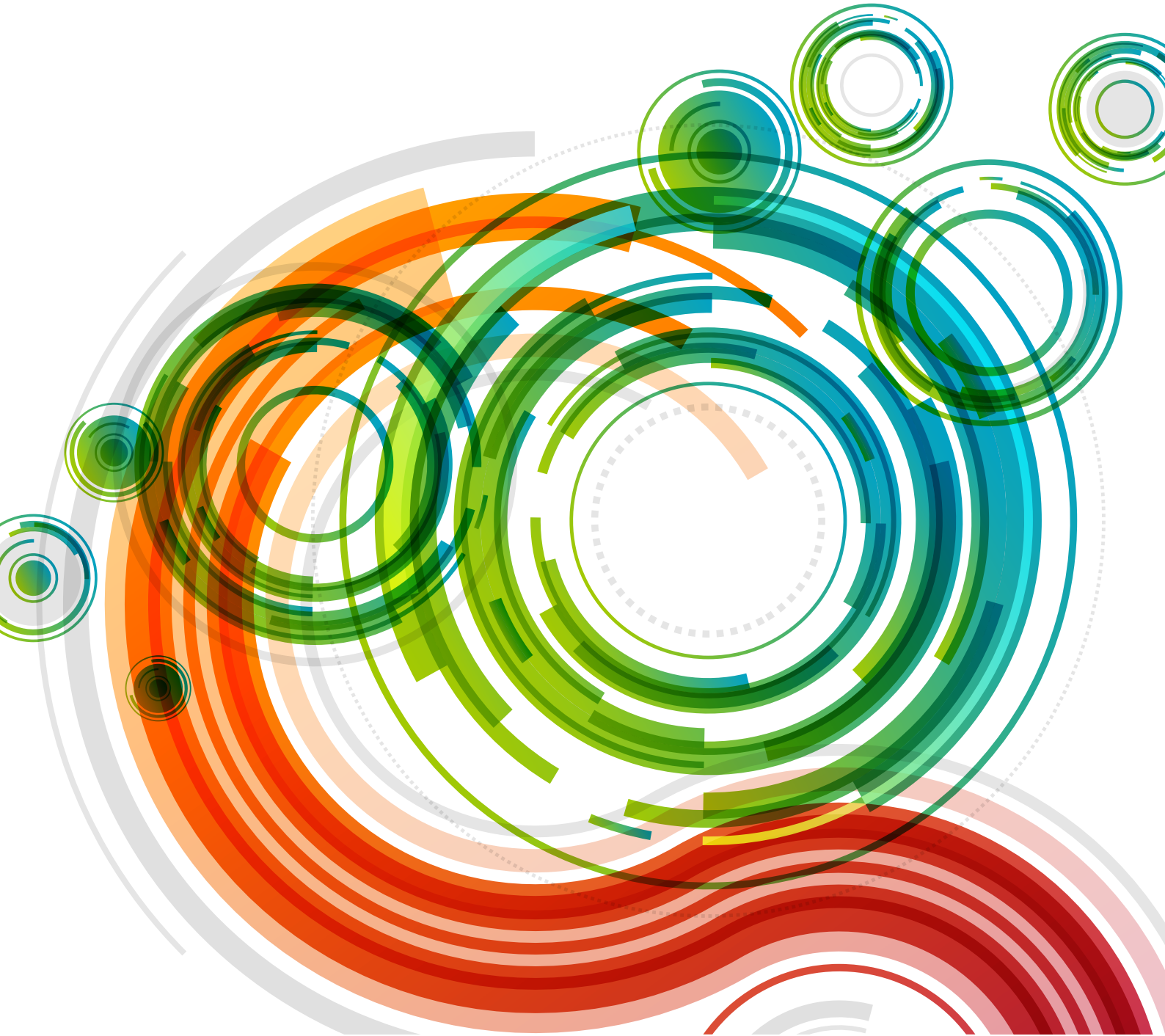




Invention & Innovation
NITTA

B-PA-05E

Belts for
**Printing and
Bookbinding industry**



NITTA CORPORATION

The NITTA Advantage-Innovative Products and Solutions



Wide Variety

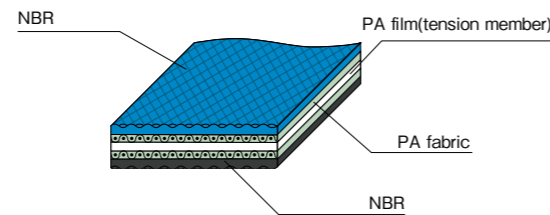
Long Life

Abrasion Resistance

High Flexibility

Anti-Static

PolyBelt™



Standard Elongation ... 1%

Type Code

SG - **500**
L - **350**

[PA Film Thickness (mm)×1000]
 500 ... 0.5 mmT×1000
 350 ... 0.35 mmT×1000

[Surface material]
 SG ... Slight green coated fabric
 L ... Light
 M ... Middle
 H ... Heavy

Super-strong polyamide core, extended-life skived joining, high operating duty cycles

High Strength, Long Life

High flexibility and rugged design for heavy-duty applications. Polyamide core accommodates shock loads, and wide choice of covers provide abrasion resistance, giving long, dependable service.

Electrically Conductive

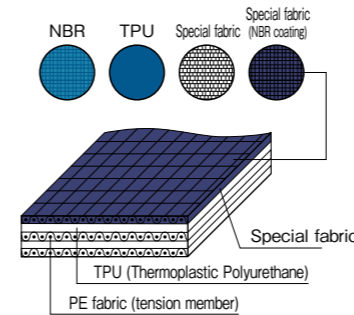
Materials with anti-static properties are used in specific layers to provide permanent conductivity, eliminating build-up of electro-static charges.

Environmental Resistance

Selected materials are not susceptible to oil contamination. They demonstrate high energy efficiency and maintain high friction resistance. Covers and polyamide core are designed for printing and paper processing with high tear resistance in folder, sheeter and finishing line paper jams.

PolySprint™

● PE fabric tension member type



Standard Elongation ... 1%

Type Code

LA - **4E** **14**
FZ - **5E** **12**

[Belt Thickness (mm)×10]
 [Belt Tension (N/mm)]
 (1% Elongation at 200hrs running)

[Surface material]
 LA ... Blue NBR on both surfaces
 FZ ... Special Fabric+NBR on bottom side

Finger-spliceable, easy installation, quick-melt urethane, high-strength polyester core

Ease of Joining

A single action Nitta cutter eliminates the tedious task of multiple cuts that can lead to mismatched and non-aligned joints. Finger-splice joints are completed without adhesive. Nitta presetter guiderails assure alignment.

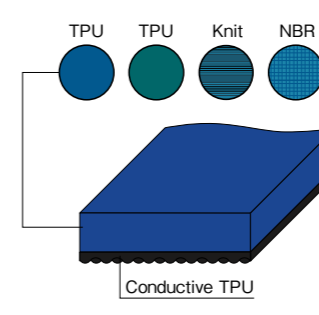
Dimensional Stability

Polyester fabric used as tension member provides high dimensional stability. Selected materials are temperature and humidity tolerant.

Abrasion Resistance

High temperature friction resistant covers and fabric exclusively designed for printing and paper.

● Elastic Type



Standard Elongation ... 5%

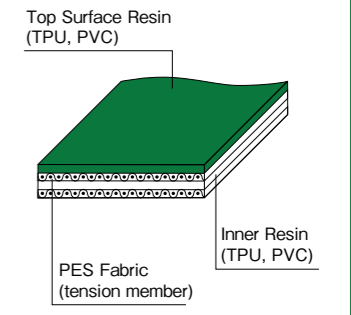
Type Code

TA **09**
GTD

[Belt Thickness (mm)×10]

[Surface material]
 TA ... Blue TPU
 GTD ... Dark blue NBR+TPU

NLG™



Standard Elongation ... 0.5%

(Depending on type)

Type Code

GUTW - **12** **A**
GU - **12** **A**

[Belt Construction]
 A ... Resin/Fabric
 D ... Fabric/Fabric

[Strength (N/mm)÷10]

[Surface material]
 GUTW ... Green TPU+TW pattern
 GU ... Green TPU

Hundreds of configurations, wide variety of surfaces

Extensive Selection

Nitta NLG (New Light Grip) and other product categories offer many possible options.

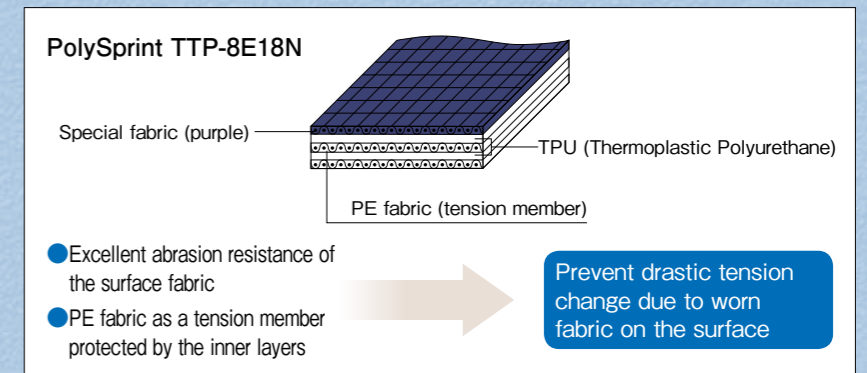
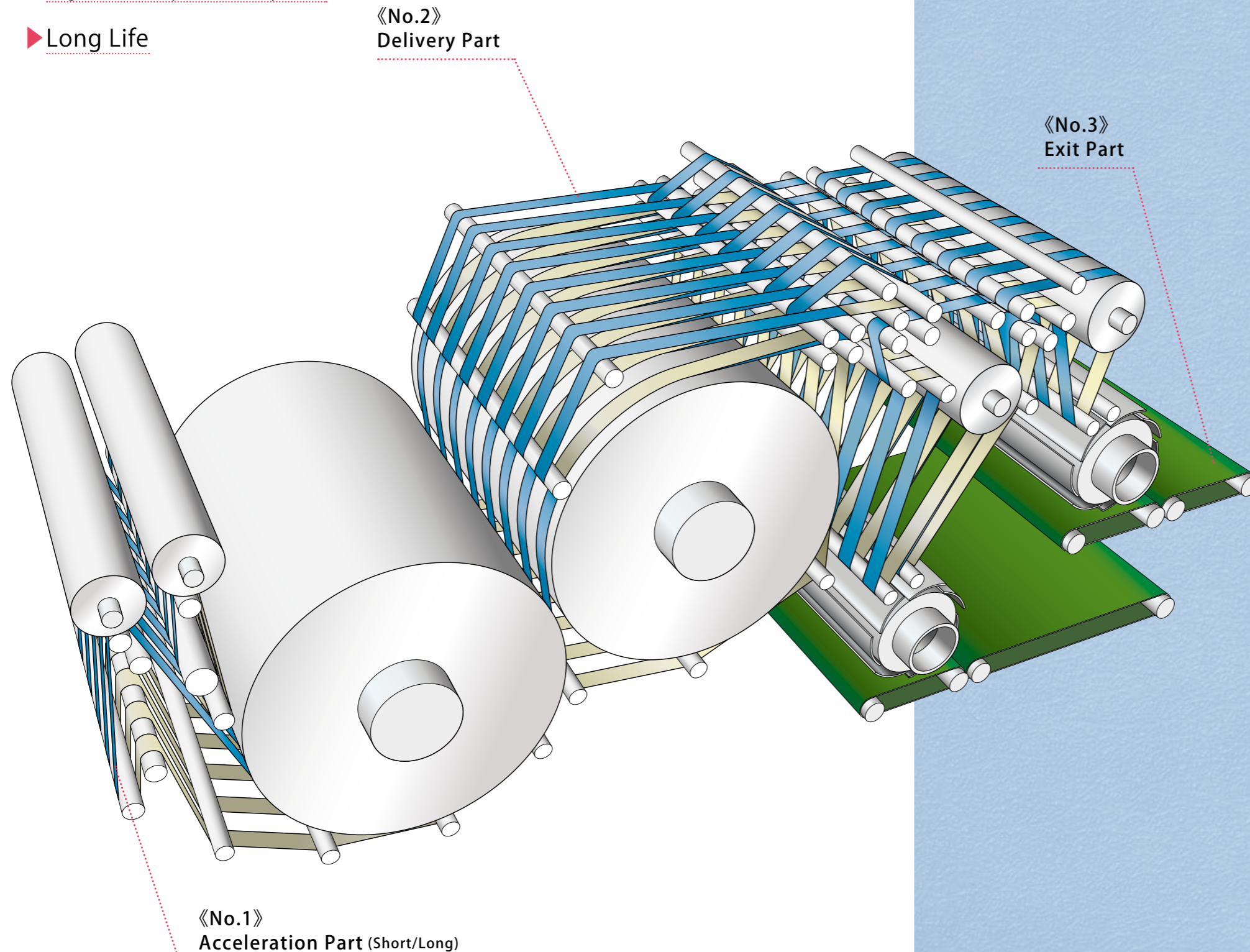
Many Applications

Light-/medium-duty use throughout pressrooms and binderies.

Belts for Printing

【Features】

- ▶ Abrasion Resistance
- ▶ High Accuracy in Conveyance
- ▶ Long Life



Gravure Rotary Press

No.	Part	Recommended belt type		Features
		Products	Type	
1	Acceleration Part (Short/Long)	PolySprint	TTP-8E18N	Durability of splicing point, abrasion resistance
2	Delivery Part (after folding part)	PolySprint	TTP-8E18N	Durability of splicing point, abrasion resistance
3	Exit Part	NLG	GUSRB-14ANL GUTW-12A etc.	Strong grip due to coefficient of friction, general use

Offset Sheet Fed Press

Part	Recommended belt type		Features
	Products	Type	
Sheet Feeder	PolySprint	FZ-5E12 TTZ-4E10LF TTF-4E10 etc.	Abrasion resistance, stable coefficient of friction
	PolyBelt	TPS-3SN SG types	

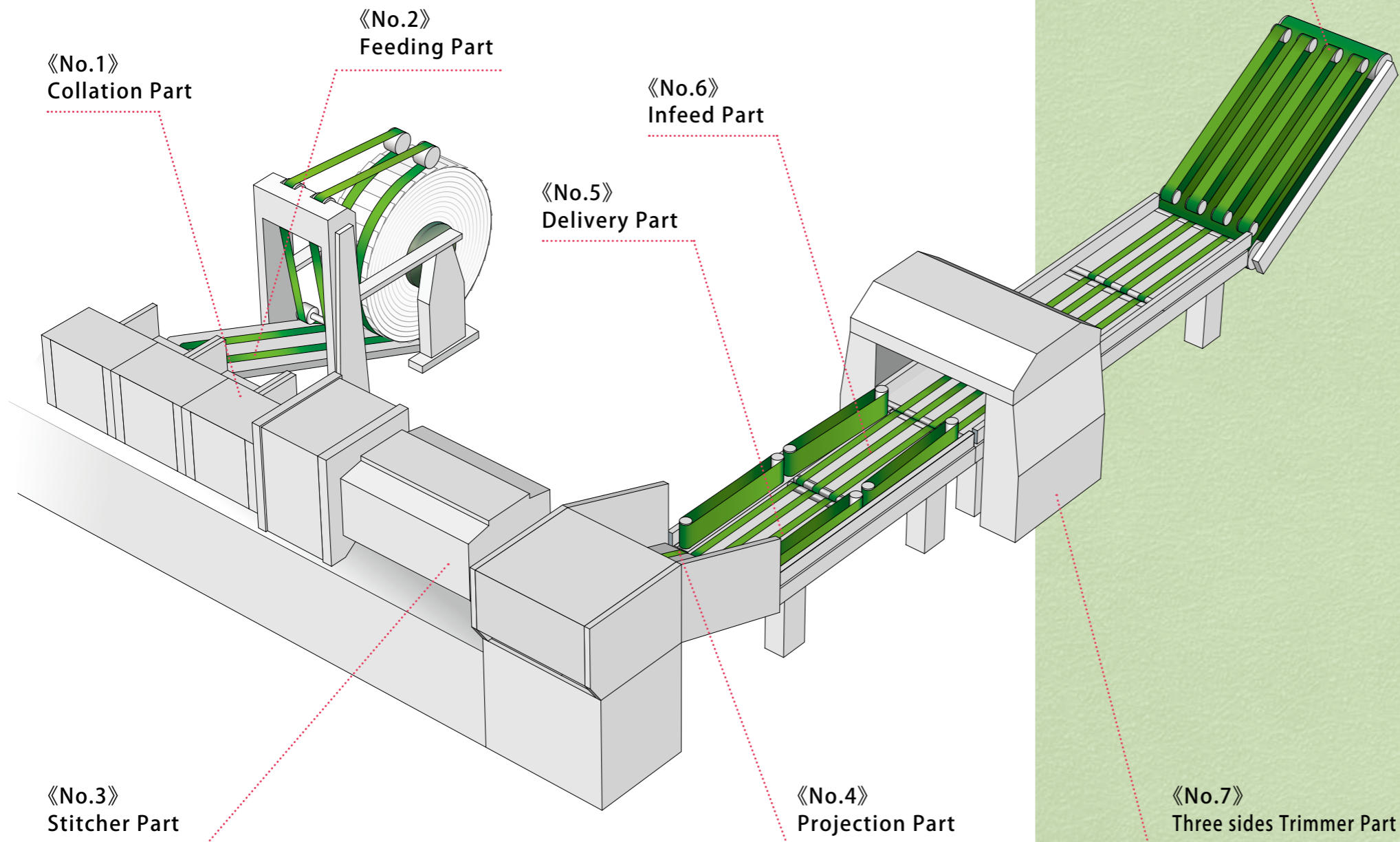
Offset Web Press

Part	Recommended belt type		Features
	Products	Type	
Folder	PolySprint	TTZ-4E10LF etc.	Moderate slip, abrasion resistance, flange resistance
	PolyBelt	TPS-3SN SG types L types	
Chopper	PolySprint	FZ-5E12 TTZ-4E10LF	Moderate slip, abrasion resistance, flange resistance, high tension
	PolyBelt	SG types	
Exit, stacker	NLG	GUSRB-14ANL GUTW-12A etc.	Strong grip

Belts for Bookbinding

【 Features 】

- ▶ Friction Coefficient
Suitable for Conveying Paper **Suitable for Conveying Paper---Stable conveyance, abrasion resistance.**
- ▶ Soft Fabric on the Surface
Avoids Damage to paper **Intermittent running, Stopper part. Minimizes wet ink transfer.**
- ▶ Finger Splicing **Easy splicing process. Change belts out quickly, no adhesive and no experience required. Outstandingly smooth surface of splice does not catch paper.**
- ▶ Dimensional Stability
(Polyester Fabric Member) **Tension less affected by temperature changes, High accuracy in conveying and reducing trial running.**



Inside-Binding Bookbinder

No.	Part	Recommended belt type		Features
		Products	Type	
1	Collation Part	PolySprint	LA-4E14 FZ-5E12	High flexibility
2	Feeding Part	PolySprint	FZ-5E12	Strong grip due to coefficient of friction
		NLG	GUSRB-14ANL etc.	
3	Stitcher Part	—	—	—
4	Projection Part	PolySprint	FZ-5E12 TTZ-4E10LF	Strong grip, abrasion resistance
5	Delivery Part	PolySprint	FZ-5E12 TTZ-4E10LF	Stable coefficient of friction, flange resistance
6	Infeed Part	PolySprint	FZ-5E12 TTZ-4E10LF	Stable coefficient of friction, twist resistance
7	Three sides Trimmer Part	PolySprint	FZ-5E12 TTF-4E10 TTZ-4E10LF	Soft Surface, high flexibility
8	Stacker Part	PolySprint	FZ-5E12 TTZ-4E10LF	Stable coefficient of friction, flange resistance

Collator

Part	Recommended belt type		Features
	Products	Type	
Vertical Conveyance	PolySprint	LA-4E14 SLA-8E14	Stable coefficient of friction
Exit	PolySprint	TA09 TA12 HTA09 GTD NTD etc.	Elastic type, stable tension

Folding machine

Part	Recommended belt type		Features
	Products	Type	
Feeding	PolySprint	LA-4E14 SLA-8E14 FZ-5E12 TTZ-4E10LF	Stable coefficient of friction
	PolyBelt	L types	
Folding	PolySprint	FZ-5E12 TTZ-4E10LF etc.	Moderate slip, abrasion resistance, flange resistance
	PolyBelt	SG types	

PolySprint™

Quick and Easy Splicing (No Experience Required)
Finger Splicing (No Adhesive Needed)

Nitta's PolySprint tools make it quick and easy to replace broken belts with minimal downtime. Our presses are designed with small profiles to fit into tight spaces, so there is no need to disassemble the machine.



▼ Finger Puncher

Item No.	Type	Appearance	Features	Max. Belt Width (mm)	Max. Belt Thickness (mm)	Size			Wt. (kg)	Finger Length × Pitch (mm)
						W (mm)	L (mm)	H (mm)		
1	FP30-10-50N		Single action punching system	50	2.0	135	400	390	3.4	30×10
	FP30-10-100		Single action punching system	100	2.0	200	500	504	7.0	30×10
2	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
3	FP120-10-50	120×10								
4	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
5	FP120-10-100	120×10								

▼ Heating Press

Item No.	Type	Appearance	Features	Max. Belt Width (mm)	Max. Belt Thickness (mm)	Size			Wt. (kg)	Finger Length × Pitch (mm)	Power	Temp. (°C)
						W (mm)	L (mm)	H (mm)				
6	NPS-3050 H1		Heat press for Finger Splicing, Heat press with digital temperature readout	50	2.0	84	250	100	1.5	30×10	100V	~200
	NPS-3050 H2										200V	
	NPS-0310 H1		Heat press for Finger Splicing, Heat press with digital temperature readout	100	2.0	107	365	112	4.1	30×10	100V	~200
	NPS-0310 H2										200V	
7	NPS-1210-1		Automated heating and cooling press	100	6.0	230	320	180	9.5	70×10	100V	~200
	NPS-1210-2									120×10		

▼ Cooling Press

Item No.	Type	Appearance	Features	Max. Belt Width (mm)	Max. Belt Thickness (mm)	Size			Wt. (kg)	Finger Length × Pitch (mm)
						W (mm)	L (mm)	H (mm)		
8	NPS-3050C		Cooling press for Finger Splicing no power required.	50	2.0	80	224	92	0.6	30×10
	NPS-0310C		Cooling press for Finger Splicing no power required.	100	2.0	102	311	102	2.4	30×10

▼ Accessories

Item No.	Type	Appearance	Features
9	Presetter		Guide rails to hold joint straight when pressing
10	Clamp (2 Pieces)		Clamps for holding presetter together when pressing (Press 6 & 8)
11	PolySprint Toolkit Complete 30mm Finger Joining Kit		FP30-10-50N, NPS3050H, NPS3050C, Presetter, Clamps and Case

PolyBelt™

▼ Poly Skiver

Item No.	Type	Appearance	Features	Max. Belt Width (mm)	Max. Belt Thickness (mm)	Size			Wt. (kg)	Power
						W (mm)	L (mm)	H (mm)		
12	PS153		PolyBelt skiver for making a skived splicing. Highly reliable and widely accepted	150	3.0	400	380	435	33	100V or 200V

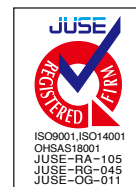
▼ Poly Press

Item No.	Type	Appearance	Features	Max. Belt Width (mm)	Max. Belt Thickness (mm)	Size			Wt. (kg)	Power	Temp. (°C)
						W (mm)	L (mm)	H (mm)			
13	PP051 (PI-50)		PolyBelt press for skiver splicing Lightweight, easy to use and widely accepted	50	2.5	112	160	90	1.3	100V or 200V	110
	PP103									100V or 200V	

*PolyBelt splicing tools require the correct type of chemical adhesive (polybond) for the belt being made endless.

NITTA CORPORATION

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



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
Phone:+86-21-6229-6000 Fax:+86-21-6229-9606
<http://www.nitta-cn.com>

NITTA CORPORATION INDIA PVT LTD

Gat No.186, Village Fulgaon, Taluka Haveli,Pune, Maharashtra 412216, INDIA
Phone:+91-20-6731-3400 Fax:+91-20-6731-3401

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>

NITTA INDUSTRIES EUROPE GmbH

Hansaallee 201,40549 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>
<Thai Liaison Office>Phone:+66-2797-0723
<Indonesia Liaison Office>Phone:+62-22-421-3146

TAIWAN NITTA FILTER CO.,LTD.

Headquarters: Chia Hsin Building 10FL Room No. 1005, 96 Chung Shan North Road Section 2, Taipei, Taiwan, R.O.C.
Phone:+886-2-2581-6296 Fax:+886-3-469-0260
<http://www.nitta.com.tw>

NITTA BRASIL

Rua Francisco Mommenshon,50B,Galpão 02
Laranjeiras,Caieiras,São Paulo,Brazil
Phone/Fax:+55-11-4441-2922