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

KOREA NITTA MOORE CORP.
377, Sanho-daero, Gumi-City, Gyeong-Buk, 39263, Korea
Phone:+82-54-461-5575 Fax:+82-54-461-5350
http://www.nitta.co.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:+886-2-2563-4900
http://www.nitta.com.tw

NITTA INDUSTRIES EUROPE GmbH
Heerdter Lohweg 35, 40549 Dusseldorf,Germany
Phone:+49-211-537535-000 Fax:+49-211-537535-001
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,07743-150, Brazil
Phone/Fax:+55-11-4441-2922
http://www.nitta.com.br

NITTA CORPORATION OF CANADA INC.
405 Industrial Drive Unit 1-8, Milton, Ontario Canada L9T 5B1
Phone:+1-905-878-5552 FAX:+1-905-878-0344
https://www.nittacorp.ca

B-TI-10E 2511PDFU

Invention & Innovation
NITTA

Belts for
Textile Industries

NITTA CORPORATION

Product Specifications

PolyBelt™ *PolySprint* ™ SEB™ Conveyor Belt

※All belt types listed below have antistatic properties except for KSG-250

Category	Belt Type	Thickness (mm)	Surface (Top/Bottom) ＊1	Color (Top/Bottom)	Tension Member ＊2	Minimum Pulley Diameter (mm)	Tensile Force for Standard Elongation (N/mm) ＊3	Standard Elongation (%)	Recommended Elongation Range (%)	Temperature Range (℃)	Maximum Length (m)		Card	Draw Frame	Ring Spinning	OE Spinning	Winding	TFO	DTY	Covering	Cleaner	Circular Knitting	Conveyor	Features	Skiver Splice	Finger Splice	Belt Type	Category
PolyBelt™	**TFL-7S**	2.4	NBR/NBR	Dark Blue/Gray	PA	75	15.0	2	1～3	-20～+80	105			●				●		●	●			Low Noise, Excellent Durability	●		**TFL-7S**	PolyBelt™
	TLR-9S	2.45	NBR/NBR	Red/Gray	PA	90	17.0	2	1～3	-20～+80	105				●	●		●		●					●		**TLR-9S**	
	TLR-10SA	2.55	NBR/NBR	Red/Black	PA	100	19.5	2	1～3	-20～+80	216				●	●		●							●		**TLR-10SA**	
	TFL-10S	2.6	NBR/NBR	Dark Blue/Gray	PA	100	19.5	2	1～3	-20～+80	210		●	●		●		●		●					●		**TFL-10S**	
	TFL-12S	2.85	NBR/NBR	Dark Blue/Gray	PA	125	24.5	2	1～3	-20～+80	105		●			●		●	●						●		**TFL-12S**	
	TFL-15S	3.1	NBR/NBR	Dark Blue/Gray	PA	150	30.0	2	1～3	-20～+80	105				●	●		●	●						●		**TFL-15S**	
	TFL-18S	3.35	NBR/NBR	Dark Blue/Gray	PA	175	34.0	2	1～3	-20～+80	105				●				●						●		**TFL-18S**	
	TFM-15S	3.7	NBR/NBR	Dark Blue/Gray	PA	150	30.0	2	1～3	-20～+80	105				●				●						●		**TFM-15S**	
	L-500	1.55	NBR/NBR	Blue/Black	PA	50	7.5	2	1～3	-20～+80	105		●		●									Stable Coefficient of Friction, Abrasion Resistance, Excellent Durability	●		**L-500**	
	LA-750S	2.25	NBR/NBR	Blue/Blue	PA	75	15.0	2	1～3	-20～+80	105									●	●				●		**LA-750S**	
	L-1000S	2.45	NBR/NBR	Blue/Black	PA	100	19.5	2	1～3	-20～+80	105		●			●		●		●					●		**L-1000S**	
	M-1000S	3.0	NBR/NBR	Blue/Black	PA	100	19.5	2	1～3	-20～+80	105				●				●						●		**M-1000S**	
	MA-1500S	3.5	NBR/NBR	Blue/Blue	PA	150	30.0	2	1～3	-20～+80	105							●	●						●		**MA-1500S**	
	M-1000GS	2.6	NBR/NBR	Blue/Black	PA	100	19.5	2	1～3	-20～+80	210					●									●		**M-1000GS**	
	MB-1000GSR	2.6	NBR/NBR	Black/Black	PA	100	19.5	2	1～3	-20～+80	210					●									●		**MB-1000GSR**	
	IRS-6S	1.35	NBR/NBR	Green/Black	PA	60	11.5	2	1～3	-20～+80	105										●			Specially Developed for Pneumatic Cleaner	●		**IRS-6S**	
	IR-500	1.5	NBR/NBR	Green/Green	PA	40	3.8	1	1～3	-20～+80	105											●		For Circular Machine, High Friction	●		**IR-500**	
	KSG-250	0.85	NBR/PA	Green/White	PA	20	3.0	2	1～3	-20～+80	105				●									Spindle Tape	●		**KSG-250**	
PolySprint ™	**TFL-15E20**	2.0	NBR/NBR	Dark Blue/Black	PEs	25	15.0	1	0.5～2	0～+60	200		●	●	●									Less Power Consumption Easy to Make Endless, Low Noise, Shorter Take-up Higher Antistatic ＊4		●	**TFL-15E20**	*PolySprint* ™
	TFL-15E25	2.5	NBR/NBR	Dark Blue/Black	PEs	30	15.0	1	0.5～2	0～+60	200					●		●							●		**TFL-15E25**	
	TFL-22E26-2	2.6	NBR/NBR	Dark Blue/Black	PEs	50	22.0	1	0.5～2	0～+60	200				●	●		●							●		**TFL-22E26-2**	
	NEW **TFLBK-15E20**	2.0	NBR/NBR	Black/Black	PEs	25	15.0	1	0.5～2	0～+60	200		●	●	●										●		NEW **TFLBK-15E20**	
	TFLBK-22E26-2	2.6	NBR/NBR	Black/Black	PEs	50	22.0	1	0.5～2	0～+60	200				●	●		●							●		**TFLBK-22E26-2**	
	TL-22E30	3.0	NBR/NBR	Dark Blue/Black	PEs	50	22.0	1	0.5～2	0～+60	100							●	●						●		**TL-22E30**	
	TLA-30E30-2	3.0	NBR/NBR	Dark Blue/Dark Blue	PEs	70	30.0	1	0.5～2	0～+60	100							●	●	●					●		**TLA-30E30-2**	
	TA11-TF	1.1	TPU/TPU	Blue/Black	–	25	0.5	5	3～8	-20～+60	100		●											Elastic Type		●	**TA11-TF**	
SEB™	**SE-A-PB**	1.2	NBR/NBR	Black/Black	PEs	15	7.4	1	0.5～1	-20～+80	4.525*5			●			●							High Stiffness, Seamless	–	–	**SE-A-PB**	SEB™
	SE-B-PB	1.4	NBR/NBR	Black/Black	PEs	25	14.7	1	0.5～1	-20～+80	4.525*5			●					●						–	–	**SE-B-PB**	
	SE-D-PB	1.7	NBR/NBR	Black/Black	PEs	35	29.4	1	0.5～1	-20～+80	4.525*5			●					●						–	–	**SE-D-PB**	
	NEW **SE-B-PSS-G**	2.0	NBR/NBR	Blue/Blue	PEs	25	14.7	1	0.5～1	-20～+80	4.525*5			●					●						–	–	NEW **SE-B-PSS-G**	
	NEW **SE-D-PSS-G**	2.3	NBR/NBR	Blue/Blue	PEs	35	29.4	1	0.5～1	-20～+80	4.530*5			●					●						–	–	NEW **SE-D-PSS-G**	
Conveyor Belt	**3 XR 905 / 905 LSQ**	4.5	PVC/PVC	Black/Black	PEs	150	10.0	0.5	0.5～1	-10～+80	100												●	High Stiffness	●	●	**3 XR 905 / 905 LSQ**	Conveyor Belt

＊1 Depending on the application, top and bottom covers can be reversed.
＊2 PEs：Polyester PA：Polyamide AR：Aramid
＊3 Tensile Force is measured after running 200 hours in internal test.
＊4 These are features of TFLBK-15E20 and TFLBK-22E26-2.
＊5 SEB length depends on the mold.

The NITTA Advantage - Innovative Products and Solutions

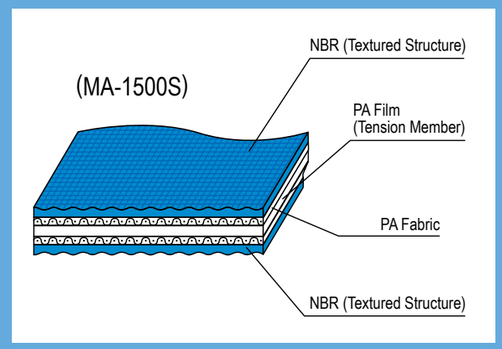
PolyBelt ™

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.
  Selected materials are not susceptible to oil contamination.

- **Environmental Resistance**
  Selected materials are not susceptible to oil contamination.



Nomenclature **MA−1500 S**

【Surface】
L : Light
M : Medium
H : Heavy

A : Blue NBR on Both Surfaces
B : Black NBR on Both Surfaces

S : Super Strength
G : Ground Surface
PA Film Thickness in mm×1000
(1.5×1000=1500)

TFL−10 S

【Surface】
T : Tangential
F : Taffeta
L : Light
M : Medium

PA Film Thickness in mm×10
(1.0×10=10)

S : Super Strength

PolySprint ™

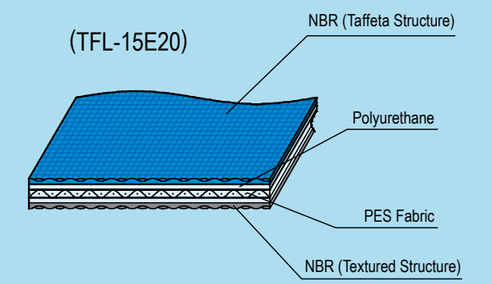
Finger-spliceable, easy installation, high-strength polyester core

- **Less Power Consumption**
  PolySprint's flexibility enables machines to run more efficiently, reducing power consumption.

- **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.

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

- **Abrasion Resistance**
  Friction resistant covers and fabric are exclusively designed for textile machinery.



Nomenclature **TFL−15E 20**

【Surface】
T : Tangential
F : Taffeta
L : Light
M : Medium

Belt Tension in N/mm
(1% Elongation at 200 hrs. running)

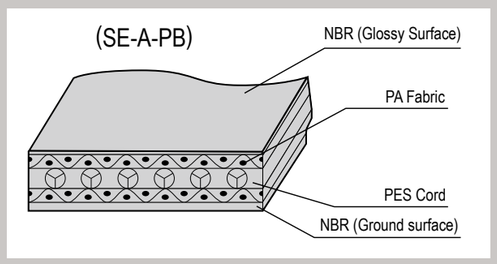
Belt Thickness in mm×10

SEB™(Super Endless Belt)

- **Seamless**
  Splice free belts made by molded forming with excellent dimensional stability.

- **Excellent flexibility, bending resistance and abrasion resistance**
  Excellent flexibility, long flex life and abrasion resistance can be expected even with power transmission and carrying equipment using very small pulleys.

- **High rotation accuracy**
  High rotation accuracy is available as pitch line is stable.



Nomenclature **SE − A − P B**

Series Name

Cord type A : Tension at 1% elongation 14.7(N/mm)

Surface shape : Plane Surface

Surface material : Black NBR

Splicing Tools (*PolySprint*™・PolyBelt™)

Splicing Tools for PolySprint™

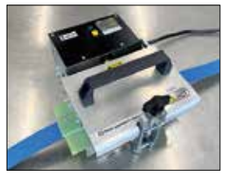
PolySprint™

Quick and Easy Endless (No Experience Required)

Finger Joint (No Adhesive Needed)

PolySprint tools make replacing broken belts quick and easy, with minimal disassembly of the machine.





● Finger Puncher

Type	Appearance	Features	Max. Width (mm)	Max. Thick. (mm)	Size (mm) Width	Length	Height	Wt. (kg)	Finger Length × Pitch
FP120-10-50		Precise indexing system	50	6.0	180	600	250	9.0	120×10
FP120-10-100		Precise indexing system	100	6.0	230	610	250	10.5	120×10

● Heating and Cooling Press

Type	Appearance	Features	Marking	Max. Width (mm)	Max. Thick. (mm)	Size (mm) Width	Length	Height	Wt. (kg)	Finger Length × Pitch	Power	Temp. (℃)
NPS-1210A-1		Automated heating and cooling press	PSE	100	7.0	230	320	180	9.2	120×10	100V	~200
NPS-1210A-2			CE								200V	
NPS-1205H1		Quick finishing just in 10 minutes.	PSE	50	6.0	Press Body 165	320	115	3.6	70x10 120x10	100V	~210
NPS-1205H2			CE			Controller 90	225	45			200V	
NPS-1205C			–			165	295	110	1.22		–	–

● Other Tools

Type	Appearance	Features
Presetter		Guide rails to hold joint straight when pressing
Clamp (2 Pieces)		Clamps for holding presetter together when pressing

Splicing Tools for PolyBelt™

PolyBelt™

Nitta provides well-made, reliable tools for effective and efficient fabrication of our belts.

● Poly Skiver

Type	Appearance	Features	Max. Width (mm)	Max. Thick. (mm)	Size (mm) Width	Length	Height	Wt. (kg)	Power
PS153		PolyBelt skiver for making skived ends. Highly reliable and widely accepted.	150	3.0	400	380	435	33.0	100V or 200V

● Poly Press

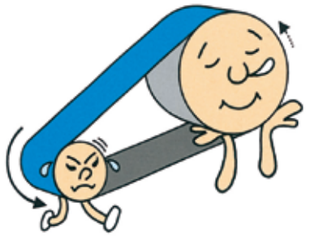
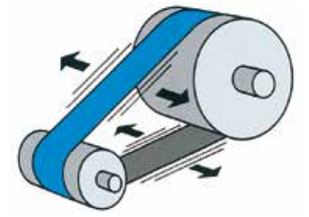
Type	Appearance	Features	Marking	Max. Width (mm)	Max. Thick. (mm)	Size (mm) Width	Length	Height	Wt. (kg)	Power	Temp. (℃)
PI-50		PolyBelt press for skived joining. Lightweight, easy to use and well-regarded in the industry.	PSE	50	2.5	112	160	90	1.3	100V or 200V	110
PP103		PolyBelt press for skived joining. Reliable, easy to use and well-regarded in the industry.	PSE	100	5.0	140	295	150	3.1	100V or 200V	

Sonic Belt Tension Meter U-550

Gates Unitta Asia

Measurement of tension has depended greatly on the measurer's instinct, sometimes with very subjective results. Now, the sonic belt tension meter allows anyone to measure tension easily and correctly. Acoustic waves (natural frequency) generated by a belt are captured by the meter's sensor, and a digital processor uses the reading to calculate tension to a high degree of accuracy. The precise results are displayed on-screen.

TROUBLESHOOTING & SOLUTIONS

Issue	Cause	Solution
On all spindles, the required revolution is not obtained. 	Belt slippage occurring on the motor drive pulley.	The belt tension should be increased.
	Oil adhering to the belt.	Wipe away the oil which has adhered to the belt surface.
		Replace the belt with a new one if it is not possible to clean it.
	The diameter of some pulleys is not correct.	Replace the pulley with one suitable for the spindle revolution required.
	Belt slippage occurring on motor-drive belt or the belt driving the tangential-drive pulley.	Increase belt tension.
		Wipe away the oil which has adhered to the belt surface.
	Yarn's "Balloon-load" exceeds the transmitted power of the belt.(In this situation, the belt slips on the drive pulley or spindle wharves.)	Check the belt tension and or the intruding depth of the contact pulley.
On the slack side, the required revolution is not obtained.	The pressure load of the belt against the spindle wharves on the slack side is insufficient.	Increase the belt tension.
		Adjust the intruding depth of the contact pulley (thus increasing the spring force).
	Yarn particles are wound up in the spindle wharves and as a result, the spindle load is increased.	Remove the yarn particles.
	Something is wrong with the bearing rotation.	Replace the bearing or the spindle with a new one.
Incessant noise.	Some foreign materials have adhered to the belt surface.	Wipe away the foreign materials.
		Grind the belt surface lightly with fine sand paper.
	Some foreign materials have adhered to the spindle wharves.	Wipe away the foreign materials.
Intermittent noise.	The spliced section of the belt is beginning to tear.	Rejoin the spliced section.
		Immediately replace the belt with a new one if too much damage has occurred.
	A section of the belt surface is deformed.	Check the cause. Take appropriate corrective action if such deformation is caused by abnormal abrasion of the belt.
		Replace the spindle or the belt if the belt is unusually heated due to an issue with spindle revolution and is burned at the time of belt stoppage.
Noise at certain places(such as at spindles).	Something is wrong with the bearing rotation.	Replace the bearing.
	Belts are bumping or rubbing somewhere.	Adjust the belt tracking.
Belt tends to deviate in either upper or lower direction from the proper tracking position.	Something is wrong with the belt tracking.	Adjust the belt tracking by adjusting contact pulleys or guide pulleys.
Belt tends to run zigzag against the pulley axis. 	Something is wrong with the belt tracking.	Adjust the belt tracking by adjusting contact pulleys or guide pulleys.
	Spindles are not securely fixed.	Check the bearings.
	Pulley has a small crown.	Make pulley crown larger.
	Spindle wharves, contact pulleys or other pulleys are not horizontally aligned.	Align pulleys properly.

Product Usage Safety Guidelines

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

For safe use, this documentation and Nitta's products utilize various symbols and signal words. After reviewing the "Severity of Risk" section below to understand the meanings of those symbols and signal words, read the safety precautions and follow the instructions listed.

■ Improper use (ignoring the symbols and signal words) may result in the following risks:

Symbol and Signal Word

Severity of Risk

- **DANGER** Indicates situation that may result in imminent risk of death or serious injury if ignored or incorrectly handled.
- **WARNING** Indicates situation that may lead to high risk of death or serious injury if ignored or incorrectly handled.
- **CAUTION** Indicates situation that may lead to injury and physical damage if ignored or incorrectly handled.

Signs

Meaning of Signs

- Prohibited Action — Indicates actions that must never be taken under any circumstances when handling products.
- Mandatory Action — Indicates actions that must always be taken when handling products, without exception.

1. Function and Performance

DANGER (Prohibited Action)

- Do not use belts as hoisting or towing equipment.

WARNING

- Do not use belts beyond the acceptable ranges specified in this catalogue.
- In situations where static electricity generating in the transmission or conveying device could risk causing a fire or causing the control device to malfunction, use an antistatic belt. Install a neutralization apparatus in the device.
- If belt encounters friction against frame or table, temperature range may be exceeded due to frictional heat, potentially causing premature belt wear.
- If water, oil, chemicals, dust, etc. adhere to belts or pulley, it may decrease transmission efficiency or cause premature belt wear.
- Do not use belts for conveying unpackaged food.

2. Storage and Shipping

WARNING

- Keep belts away from fire.
- Belts are combustible; do not store or use them near fire or a high-temperature heat source.
- When storing heavy belts, fix them in place using appropriate jigs or stoppers to prevent falling or rolling.

CAUTION

- When storing and shipping belts, do not distort them excessively. Bending deformation may occur, potentially causing belts to become damaged or break prematurely.
- When storing belts, keep them under a textile covering such as a sheet and put them in a well-ventilated, low-humidity place free from direct sunlight.
- Store belts in their original packaging until needed.

3. Installation and Daily Use

DANGER (Mandatory Action)

- Be sure to put a safety cover over the rotating part of the machine 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 confirm that the machine has stopped.

WARNING

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

CAUTION

- After replacing a belt with a new one, perform a test operation to adjust tension, elongation rate and operation.
- Do not attach belts forcibly; use a motor slide, a tension pulley or a special pulling device.
- If 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 workspace and keep away from fire.
- Do not leave solvent or adhesive on site. Return them to storage immediately after finishing use.

CAUTION

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

5. Handling Used Belts

WARNING

- Do not leave belts near fire.

CAUTION

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

THE EXCELLENCE OF NITTA TECHNOLOGY

Nitta Corporation turns dreams into reality. Our combination of dynamic imagination and creativity with an organic corporate structure enables us to cover a wide-range of products from the most advanced semiconductors and space development to everyday commodities. We are continuously seeking new products and new frontiers. This new technology, not immediately obvious to the naked eye, is vital to the continued growth of every industry. Our objective is to develop the extraordinary. Then to translate the extraordinary into the everyday.

BELTING PRODUCTS

Product Information


Polybelt


New Light Grip


Super Endless Belt

The Nitta tradition of manufacturing belting products began in 1888, with the power transmission leather belts that were the first of their kind to be produced in Japan. Today, our power transmission and conveyor belts continue to be utilized in a wide variety of machines.
By meeting society's needs with products including high-function and high added-value belts that convey power and objects more rapidly and reliably than ever, Nitta uses its technical capabilities to make a contribution to our society.

CONVEYOR PRODUCTS

Product Information


Economical Curve Conveyor, EC-I/ECS-I


Spiral Curve Conveyor, SC-I


Mini Curve Conveyor, MC Series

Conveyors, which transport a variety of products from one station to another, must be efficient, capable of making the most of a limited amount of space to convey objects smoothly without any human aid.
At Nitta, where we carry out the design-to-construction process for production-line conveyor systems, we use our technical know-how to promote conveyance speed and safety, and also offer advice on issues including the placing of conveyors to accommodate machines or installation environment. In a world where manufacturing and product logistics are becoming more important than ever, let us at Nitta provide the ideal solutions to your conveyor product needs.

ENGINEERED RUBBER PRODUCTS

Product Information


Wipers and packing materials


Rubber Bearings


Expansion Joint

Skyscrapers, intelligent buildings and a lattice-like pattern of highly ordered expressways make city life more comfortable. It is essential for these utilities to be safe and durable as well as aesthetically pleasing. Nitta is providing various kinds of reliable and easily maintained engineered rubber products such as construction materials and precision molding. They are made from high quality rubber with our own unique and special technology. Cities are full of amenities, and we are supporting the safety and comfort of city life by supplying high quality products.

HOSE & TUBE PRODUCTS

Product Information


Resin Hose for Hydraulics and Transfer of Fluids


Clean Fitting,CHEMIFIT™


Fitting for Automobiles

In the world of industry, there are many situations requiring hydraulic or pneumatic energy transmission or the transfer of fluids and as a pioneer in the field of resin hoses and tubes, Nitta is proud of its role in making this possible. Through our technological innovations and by responding to ever-diversifying needs for enhanced functions, we have succeeded in fusing new materials and technologies to create a wide variety of products. At Nitta, we will continue to offer new solutions to expand the possibilities of next-generation technology.

AIR FILTRATION PRODUCTS

Product Information


Removable filter EMILENT™


HEPA,ULPA filter SPleats

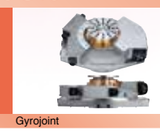

Gas Absorbent GIGASORB

New technology innovation is required everyday in high-technology industries. Nitta has been contributing significantly to the fields of semiconductor production and nuclear application by using unique air filter systems to create totally dust-free environments. These fields are at the forefront of our era. Nowadays, our filter systems are broadly used not only these fields but also FPD (Flat panel display), pharmaceuticals, foods, office buildings, and so on. Furthermore, we are developing ecological products which aim to reduce industrial waste and save resources, energy and costs. We are creating comfortable and dust-free environments, as well as protecting the earth and the natural environment, giving consideration to all environments and the realization of a perfect ecosystem.

MECHATRONIC PRODUCTS

Product Information


Automatic Tool Change System


Gyrojoint

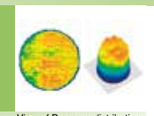
These are the newest products for automated production lines by our connecting technologies.
Industrial robots have a key role in the automation line. In response to a variety of applications required by the end of the industrial robot's arm we will meet the demands of our customers.

TACTILE SENSOR PRODUCTS

Product Information


Tactile Sensor Sheets


Wafer polishing


View of Pressure-distribution

0.1mm thin film sensor supports the quality improvement and product development needs of our customers.
In various fields, such as industry and medical, our thin film sensor shows the pressure distribution on the contact area in real time, and contributes to advanced quality control, prompt development and high customer satisfaction.

THERMOSENSITIVE ADHESIVE TAPE

Product Information


Intelimer® Tape (Sheet Type)


Intelimer® Tape (Roll Type)

Intelimer® Tape is an adhesive tape utilizing a special polymer which responds to temperature to become adhesive or non-adhesive. As an industrial-use tape, Intelimer® Tape brings labor-saving efficiency to work operations, and its ability to be reusable under the right conditions helps promote resource conservation and cost savings.

WIRELESS COMMUNICATION DEVICES

Product Information


On-metal Tag (UHF band)


On-metal Tag (Hard Type)


Magnetic Sheet (Roll Type)

By integrating our original rubber and resin technologies, we have developed high-performance magnetic sheets for wireless communication of mobile equipment as well as RFID tags (non-contact IC cards).