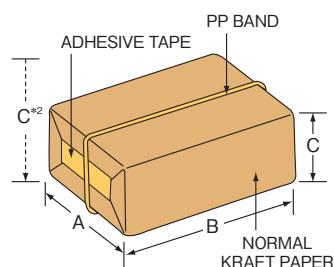
TYPE	Bundle Size <sup>*1</sup> (cm)			Wrapping Paper (Laminated Kraft Paper)			PP Band	Capacity (sec./cycle)	Power Required (kVA)	Utility- Compressed Air (Nℓ /min., 0.5MPa)	Approx. Net Weight (tons)
	A	B	C	Basic Weight (g/m <sup>2</sup> )	Width (Max. cm)	Roll Dia. (Max. cm)	Band Width <sup>*2</sup> (mm)				
8TP-3	22-36	26-55	9-23	75-80+PE20μ	80	60	15.5	25	4.2	200	1.8
8TP-4											
8TP-5	30-46	40-65	10-27	80-85+PE20μ	90	60	15.5	25	4.2	250	2.0
8TP-6											
8TP-9	40-60	40-65	10-27	80-90+PE20μ	100	60	15.5	32	4.2	320	3.0

Notes: \*1 Guide plate to be according to customer's bundle size. \*2 PP band width to be according to customer's request.

※ Specification subject to change without prior notice.

## 36AP

The model presses a bundle of bags and wraps it with normal Kraft paper and seals both end with adhesive tape after folding both sides completely.



Then it straps the package with PP bands.

This system can achieve down-sizing of the package by press effect.



Bundle Size <sup>*1</sup> (cm)			Wrapping Paper		Capacity <sup>*3</sup> (sec./cycle)	Power Required (kVA)	Utility-Compressed Air (Nℓ /min., 0.5MPa)	Approx. Net Weight (tons)
A	B	C	Basic Weight (g/m <sup>2</sup> )	Width (Max. cm)				
20-36	40-64	9-25 (50) <sup>*2</sup>	120	100	30	8.0	300	3.0

Notes: \*1 According to customer's spec. \*2 The max. size before press. \*3 It's for continuous operation.

※ Specification subject to change without prior notice.

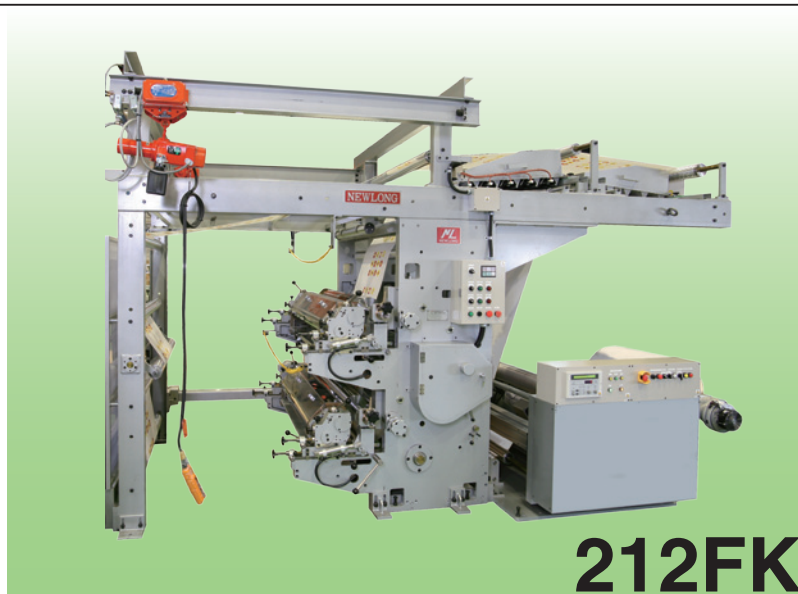
# FK<sub>SERIES</sub> FLEXOGRAPHIC PRINTING PRESS

## FK<sub>SERIES</sub>

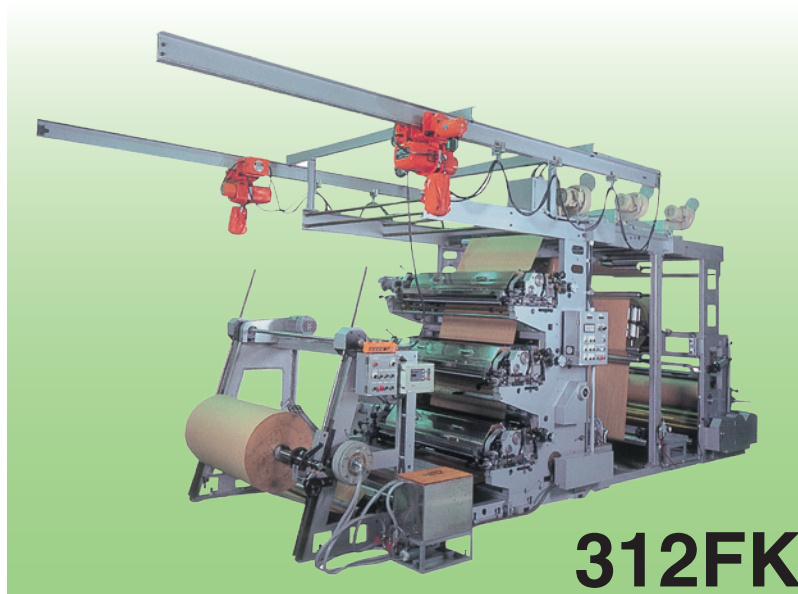
This is a stack type flexographic printing press for printing on one side in either 2-color or 3-color print and can be used in combination with a winding machine. It is best suited for printing kraft paper (SOS) bags even in direct coupling with a bag making machine. This machine is much more economical than the conventional gravure printing machine.

### FEATURES

- Either resin or rubber plate can be used.
- Printer can be directly coupled with the Newlong bag making machine or used offline for preprinting.
- An infrared heater with a blower is used for rapid drying.
- The frame is rugged cast iron construction.
- The plate cylinder is moved up and down by pressing a button.



**212FK**



**312FK**

FK SERIES		207FK	307FK	209FK	309FK	211FK	311FK	212FK	312FK	214FK	314FK
Mechanical Speed (m/min)		max. 200						max. 180			
Print Length (mm)*		300-750 (150-290**)									
Print Width (max. mm)		700		900		1,100		1,200		1,400	
Paper Width (max. mm)		780		980		1,180		1,280		1,480	
Paper Roll Dia. (max. mm)		1,200									
No. of Color		2	3	2	3	2	3	2	3	2	3
Main Motor (kVA)		5.5	5.5	5.5	5.5	7.5	7.5	7.5	11.0	11.0	11.0
Net Weight (tons)		4.3	4.6	4.9	5.2	5.5	5.8	6.2	6.6	7.6	8.1
Gross Weight (tons)		5.0	5.4	5.4	5.6	6.0	6.4	6.7	7.1	8.1	8.7
Measurement (cft)		950	1,050	1,050	1,200	1,250	1,350	1,400	1,500	1,700	1,800
Infra Red Ink Dryer***	-Heater****	1.4kVA × 10		1.8kVA × 10		2kVA × 10		2kVA × 10		2kVA × 10	
	-Blower****	0.4kVA × 3		0.75kVA × 3		0.75kVA × 3		0.75kVA × 3		0.75kVA × 3	

Notes: \* Changed by replacing gears and cylinders (10mm Pitch). One size included: others available at extra cost.

\*\* Double-size printing cylinder is to be used for length between 150 and 300mm.

\*\*\* Direct drying system applies (heater facing paper web, while air is blown from nozzles). Apart from this system, separate heat system available at extra cost as optional, where heated air is blow to the surface of paper web. (Heating unit is mounted separately.) In this case, specify heating source preferred by you (electric heat, steam, oil burner, etc.)

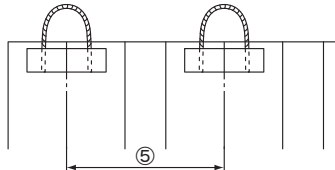
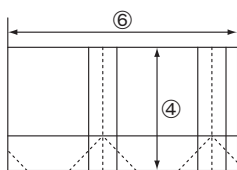
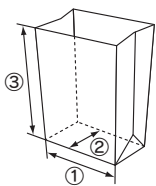
\*\*\*\* Figures in parentheses are available at extra cost, and recommended for printing high-class bleached paper, which absorbs little of ink. For normal kraft paper, standard Dryer system is sufficient, and recommended.

## SPECIFICATIONS FOR SOS BAG MAKING MACHINES

H=HANDLE, C=CONCEALED, U=UNCONCEALED

MODEL	① BAG WIDTH (mm)	② BOTTOM WIDTH (mm)	③ BAG LENGTH (mm)	④ CUTTING LENGTH (mm)	⑤ HANDLE CENTER DISTANCE (mm)	⑥ PAPER WIDTH (mm)	⑦ MAX. SPEED (B/M)	BAG/HANDLE TYPE
6013T	60~130	30~90	100~290	130~310		470	300	SIMPLE BAG ONLY
6013T+13DW	60~130	30~90	100~290	130~310		470	160	
7523T&7523TS	75~230	40~140	170~440	200~470		770	300	SIMPLE BAG ONLY
7523T+445H+545TH	140~230	40~140	185~350	230~380	180~370	770	150	TWISTED H
1532T&1532TS	150~320	60~165	135~435	210~480		1,000	250	SIMPLE BAG ONLY
1532T+460H+560TH	180~320	60~165	180~310	260~360	260~485	1,000	150	TWISTED H
1532TS+508HS	180~320	60~165	160~430	210~480	240~485	1,000	200	FLAT STRAP (C) H
			150~360	210~410				FLAT STRAP (U) H
2036T&2036TS	200~360	70~210	260~590	350~650		1,170	200	SIMPLE BAG ONLY
2036TS+460HS+560TH	200~360	70~210	260~470	350~530	270~570	1,170	150	TWISTED H
2036TS+475HS+575TH	220~360	70~210	260~470	350~530	320~570	1,170	150	TWISTED H
2036TS+508HS	200~360	70~210	260~590	350~650	270~570	1,170	180	FLAT STRAP (C) H
			230~520	350~580			180	FLAT STRAP (U) H
2036CTS+460HS+560TH	200~360	70~210	230~470	300~530	270~570	1,170	150	TWISTED H
2036CTS+508HS	200~360	70~210	230~510	300~570	270~570	1,170	180	FLAT STRAP (C) H
1546TS+460HS+560TH	180~460	80~220	265~520	360~580	260~680	1,390	150	TWISTED H
1546TS+536HS	180~460	80~220	265~590	360~650	260~680	1,390	180	FLAT STRAP (C) H
			265~520	360~580			150	FLAT STRAP (U) H
1546CTS+460HS+560TH	180~460	80~220	220~470	300~530	260~680	1,390	150	TWISTED H
1546CTS+536HS	180~460	80~220	205~510	300~570	260~680	1,390	180	FLAT STRAP (C) H
			220~480	300~540			150	FLAT STRAP (U) H
2254T	220~540	80~200	290~700	400~770		1,510	150	SIMPLE BAG ONLY
2254T+448H+504TH	220~540	80~200	290~580	400~650	370~740	1,510	120	TWISTED H

⑦ MAX. SPEED IS DIFFERED WITH CONDITIONS.  
\* THE SPECIFICATIONS SHALL BE COMPLETED  
BY YOUR REQUIREMENT.



### NEWLONG MACHINE WORKS, LTD.

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