For Safe Use of Products

※Before use, carefully read and follow the safety precautions below.

For safe use, this instruction manual and the product use various symbols and signal words.
After fully understanding their meanings, read the safety precautions and follow the instructions.
■Improper use ignoring the symbols and the signal words may result in the following risks.

Symbol and Signal Word	Severity of Risk
⚠ DANGER	
⚠ WARNING	Indicates matters that may lead to death or serious injury if ignored or incorrectly handled.
⚠ CAUTION	Indicates matters that may lead to injury and physical damage if ignored or incorrectly handled.

Signs	Meaning of Signs
Prohibition	Indicates actions that you must not do when handling the products.
Mandatory Action	Indicates mandatory actions that must be adhered to.

1. Function and Performance

⚠ DANGER

- Do not use the belt as hoisting or towing equipment.

⚠ WARNING

- Do not use the belt beyond the acceptable ranges specified in the Catalogue.
- When fire and malfunction of the control device are expected due to static electricity generating in the transmission device, use an antistatic belt. Set a neutralization apparatus in the transmission device.
- Do not use the belt for conveying unpackaged food.

2. Storage and Shipping

⚠ WARNING

- Keep fire away.
- Belt is combustible;do not store or use it near fire or a high-temperature heat source.
- When storing heavy belts, fix them by appropriate jigs or stoppers to prevent falling or rolling.

⚠ CAUTION

- When storing and shipping the belts, do not distort them excessively.
- Store the belts in a well-ventilated, low-humidity place free from direct sunlight. The recommended storage temperature is – 10 to + 30℃.
- Store the belts in the shipping packages.

3. Installation and Daily Use

⚠ DANGER

- Be sure to put a safety cover over the rotating part including the belt; hair, gloves or clothes may get caught in the belt pulley.
- Before maintenance, inspection or replacement, be sure to turn off the switch and check that the machine stops.

⚠ WARNING

- When cleaning the belt, do not use chemicals harmful to humans.

⚠ CAUTION

- After replacing the belt with a new one, perform a test operation to adjust tension, elongation rate and operation.
- Do not attach the belt forcibly; use a motor slide, a tension pulley or a special pulling device.
- When abnormal noise, snaking, deviation, slipping, etc. occur, stop the belt immediately for inspection.

4. Installation, Endless Processing, etc.

⚠ WARNING

- When using solvent or adhesive, fully ventilate the workplace. Keep fire away.

⚠ CAUTION

- Perform endless joining of belts by using the materials, the methods and the procedures specified by Nitta.

5. Handling Used Belts

⚠ WARNING

- Do not leave the belts near fire.

⚠ CAUTION

- Do not burn used belts; harmful gasses may be generated.
- Lawfully dispose of the used belts as industrial waste.

NITTA CORPORATION

4-4-26 Sakuragawa Naniwa-ku,Osaka 556-0022 Japan
Phone:+81-6-6563-1225 Fax:+81-6-6563-1242
https://www.nitta.co.jp/en

NITTA CORPORATION OF AMERICA
7605 Nitta Drive, Suwanee,GA 30024, U.S.A.
Phone:+1-770-497-0212 Fax:+1-770-623-1398
http://www.nitta.com

NITTA CORPORATION OF HOLLAND B.V.
Berenkoog 25, 1822 B.H. Alkmaar,The Netherlands
Phone:+31-72-5622234 Fax:+31-72-5613238
http://www.nitta.nl

NITTA (SHANGHAI) MANAGEMENT CO., LTD
Room2705, Shenggao International Building, No.137 Xianxia Road,Shanghai 200051 CHINA
Phone:+86-21-6229-6000 Fax:+86-21-6229-9606
http://www.nitta-cn.com

NITTA CORPORATION INDIA PVT. LTD.
Gat No 191, 192, and 193, Plot No B, Village Vadhu Khurd, Taluka Haveli Dist Pune-412216, INDIA
Phone:+91-20-6731-3400 Fax:+91-20-6731-3401
http://www.nitta.co.in

NITTA CORPORATION KOREA OFFICE
Room710, 7F, ShinhanDM Bldg. Mapo-daero 25, Mapo-gu, Seoul, Korea
Phone:+82-2-3274-1252 Fax:+82-2-3274-1253
http://www.nitta.kr

TAIWAN NITTA FILTER CO.,LTD.
Headquarters: Chia Hsin Building 10FL Room No. 1005, 96 Chung Shan North Road Section 2,Taipei,Taiwan
Phone:+886-2-2581-6296 Fax:+886-3-469-0260
http://www.nitta.com.tw

NITTA INDUSTRIES EUROPE GmbH
Heerdter Lohweg 35, 40549 Dusseldorf,Germany
Phone:49-211-537535-0 Fax:+49-211-537535-35
http://www.nitta.de

NITTA CORPORATION OF SINGAPORE PTE LTD.
120 Lower Delta Road, #05-07/08
Cendex Centre,Singapore 169208
Phone:+65-6438-8738 Fax:+65-6438-8793
http://www.nitta.com.sg
<Liaison Office> Indonesia, Vietnam

NITTA CORPORATION (THAILAND) LIMITED
7/472 Moo 6,Tambol Mabyangporn, Amphur Pluakdaeng, Rayong Province 21140, THAILAND
Phone:+66-38-018-301 Fax:+66-38-018-304
http://www.nittathai.com

NITTA BRASIL
Rua Francisco Mommenshon,50B,Galpão 02
Laranjeiras,Caieiras,São Paulo,Brazil
Phone/Fax:+55-11-4441-2922
http://www.nitta.com.br

CONNECT CONVEYOR BELTING INC.
405 Industrial Drive Unit 3-8, Milton, Ontario Canada L9T 5B1
Phone:+1-905-878-5552 FAX:+1-905-878-0344
https://www.connectbelting.com

The specification is subject to change for improvement without notice.

B-CA-08E 2004500U

Invention & Innovation
NITTA

Corrugated Cardboard and Paperboard Conveyance

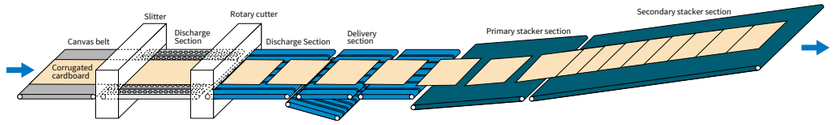
Paper Manufacturing Belt

NITTA CORPORATION

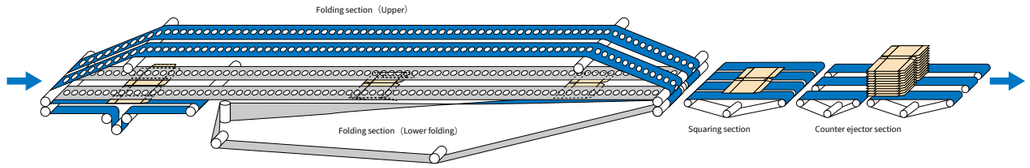
NITTA Belts are perfect for conveying corrugated cardboard and paperboards

Since our establishment in 1885, we have met the expectations of our customer using advanced technology and reliable quality, centering on our power transmission belts over the past 130 years.
And in the field of corrugated cardboard and paperboard conveyance, we provide durable sophisticated belts with high performance and high-speed conveyance capability, which connect to greater processing accuracy for corrugated cardboard and paperboard through faster transmission power and more reliable transference.

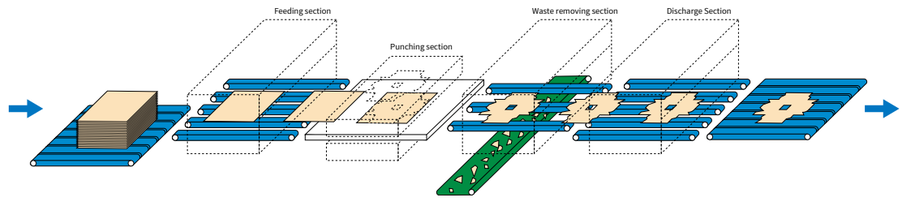
Corrugator line



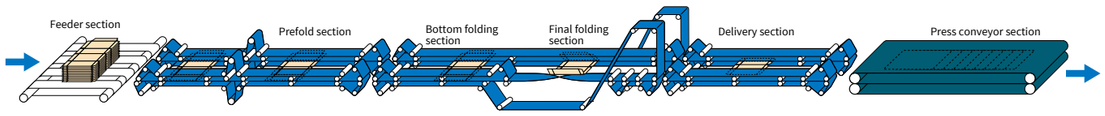
Flexo folder gluer line



Die cutter



Folder gluer



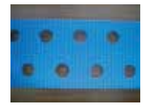
Related pages		P3、4	P5、6	P9	P7、8	P7、8
Location using the belt		RT series	XH series	Feeder belt	NLG	other
Corrugator line (corrugated cardboard lamination process)	Slitter Discharge Section	○				
	Cutter (cutoff) Discharge section	○				
	Delivery section	○				
	Defect removal conveyor section	○				
	Stacker section	○			○	
	Material handling section				○	
Flexo folder gluer line (corrugated carton manufacturing process)	Sheet feeder (auto sheet feeder) section	○				
	Paper feed (feeder section)	○				
	Folding section – Upper	○				
	Folding section – Lower feeding	○	○			○
	Folding section – Lower folding	○				
	Squaring section	○				
	Counter ejector section	○				
	Strapping section	○				
	Materials handling section				○	
Automatic platen cutting and creasing machine, hot foil stamping machine	Sheet feeder (auto sheet feeder) section	○			○	○
	Feeding section (feed table)	○		○	○	○
	Punching section	○			○	○
	Waste removing section	○			○	○
	Paper ejection section	○			○	○
Folder gluer (corrugated cardboard and paperboard carton manufacturing process) **Automatic carton manufacturing machine** (one-touch gluer)	Paper feed (feeder section)			○		
	Prefold section		○			
	Bottom folding section		○			
	Final folding section		○			
	Delivery section		○			
	Press conveyor section				○	
Printer slotter, laminating machine, laminator, window patching machine	Paper feed (feeder section)	○		○		
	Main unit section	○				
	Paper ejection section	○			○	
Others	Offset printer					○
	Paper sheeter					○

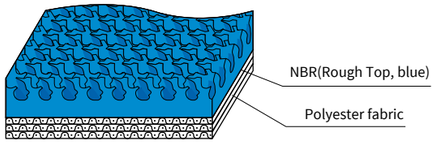
For general paper manufacturing machinery Rough Top Belt RT series

Long-life synthetic rubber Rough Top with a stable friction coefficient and high abrasion resistance.
Various kinds of products are available depending on the purpose, such as cost-effective Rough Top made with rubber and PVC.

Nitta PolyBelt™ RT-300

- Surface form with a high friction coefficient.
- Excellent cushioning property and abrasion resistance.
- Equipped with high anti-tear strength even after punching holes.


Hole punching example



Belt Type	Products	Thickness (mm)	Cover Material								Tension Member	Minimum pulley Diameter (mm)	Standard Elongation (%)	Tension standard Elongation (N/mm) ※3	Splice type	Temperature Range (°C)	Maximum Width	Examples of major application
			Top surface				Bottom surface											
			Material	μ※1	Shape	Color	μ※2	Shape	Color									
RT-22E70-2	PolySprint	abt.7.0	NBR	abt.1.0	RT	Blue	0.2 ～ 0.25	Fabric	White		PE	100	0.5	10	S/F/L	- 20 ～ +80	480	An all-around belt which can speed up the manufacturing process for corrugated cardboard, demonstrating high flexibility and bendability with a stable friction coefficient. Suitable for sections of machinery, from corrugator to carton manufacturing machines.
RT-300	PolyBelt	abt.7.0	NBR	abt.1.0	RT	Blue	0.2 ～ 0.25	Fabric	White		PE	100	0.5	3	S/L	- 20 ～ +80	500	An all-around belt with a stable friction coefficient and high abrasion resistance, suitable for sections of machinery from corrugator to carton manufacturing machines.
NRT-300	PolyBelt	abt.6.5	NBR	abt.1.0	NRT	Blue	0.2 ～ 0.25	Fabric	White		PE	100	0.5	3	S/L	- 20 ～ +80	480	Perfect for conveyors of squaring sections and paper carton making machinery with a stable friction coefficient and abrasion resistance.
NRT-0	PolyBelt	abt.5.5	NBR	abt.1.0	NRT	Blue	0.2 ～ 0.25	Fabric	White		PE	100	1	0.65	L/ST	- 20 ～ +80	480	Perfect for low-speed multi-row conveyors of squaring sections and paper carton making machinery with high abrasion resistance.
NRT-100	PolyBelt	abt.4.5	NBR	abt.1.0	NRT	Blue	0.2 ～ 0.25	Fabric	White		PE	50	0.5	3	S/L	- 20 ～ +80	480	
NRT-500	PolyBelt	abt.6.0	NBR	abt.1.0	NRT	Blue	0.5 ～ 0.6	Textured Surface	Black		PA	90	1	3.8	S/ST	- 20 ～ +80	480	A dedicated belt for folding (lower folding) with high abrasion resistance.
CBE-20	PolyBelt	abt.7.0	NBR	abt.1.0	RT	Blue	0.2 ～ 0.25	Fabric	Black		PE	100	0.5	3	L	- 20 ～ +80	460	A dedicated belt for counter ejector sections effective in preventing scratches and color transfer after printing.
GRT-24AK	NLG	7.7	NR	abt.1.0	RT	Brown	0.2 ～ 0.25	Fabric	Brown		PA fabric	80	1	3	S/L	- 20 ～ +80	1800	Equipped with natural rubber Rough Top suitable for grip-emphasized sections.
VRT-20A	NLG	6	PVC	abt.1.0	RT	Green	0.2 ～ 0.25	Fabric	White		PE	60/100	0.5	3	F/ST	- 5～ +70	2000	Cost-effective PVC Rough Top.

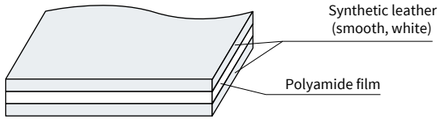
For paper manufacturing machinery for specific use

We provide our belts such as PolyBelt, PolySprint, NLG and SEB for use in general industrial machinery in printing, textile, paper, plywood, steel and distribution industries.
Choose the optimum belts for your specific application from among our various products with various combinations of belt surface materials and core materials.

Nitta PolyBelt™ CBX-7S

- Prevents scratches to the conveying objects.
- Exhibits high abrasion resistance, heat resistance and planarity.
- Maintains a stable friction coefficient from initial installation until replacement.


Perforated belt example



Major Applications	Belt Type	Products	Thickness (mm)	Cover Material								Tension Member	Minimum pulley Diameter (mm)	Standard Elongation (%)	Tension standard Elongation (N/mm) ※3	Splice type	Temperature Range (°C)	Maximum standard Width (mm)	Features
				Top surface				Bottom surface											
				Material	μ※1	Shape	Color	μ※2	Shape	Color									
Dedicated belts for feeder and ejector sections of slitters and cutoffs.	**CBX-7S**	PolyBelt	4.2	Synthetic leather	0.4 ～ 0.5	Flat and smooth	White	0.2 ～ 0.25	Synthetic leather	White		PA	75	1	7.5	S	- 20 ～ +80	300	Synthetic leather is used as surface material. Excellent abrasion resistance. Exhibits high anti-tear strength, longitudinal crack resistance and cut resistance, even when belt has been perforated. Excellent heat resistance. Maintains a stable friction coefficient and planarity.
Lower feeding belts for flexo folder gluers.	**H-750**	PolyBelt	3.75	NBR	0.7 ～ 0.8	Textured Surface	Blue	0.5 ～ 0.6	Textured Surface	Black		PA	75	1	5.6	S	- 20 ～ +80	300	Excellent bending, and durable flange. The surface rubber is abrasion resistant with exceptional long life.
	XH-750-4	PolyBelt	4.25	NBR	0.8 ～ 0.9	Textured Surface	Blue	0.7 ～ 0.8	Textured Surface	Black		PA	70	1	5.6	S	- 20 ～ +80	300	
	NEW **XHTG-15E34-2**	Poly Sprint	3.4	NBR	0.8 ～ 0.9	Textured Surface	Blue	0.2 ～ 0.25	PES Fabric	White		PE	50	0.5	7.5	F	- 5 ～ +60	100	

NBR : Nitrile rubber　NR: Natural rubber　PVC: Vinyl chloride　PU: Poly urethane　PE: Polyester fabric　PA: Polyamide film
PA fabric：Polyamide fabric

S: Skived splice　F: Finger splice　L: Lacing splice　ST: Step splice

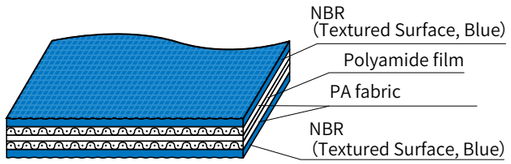
※ 1. Friction coefficient (for corrugated cardboard)　※ 2. Friction coefficient (for iron)　※ 3. Tension values are based on data after 200 hours of running.

Nitta PolyBelt™, *PolySprint*™ Belts for Folder gluers , XH Series

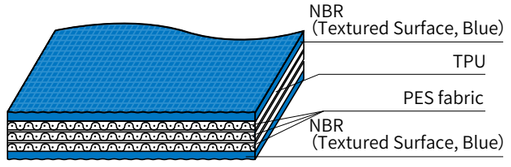
Ideal for the paperboard or corrugated carton manufacturing process from the prefold section to the folding section and delivery section.
Highly precise carton manufacturing is achieved with a moderate and stable grip, providing durability against multiple bends, twists, side grip conveyor transference and the guide rollers.

Belt Type	Products	Thickness (㎜)	Cover Material								Tension Member	Minimum pulley Diameter (㎜)	Standard Elongation (%)	Tension standard Elongation (N/㎜) ※3	Splice type	Temperature Range (℃)	Maximum Width	Features
			Top surface				Bottom surface											
			Material	μ※1	Shape	Color	μ※2	Shape	Color									
NEW XH-500-3-F	PolyBelt	3	NBR (FDA)	0. 8～0. 9	Textured Surface	Light Gray	0. 7～0. 9	Textured Surface	Light Gray		PA	50	1	3.8	S	- 20 ～ +60	320	Nitta now has available PolyBelt™ XH series in FDA compliant material for food and beverage industry. Our FDA XH rubber have very similar performance to our blue XH rubber.
NEW XH-500-4-F	PolyBelt	4	NBR (FDA)	0. 8～0. 9	Textured Surface	Light Gray	0. 7～0. 9	Textured Surface	Light Gray		PA	60	1	3.8	S	- 20 ～ +60	320	
XH-500-3	PolyBelt	3	NBR	0. 8～0. 9	Textured Surface	Blue	0. 7～0. 8	Textured Surface	Blue		PA	50	1	3.8	S	- 20 ～ +80	320	The Nitta PolyBelt™ XH Series belts use polyamide cores of high strength. They set the standard and come in many types with high flange resistance. The series is a two-component adhesive type.
XH-500-3.5	PolyBelt	3.5	NBR	0. 8～0. 9	Textured Surface	Blue	0. 7～0. 8	Textured Surface	Blue		PA	55	1	3.8	S	- 20 ～ +80	320	
XH-500-4	PolyBelt	4	NBR	0. 8～0. 9	Textured Surface	Blue	0. 7～0. 8	Textured Surface	Blue		PA	60	1	3.8	S	- 20 ～ +80	320	
XH-500-5	PolyBelt	5	NBR	0. 8～0. 9	Textured Surface	Blue	0. 7～0. 8	Textured Surface	Blue		PA	70	1	3.8	S	- 20 ～ +80	320	
XH-500-6	PolyBelt	6	NBR	0. 8～0. 9	Textured Surface	Blue	0. 7～0. 8	Textured Surface	Blue		PA	80	1	3.8	S	- 20 ～ +80	320	
XH-750-3	PolyBelt	3.25	NBR	0. 8～0. 9	Textured Surface	Blue	0. 7～0. 8	Textured Surface	Blue		PA	60	1	5.6	S	- 20 ～ +80	320	
XH-750-4	PolyBelt	4.25	NBR	0. 8～0. 9	Textured Surface	Blue	0. 7～0. 8	Textured Surface	Blue		PA	75	1	5.6	S	- 20 ～ +80	320	
XH-750-6	PolyBelt	6.25	NBR	0. 8～0. 9	Textured Surface	Blue	0. 7～0. 8	Textured Surface	Blue		PA	90	1	5.6	S	- 20 ～ +80	320	
XH-8E30	PolySprint	3	NBR	0. 8～0. 9	Textured Surface	Blue	0. 7～0. 8	Textured Surface	Blue		PE	40	1	8	F	- 20 ～ +60	480	The PolySprint™ XH Series is a type can be used for simplified endless joinning. It has excellent dimensional stability, perfect for use with small pulleys and allowing for faster folder gluer operation.
XH-8E40	PolySprint	4	NBR	0. 8～0. 9	Textured Surface	Blue	0. 7～0. 8	Textured Surface	Blue		PE	50	1	8	F	- 20 ～ +60	480	
XH-8E55	PolySprint	5.5	NBR	0. 8～0. 9	Textured Surface	Blue	0. 7～0. 8	Textured Surface	Blue		PE	80	1	8	F	- 20 ～ +60	480	

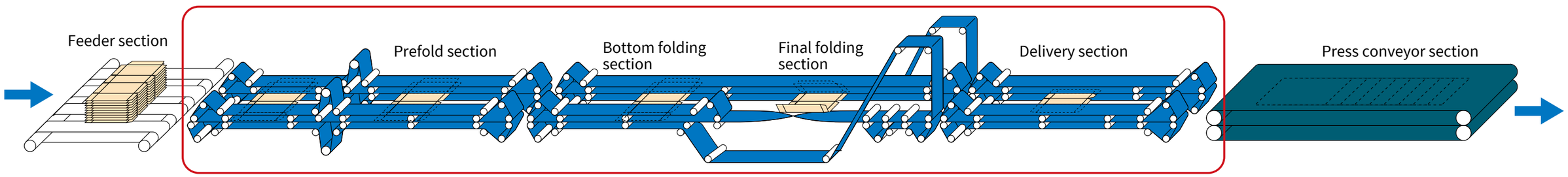
Nitta PolyBelt™ XH Series



***PolySprint*™ XH Series**



Application examples for sections from prefold to delivery of folder gluers.



NBR : Nitrile rubber　NR: Natural rubber　PVC: Vinyl chloride　PU: Poly urethane　PE: Polyester fabric　PA: Polyamide film
PA fabric：Polyamide fabric

S: Skived splice　F: Finger splice　L: Lacing splice　ST: Step splice

※ 1. Friction coefficient (for corrugated cardboard)　※ 2. Friction coefficient (for iron)　※ 3. Tension values are based on data after 200 hours of running.

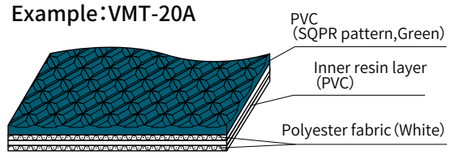
NLG™ Wide conveyor belts for press conveyors, stackers, material handling conveyors, and belt feeders (paper feed)

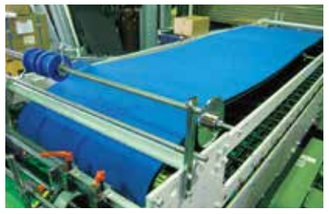
NLG is a conveyor belt made of tough polyester canvas with low elongation, high abrasion resistant urethane, cost-effective PVC, and in addition, other materials developed for each particular use. It is ideal for stackers of corrugators and press conveyors of folder gluers thanks to its high grip.

Features

- Suitable for a wide range of conveying, including sloping lines.
- Dimensionally stable, and highly resistant to oil, chemicals and friction.
- Equipped with rigidity in the width direction and excellent planarity.
- Wide widths are available (Max width: 3,000 mm).

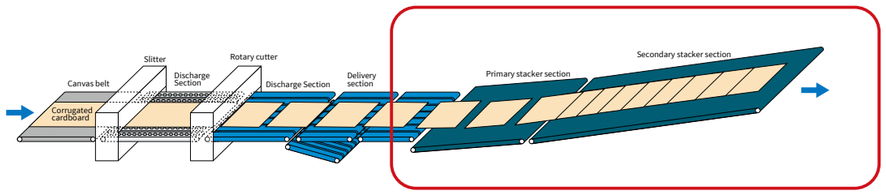
Example：VMT-20A



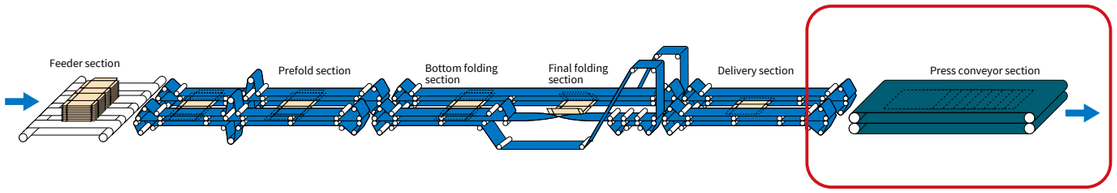


Belt Type	Products	Thickness (mm)	Cover Material								Tension Member	Minimum pulley Diameter (mm)	Standard Elongation (%)	Tension standard Elongation (N/mm) ※3	Splice type	Temperature Range (℃)	Maximum Width	Features
			Top surface				Bottom surface											
			Material	μ※1	Shape	Color	μ※2	Shape	Color									
MGRB-14A	NLG	2.7	PVC	1.0 or more	Longitudinal groove pattern	Green	0.2 ～ 0.25	Fabric	White		PE	50/80	0.5	2	F/S	- 5 ～ +70	2000	The longitudinal groove surface structure is ideal for pushing and stacking.
MGC-14A	NLG	2.1	PVC	0.7 ～ 0.8	Glossy	Green	0.2 ～ 0.25	Fabric	White		PE	30/50	0.5	2	F/S	- 5 ～ +70	3000	The surface is ideal for pushing and stacking.
VMT-20A	NLG	2.7	PVC	0.6 ～ 0.7	SQPR	Green	0.2 ～ 0.25	Fabric	White		PE	50/80	0.5	3	F/S	- 5 ～ +70	3000	The surface shape has an MT pattern which is ideal for slope stackers to stack corrugated cardboard.
BC-20A	NLG	2.8	PVC	0.7 ～ 0.8	Glossy	Green	0.2 ～ 0.25	Fabric	White		PE	50/80	0.5	3	F/S	- 5 ～ +70	3000	Provides rigidity in the width direction and high planarity, ideal for press conveyors due to its moderate weight and is compatible with sponge coating.
BC-22A	NLG	3.8	PVC	0.7 ～ 0.8	Glossy	Green	0.2 ～ 0.25	Fabric	White		PE	60/100	0.5	3	F/S	- 5 ～ +70	3000	
CC-20AK	NLG	2.8	PVC	0.7 ～ 0.8	Glossy	White	0.2 ～ 0.25	Fabric	White		PE	50/80	0.5	3	F/S	- 5 ～ +70	3000	White general type
EC-20CK	NLG	4.4	PVC	0.7 ～ 0.8	Glossy	White	0.3 ～ 0.4	SQPR	White		PE	100/150	0.5	3	F/ST	- 5 ～ +70	3000	White type with pattern on the back
GU-21A	NLG	2.5	PU	0.5 ～ 0.6	Satin finish surface	Green	0.2 ～ 0.25	Fabric	White		PE	60/120	0.5	3	F/S	- 10 ～ +80	3000	The smooth PU surface material provides high resistance to abrasion and can be used for pallet conveying at feeding and material handling sections.

Application example　Corrugator stacker section



Application example Folder gluers Press section



Nitta PolyBelt™, *PolySprint*™ Conveyor belt for offset printing equipment/Paper sheeter

Belt Type	Products	Thickness (mm)	Cover Material								Tension Member	Minimum pulley Diameter (mm)	Standard Elongation (%)	Tension standard Elongation (N/mm) ※3	Splice type	Temperature Range (℃)	Maximum Width	Features
			Top surface				Bottom surface											
			Material	μ※1	Shape	Color	μ※2	Shape	Color									
SG-500	PolyBelt	1.1	NBR	0.3 ～ 0.4	Weave	Green	0.3 ～ 0.4	Weave	Black		PA	50	1	3.75	S	- 20 ～ +80	325	Offset printing machine for package printing
NEW NB-2E10	PolySprint	1.0	TPU	0.4 ～ 0.5	Flat	Blue	0.2 ～ 0.3	Knit	Blue		PE	20	1	2	F	0 ～ +60	330	Paper sheeter
FZ-5E12	PolySprint	1.25	Polyamide fabric impregnated with nitrile rubber	0.6 ～ 0.7	Impregnation	Green	0.5 ～ 0.6	Weave	Blue		PE	35	1	5	F	- 20 ～ +60	500	Offset printing machine for package printing
GTD	PolySprint	1.45	NBR	0.8 ～ 0.9	Textured Surface	Dark Blue	0.3 ～ 0.4	Textured Surface	Black		TPU	25	5	1.1	F	0 ～ +60	500	Paper sheeter / No take up required

NBR : Nitrile rubber　NR: Natural rubber　PVC: Vinyl chloride　PU: Poly urethane　PE: Polyester fabric　PA: Polyamide film
PA fabric：Polyamide fabric

S: Skived splice　F: Finger splice　L: Lacing splice　ST: Step splice

※ 1. Friction coefficient (for corrugated cardboard)　※ 2. Friction coefficient (for iron)　※ 3. Tension values are based on data after 200 hours of running.

SEB™ Belts for feeders (paper feed)

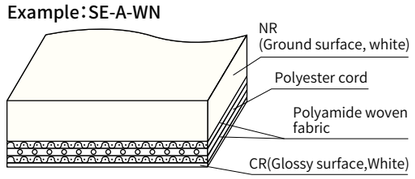
SEB (Super Endless Belt) is a seamless integrally molded endless belt that utilizes dimensionally stable polyester cords as its core material, with high rotational accuracy and durability. SEB series feeder belts are ideal for folder gluers' feeding sections paperboards are fed into. Since the rubber surface and core materials have no adhesive part, SEB is free of problems of peeling and produces constant feeding power. It has been proven to provide stable feeding power for long periods of time due to its high friction coefficient and moderate abrasion resistance.

Features

- Seamless integral molding provides high rotational accuracy and durability.
- High grip and feeding power due to a high friction coefficient.
- Ideal for appearance-oriented lines without staining the conveying objects.
- Moderate abrasiveness provides high conveying performance for long periods of time.

Main features by type	
NEW A-WN-F	The surface rubber meets the extraction limits specified by the FDA.
A-NR	Standard type focusing on durability.
A-WN	White standard type focusing on feeding power.
A-GN	Standard type focusing on feeding power.
A-FGN	Type with high planarity type focusing on feeding power.

Example：SE-A-WN

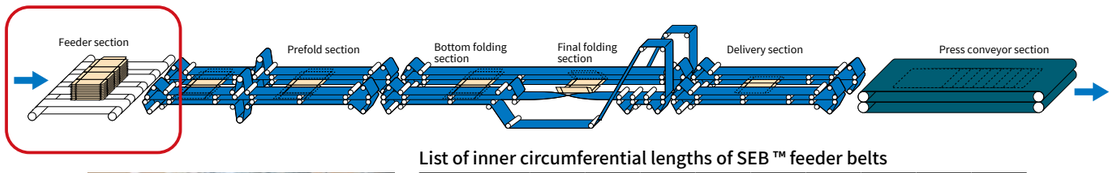


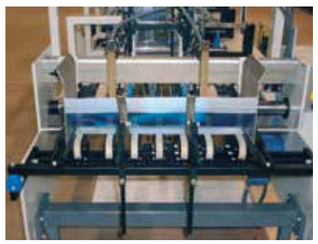
● List of types and features

Belt Type		NEW A-WN-F	A-NR	A-WN	A-GN	A-FGN
Antistatic		Yes	Yes	No	Yes	Yes
Available width (㎜)		7 ～ 400	7 ～ 400	7 ～ 400	7 ～ 400	7 ～ 400
Standard thickness (㎜)		3.0 ～ 8.0	3.0 ～ 8.0	3.0 ～ 8.0	3.0 ～ 8.0	6.0 ～ 8.0
Available thickness (㎜)		2 ～ 12	2 ～ 14	2 ～ 12	2 ～ 12	6 ～ 12
Rubber surface material		Special Rubber with FDA	Special rubber	Special rubber	Special rubber	Special rubber
Surface rubber hardness		45JIS.A	50JIS.A	35JIS.A	35JIS.A	35JIS.A
Surface rubber color		Gray	Blue	White	Green	Green
Surface shape		Ground surface	Ground surface	Ground surface	Ground surface	Ground surface
Pulley side surface shape		Glossy side	Glossy side	Glossy side	Glossy side	Glossy side
Mass (kg /㎡※)		8	10	10	10	10
Breaking strength (N/ ㎜ width)		58.8	58.8	58.8	58.8	58.8
Standard Elongation (%)		0.5	0.5	0.5	0.5	0.5
Tension at the standard elongation after relaxation (N/ ㎜ width)		3.75	3.75	3.75	3.75	3.75
Coefficient of Friction	Conveying surface (for corrugated cardboard)	1.5	1.5	2.0	2.0	2.0
	Pulley side surface (for SUS)	0.2 ～ 0.4	0.2 ～ 0.4	0.2 ～ 0.4	0.2 ～ 0.4	0.2 ～ 0.4
Minimum Pulley Diameter(㎜)		ϕ80	ϕ80	ϕ80	ϕ80	ϕ80
Temperature Range (℃)		-20 ～ +60	-20 ～ +60	-20 ～ +60	-20 ～ +60	-20 ～ +60

※ In the case of belt thickness 8mm.

Application example Folder gluer Feeder section





List of inner circumferential lengths of SEB ™ feeder belts

800 ㎜～	800	815	830	850	857	876			
900 ㎜～	900	908	913	935	950	960	973	980	
1000 ㎜～	1000	1008	1016	1021	1023	1026	1041	1050	1060
	1066	1067	1071	4073	1080	1093			
1100 ㎜～	1100	1115	1135	1142	1145	1165	1175	1190	
1200 ㎜～	1200	1207	1230	1234	1250	1261	1270		
1300 ㎜～	1300	1308	1338	1350	1396				
1400 ㎜～	1415	1430	1450	1479					
1500 ㎜～	1500	1535	1550	1590					
1600 ㎜～	1600	1620	1645	1653	1660				
1700 ㎜～	1700	1708							
1800 ㎜～	1800	1835	1850	1890					
1900 ㎜～	1965	1970							

400 to 800 mm lengths are also available. For sizes not listed above, please contact us.

PolySprint™ Endless splicing tool — *PolySprint*™

Fixing an unexpectedly broken belt is simple.
No need to disassemble the machine or worry about a long downtime.

●Finger Puncher : Tool to make finger splices.

Type	Appearance	Features	Max Belt width (㎜)	Maximum processing thickness (㎜)	Size (㎜) Width	Length	Height	Wt. (kg)	Finger Length× Pitch
FP30-10-50N		Accurate finger splices can be easily performed with the single action punching system.	50	2.0	135	400	390	3.4	30×10
FP120-10-50		Punches are made in the width direction by pitch feeding for accurate finger splices.	50	6.0	180	600	250	9.0	120×10
FP120-10-100		Punches are made in the width direction by pitch feeding for accurate finger splices.	100	6.0	230	610	250	10.5	120×10

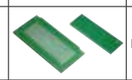
●Heat(heating)Press : A press tool to join belts by heating and pressurizing for a specific time. No adhesives are required.

Type	Appearance	Features	Marking	Max Belt width (㎜)	Maximum processing thickness (㎜)	Size (㎜) Width	Length	Height	Wt. (kg)	Finger Length ×Pitch	Power	Temp (℃)
NPS-3050 H1		A heat press tool to make finger splices. Accurate construction is possibly by setting the temperature.	PSE CE	50	2.0	84	250	100	1.5	30× 10	100V	～ 200
NPS-3050 H2											200V	
NPS-1210-1		A heat press tool to make finger splices. This single fully automatic machine heats and cools.	PSE CE	100	6.0	230	320	180	9.5	120× 10	100V	～ 200
NPS-1210-2											200V	

●Cooling Press : A tool to cool splices after heating and pressurizing. No power is required.

Type	Appearance	Features	Max Belt width (㎜)	Maximum processing thickness (㎜)	Size (㎜) Width	Length	Height	Wt. (kg)	Finger Length× Pitch
NPS-3050C		A cooling press tool for finger splices.	50	2.0	80	224	92	0.6	30×10
NPS-0310C		A cooling press tool for finger splices.	100	2.0	102	311	102	2.4	30×10

●Other necessary tools

Type	Appearance	Features
Presetter		A jig to temporarily hold the belts staight in place when pressing. Presetters are available in widths that match press type and belt width.
EB Presetter		Presetter has "extended base" design to help with keeping splice area centered.
Clamps (2 Pieces)		Clamps to hold the presetter.

Nitta PolyBelt™ Endless splicing tool — Nitta PolyBelt™

Highly reliable tools exclusively designed for our popular Nitta PolyBelt™.

●Poly Skiver : A tool to make skived splices.

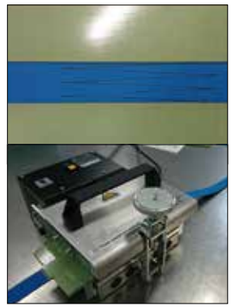
Type	Appearance	Features	Max Belt width (㎜)	Maximum processing thickness (㎜)	Size (㎜) Width	Length	Height	Wt. (kg)	Power
PS153		We manufacture skived splices with high reliability and abundant use experience.	150	3.0	400	380	435	33.0	100V or 200V

●Poly Press : A heat press tool for skived splices.

Type	Appearance	Features	Marking	Max Belt width (㎜)	Maximum processing thickness (㎜)	Size (㎜) Width	Length	Height	Wt. (kg)	Power	Temp (℃)
PP051		A press tool for skived splices. Light, easy to use and popular.	PSE	50	2.5	112	160	90	1.3	100V or 200V	110
PP103		A press tool for skived splices with high reliability and abundant use experience.	PSE	100	5.0	140	295	150	3.1	100V or 200V	

Endless belts easy to set up in a short time (no experience required).

Finger splice (no adhesive required).



Video demonstrating how to use PolySprint tool

CBX-7S
NRT-100
RT-300
NRT-500
NEW XH-500-3
XH-500-3
XH-500-4
XH-500-6
NEW RT-22E70
NEW XHTG-15
XH-8E-40
SE-A-NR
NEW SE-A-WN
SE-A-GN
MGRB-14A
VMT-20A
BC-20A