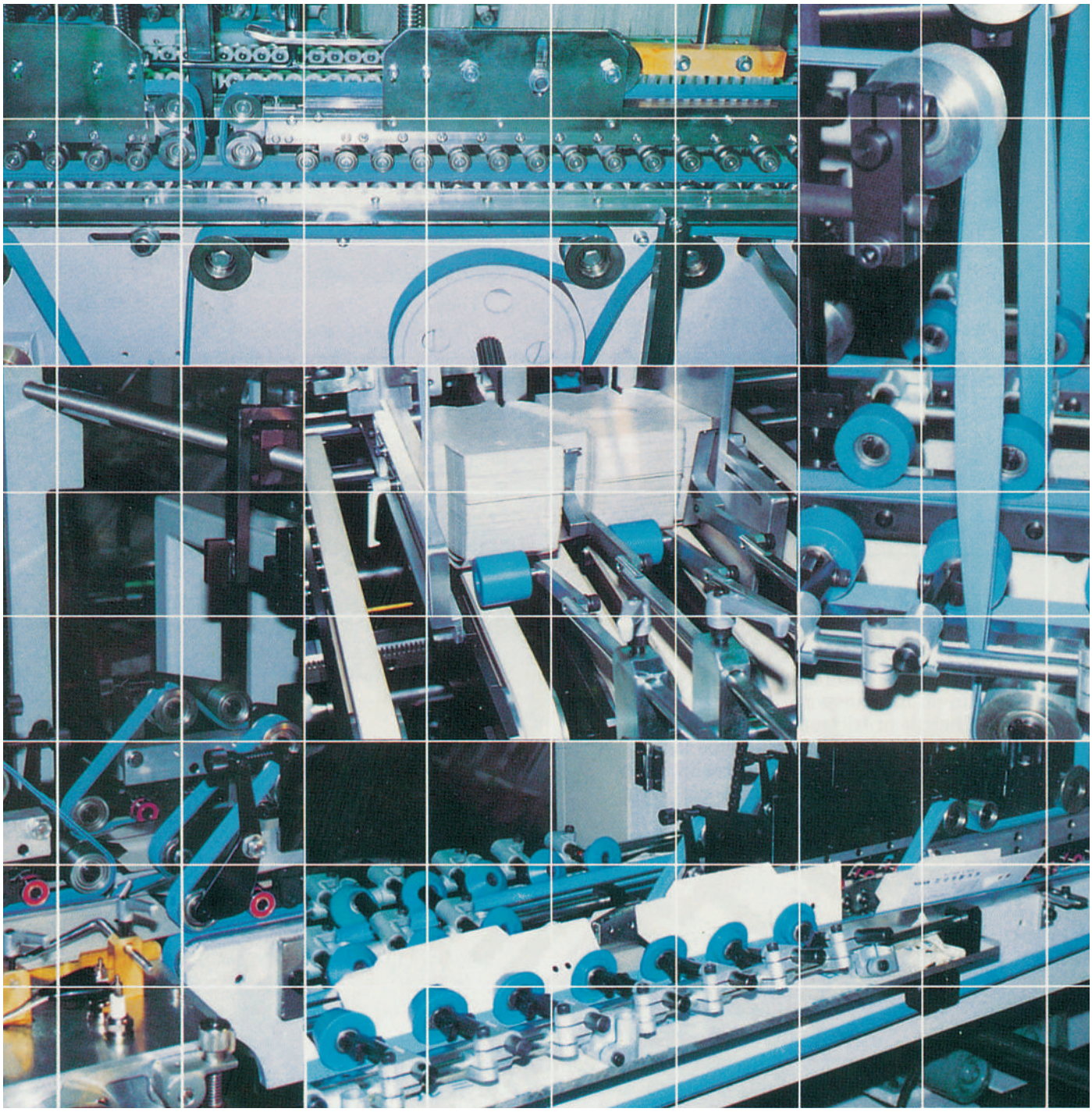
Belts for

Folder Gluers

NITTA

B-FG-03E



Nitta provides you with a fo
power with m

Folding Unit
Delivery Unit Belt:

XH type belts have special synthetic rubber applied to both the top and bottom covers. The rubber applied to the surface of the XH has a high coefficient of friction against paper.
The XH type use two kinds of tension member.
One is polyamide film and the other is polyester fabric.
NittaBeltPoly has a polyamide film tension member and can be spliced by SKIVER style.
PolySprint ™ has a polyester fabric tension member which can be spliced by FINGER style.
The XH type is the most suitable belt for a folder gluer.

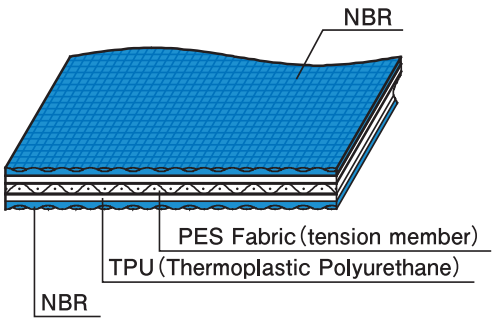
Optimum Coefficient of Friction and Excellent Abrasion Resistance

The surface rubber features two seemingly contradictory characteristics : an optimum coefficient of friction and excellent abrasion resistance. These two characteristics enable the belt to deliver superior paper feeding for long periods.

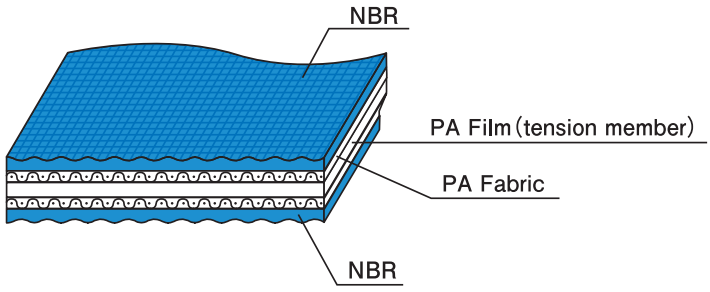
Accurate Folding Performance and Transportation Ability

With increased rigidity and precise thickness, Nitta's belts accurately fold boxes, transport them with uniform speed, and minimize failure in positioning and folding.

PolySprint ™



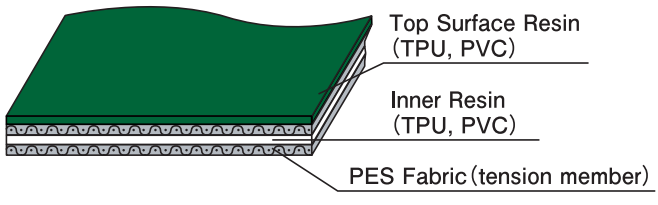
NittaBeltPoly



Compression Conveyor Belt:

NLG™, designed for the compression conveyor, has thermoplastic resin on its transporting surface which shows a high coefficient of friction and high abrasion resistance. For a tension member, NLG™ uses polyester fabric, which features low stretch and dimensional stability.
These characteristics aid in the superior and long lasting performance of this belt.

NLG™



※For sponge-covered belts, please contact us.

lder gluer belt which transmits motor aximum efficiency and accuracy.

Feeder Belt:

SEB™ is used for bottom feeder belts. SE-A-WN, SE -A-NR and SE-A-GN are seamless belts made of a special rubber that provides high coefficient of friction and high abrasion resistance on the transporting surface.
In particular, the SE-A-WN and SE-A-GN uses white and green rubber which shows an even higher coefficient of friction and are ideal for the feeder belt of a folder gluer.
These belts feature a polyester cord tension member with excellent dimensional stability.

Excellent gripping power

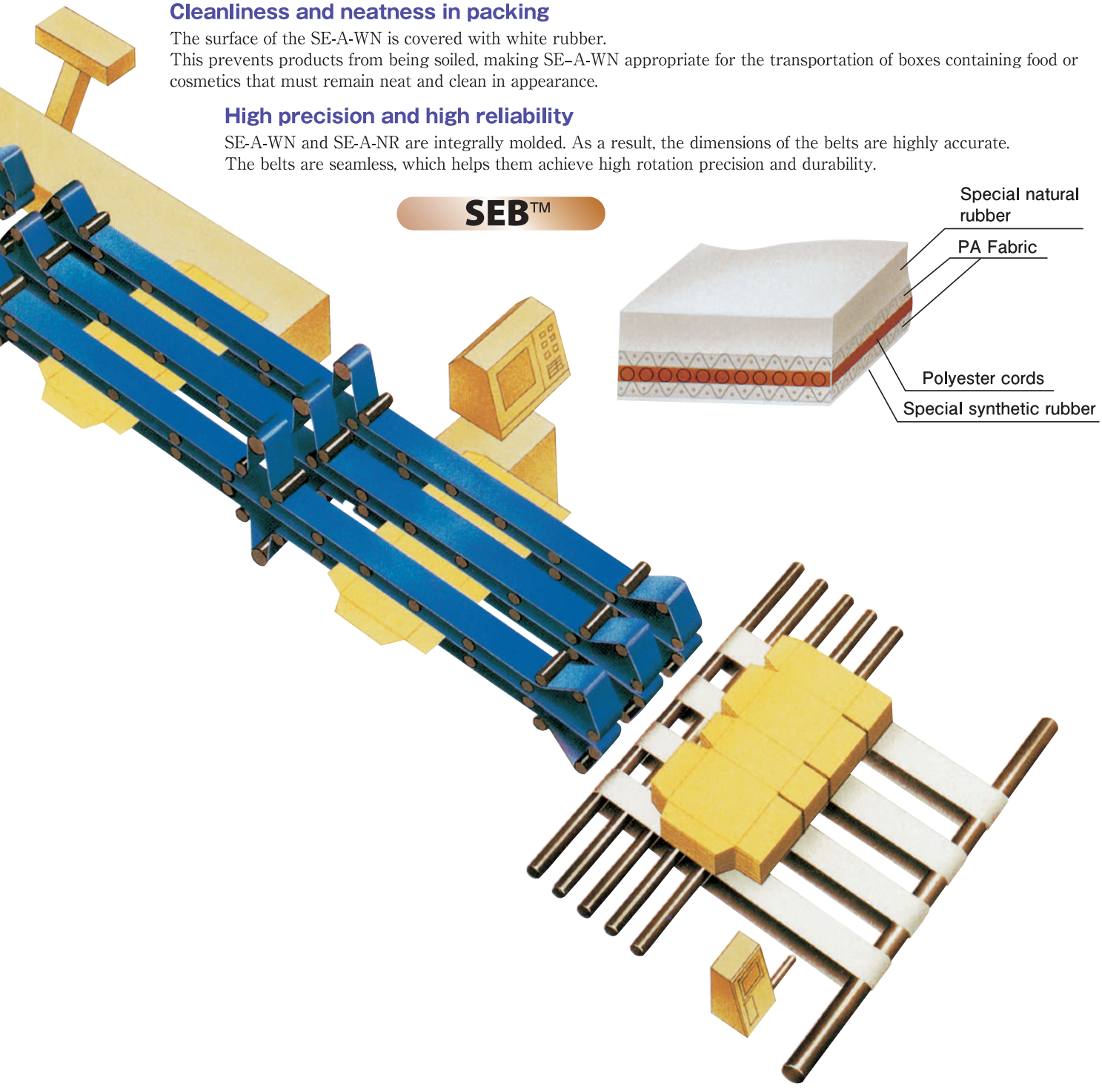
The special rubber on the belt surface displays excellent gripping power and abrasion resistance.
The rubber enables the belt to provide accurate paper feeding for long periods of time.

Cleanliness and neatness in packing

The surface of the SE-A-WN is covered with white rubber.
This prevents products from being soiled, making SE–A-WN appropriate for the transportation of boxes containing food or cosmetics that must remain neat and clean in appearance.

High precision and high reliability

SE-A-WN and SE-A-NR are integrally molded. As a result, the dimensions of the belts are highly accurate.
The belts are seamless, which helps them achieve high rotation precision and durability.



Specifications:

Products	Belt type	Thickness (mm)	Surface	Tension Member	Minimum Pulley Diameter (mm)	Tension @ Standard Elongation (N/mm) (*2)	Standard Elongation (%)	Top Cover Coefficient of Friction	Antistatic	
S E B	SE-A-NR	8.0	NR(blue)/CR(black)	(*1)	80	3.75	0.5	About 1.5(On cardboard)	○	
	SE-A-WN	8.0	NR(white)/CR(white)	(*1)	80	3.75	0.5	About 2.0(On cardboard)	—	
	SE-A-GN ※	8.0	NR(green)/CR(black)	(*1)	80	3.75	0.5	About 2.0(On cardboard)	○	
Nitta Belt Poly	XH-3S-3	3.0	NBR/NBR	PA	50	3.4	1.0	0.8~0.9(On paper)	○	
	XH-3S-4	4.0	NBR/NBR	PA	60	3.4	1.0	0.8~0.9(On paper)	○	
	XH-3S-6	6.0	NBR/NBR	PA	80	3.4	1.0	0.8~0.9(On paper)	○	
	XH-500-3	3.0	NBR/NBR	PA	50	3.8	1.0	0.8~0.9(On paper)	○	
	XH-500-3.5	3.5	NBR/NBR	PA	55	3.8	1.0	0.8~0.9(On paper)	○	
	XH-500-4	4.0	NBR/NBR	PA	60	3.8	1.0	0.8~0.9(On paper)	○	
	XH-500-5	5.0	NBR/NBR	PA	70	3.8	1.0	0.8~0.9(On paper)	○	
	XH-500-6	6.0	NBR/NBR	PA	80	3.8	1.0	0.8~0.9(On paper)	○	
	XH-750-3	3.0	NBR/NBR	PA	60	5.6	1.0	0.8~0.9(On paper)	○	
	XH-750-4	4.0	NBR/NBR	PA	75	5.6	1.0	0.8~0.9(On paper)	○	
	NRT-0	ca.5.5	NBR/PE	PE	100	0.65	1.0	About 1.0(On cardboard)	○	
	NRT-100	ca.4.5	NBR/PE	PE	50	3.0	0.5	About 1.0(On corrugated paper)	○	
	NRT-300	ca.6.5	NBR/PE	PE	100	3.0	0.5	About 1.0(On corrugated paper)	○	
	RT-300	ca.7.0	NBR/PE	PE	100	3.0	0.5	About 1.0(On corrugated paper)	○	
	NRT-500	ca.6.0	NBR/NBR(black)	PA	90	3.8	1.0	About 1.0(On corrugated paper)	○	
PolySprint	XH-8E-30	3.0	NBR/NBR	PE	40	8.0	1.0	0.8~0.9(On paper)	○	
	XH-8E-40	4.0	NBR/NBR	PE	50	8.0	1.0	0.8~0.9(On paper)	○	
	XH-8E-55	5.5	NBR/NBR	PE	70	8.0	1.0	0.8~0.9(On paper)	○	
N L G	BC-20A	2.8	PVC(green glossy)/PE	PE	80(*3)	3.0	0.5	0.7~0.8(on stainless steel)	○	
	BC-22A	3.8	PVC(green glossy)/PE	PE	100(*3)	3.0	0.5	0.7~0.8(on stainless steel)	○	
	CC-20AK	2.8	PVC(white glossy)/PE	PE	80(*3)	3.0	0.5	0.7~0.8(on stainless steel)	—	
	EC-20CK	4.4	PVC(white glossy)/PVC(SQPR pattern)	PE	150(*3)	3.0	0.5	0.7~0.8(on stainless steel)	—	
	GU-21A	2.5	TPU(green)/PE	PE	120(*3)	3.0	0.5	0.5~0.6(on stainless steel)	○	

NR : Natural Rubber
CR : Chloroprene Rubber
NBR : Nitrile Rubber
PE : Polyester Fabric
PA : Polyamide Film
TPU : Thermoplastic Polyurethane
PVC : Polyvinyl Chloride

*1 Polyester Fabric+Polyamide cords
*2 Tension measured after running for 200 hours.
*3 Figures at skiver(EC-20CK's figure shows at step splicing)
*4 Please contact us for NLG splicing tools.
*5 Please contact us .
※ Minimum endless length of PolySprint is 1000mm. Please contact us fo
※ Please contact us for NLG splicing tools.
※ There is a special type, "SE-A-FGN" which has a super-flat surface (ava
※ When using under minimum pulley diameter, please contact us.

Temperature Range (℃～℃)	Maximum Width (mm)	Feeder & Alignment Section		Folding Section				Transfer & Press Delivery Section		Large-size Folder Gluer	Features
		Feeder	Alignment	Prebreaker	Crash-Lock bottom	4 & 6 corner	Folding	Transfer	Pressure & Delivery		
−20～+60℃	(*5)	●									High coefficient of friction, excellent grip and feeding
−20～+60℃	(*5)	●									High coefficient of friction, excellent grip and feeding
−20～+60℃	(*5)	●									High coefficient of friction, excellent grip and feeding
−20～+80℃	300		●	●	●	●	●	●			Stable coefficient of friction and high abrasion resistance
−20～+80℃	300		●	●	●	●	●	●			Stable coefficient of friction and high abrasion resistance
−20～+80℃	300		●	●	●	●	●	●			Stable coefficient of friction and high abrasion resistance
−20～+80℃	300		●	●	●	●	●	●			Stable coefficient of friction and high abrasion resistance
−20～+80℃	300		●	●	●	●	●	●			Stable coefficient of friction and high abrasion resistance
−20～+80℃	300		●	●	●	●	●	●			Stable coefficient of friction and high abrasion resistance
−20～+80℃	300		●	●	●	●	●	●			Stable coefficient of friction and high abrasion resistance
−20～+80℃	300		●	●	●	●	●	●			Stable coefficient of friction and high abrasion resistance
−20～+80℃	300		●	●	●	●	●	●			Stable coefficient of friction and high abrasion resistance
−20～+80℃	300		●	●	●	●	●	●			Stable coefficient of friction and high abrasion resistance
−20～+80℃	480									●	High coefficient of friction due to rough top, and excellent abrasion resistance
−20～+80℃	480									●	High coefficient of friction due to rough top, and excellent abrasion resistance
−20～+80℃	480									●	High coefficient of friction due to rough top, and excellent abrasion resistance
−20～+80℃	460									●	High coefficient of friction due to rough top, and excellent abrasion resistance
−20～+80℃	480									●	High coefficient of friction due to rough top, and excellent abrasion resistance
−20～+60℃	300		●	●	●	●	●	●			Due to finger splicing, high flexibility and quick, easy splicing. Stable coeff. of friction.
−20～+60℃	300		●	●	●	●	●	●			Due to finger splicing, high flexibility and quick, easy splicing. Stable coeff. of friction.
−20～+60℃	300		●	●	●	●	●	●			Due to finger splicing, high flexibility and quick, easy splicing. Stable coeff. of friction.
−5～+70℃	3000								●		General use
−5～+70℃	3000								●		General use
−5～+70℃	3000								●		General use with white color
−5～+70℃	3000								●		Square pattern (reverse side)
−10～+80℃	3000								●		Polyurethane material applicable for wide conveyor.

r minimun endless length of PolyBelt and NLG.

ilable only in 800mm or more). Please contact us for more information.

Splicing Tools (*PolySprint* ™,)

For *PolySprint* ™ ……finger splicing

●Finger Puncher

Type	Appearance	Features	Max.Belt Width (mm)	Max.Belt Thick.ness (mm)	Size (mm) Width	Size (mm) Length	Size (mm) Height	Wt. (kg)	Finger Length × Pitch (mm)
FP70-10-50		Precise indexing system, allows user to punch aligned 10mm pitch fingers in stages across the width of the belt	50	6.0	180	600	250	9.0	70×10
FP120-10-50									120×10
FP70-10-100		Precise indexing system, allows user to punch aligned 10mm pitch fingers in stages across the width of the belt	100	6.0	230	610	250	10.4	70×10
FP120-10-100									120×10

●Heat Press

Type	Appearance	Features	Max.Belt Width (mm)	Max.Belt Thick.ness (mm)	Size (mm) Width	Size (mm) Length	Size (mm) Height	Wt. (kg)	Finger Length × Pitch (mm)	Power	Temp. (℃)
NPS-1210-1 (PS E)		Automated heating and cooling press	100	6.0	240	309	177	9.4	70×10 120×10	100V	~200
NPS-1210-2 (CE)										200V	

●Accessories

Type	Appearance	Features
Presetter		Guide rails to hold joint straight when pressing

For NittaBeltPoly……skiver splicing

●Poly Press

Type	Appearance	Features	Max.Belt Width (mm)	Max.Belt Thick.ness (mm)	Size (mm) Width	Size (mm) Length	Size (mm) Height	Wt. (kg)	Power	Temp. (℃)
PP103		Highly reliable and widely accepted	100	5.0	140	295	150	3.1	100V or 200V	110

※PolyBelt splicing tools require the correct type of chemical adhesive (PolyBond) for the belts being made endless.

■ SEB Inner Length List

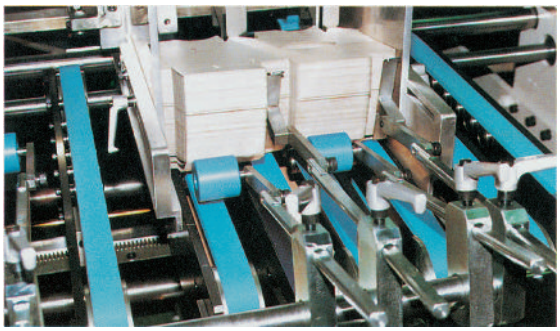
Belt type; SE-A-NR SE-A-WN SE-A-GN **Thickness;** 8.0mm

400mm to 600mm			600mm to 800mm		800mm to 1000mm	1000mm to 2500mm		
400.0	468.0	586.0	600.0	750.0	800.0	1000.0	1207.0	1700.0
404.0	472.0	589.0	605.0	755.0	815.0	1008.0	1230.0	1708.0
407.0	480.0	592.0	610.0	760.0	830.0	1016.0	1234.0	1800.0
409.0	489.0	597.0	617.0	764.0	850.0	1021.0	1250.0	1835.0
410.0	493.0		626.0	770.0	857.0	1023.0	1261.0	1850.0
411.0	500.0		635.0	785.0	870.0	1026.0	1270.0	1890.0
414.0	501.0		638.0		876.0	1041.0	1300.0	1965.0
417.0	508.0		648.0		900.0	1050.0	1308.0	1970.0
420.0	516.0		650.0		908.0	1060.0	1338.0	
421.0	520.0		656.0		913.0	1066.0	1350.0	
422.0	525.0		660.0		935.0	1067.0	1396.0	
423.0	529.0		665.0		950.0	1071.0	1415.0	
426.0	534.0		670.0		960.0	1073.0	1430.0	
427.0	539.0		676.0		973.0	1080.0	1450.0	
430.0	542.0		685.0		980.0	1093.0	1478.0	
435.0	545.0		692.0		995.0	1100.0	1500.0	
441.0	550.0		695.0			1115.0	1535.0	
445.0	553.0		700.0			1135.0	1550.0	
450.0	555.0		707.0			1142.0	1590.0	
452.0	560.0		708.0			1145.0	1600.0	
456.0	570.0		720.0			1165.0	1620.0	
457.0	575.0		729.0			1175.0	1645.0	
461.0	580.0		736.0			1190.0	1653.0	
465.0	583.0		743.0			1200.0	1660.0	

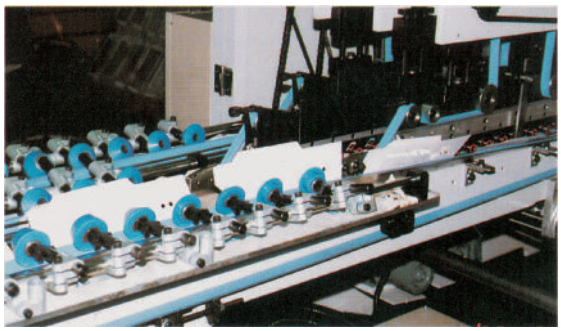
Nitta Offers You Appropriate and Diverse Belts for Folder Gluer.

Nitta has developed various types of belts for bottom feeders, folding units, delivery units, and compression conveyors. Proved by actual results, our products have been selected by many companies. We constantly improve our products to satisfy the needs and demands of our customers, and continue to develop the most efficient and cost effective belts for all folding and gluing operations.

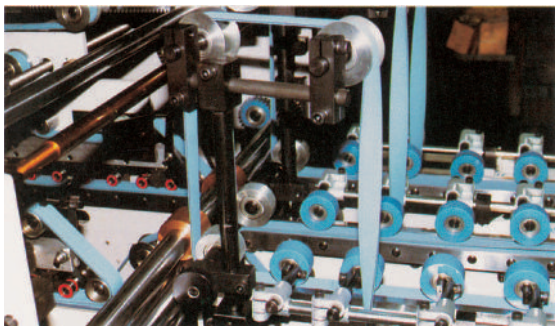
■Sample Applications



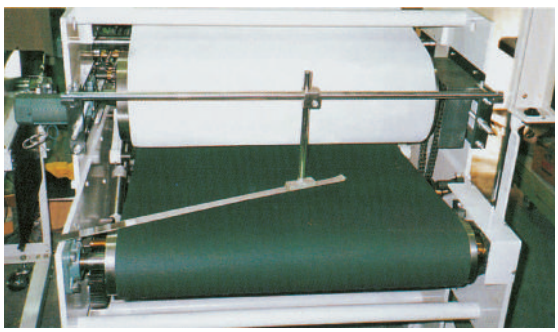
SE-A-NR



XH-500-4



XH-500-3.5



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