

**Expanded product line from Nitta:**  
**New PU conveyor belts for food processing and conveying applications –**  
**Now exceeding 3 meters width**

*Alkmaar, the Netherlands, September 2019.* Nitta has expanded its product line of PU conveyor belts. The thermoplastic polyurethane (PU) material is exceptionally resistant to grease, oils and chemicals. The PU belts are highly flexible, easy to clean and have an extremely long life. Thanks to a unique new production machine, Nitta can now manufacture a wider range of PU belts with widths exceeding 3 m. The PU conveyor belts are ideal for food processing applications such as bakeries, confectionaries, sweets and chocolates manufacturing, but also for conveying tasks in recycling, logistics, agriculture and industrial applications.

In conveying food products, hygiene plays a very important role. The belt material must be chemically inert and there must be an option for fitting sealed edges. Nitta's new thermoplastic polyurethane material excels through its exceptional resistance to grease, oils and chemicals. Favourable properties of the new PU belts are furthermore better wear resistance and a lower coefficient of friction, which is desirable for applications with accumulated products on the belt. In selecting the belt material, colour can also be an important parameter: the food product must be clearly differentiated from the belt material in order to detect any possible contamination. Nitta offers PU belts that meet FDA and European Union specifications in the main colours white, blue and transparent.

The new machine in Nitta's production facilities in Alkmaar in the Netherlands presses and homogenizes the cover material with calendar rollers. This results in a constant and compact structure. The homogeneous structure is a significant advantage in operation because there is less contamination and easier cleaning. This is very important to reduce the downtime of conveyors and consequently the entire production line as well as facilitating the required approvals for contact with food.

With the new production machine, thinner PU belts can now also be made, which has the advantage that the belts can run over "knife-edges" with an even smaller diameter. For single ply belts such rollers can have diameters as small as 4 mm. These thinner belts are more flexible, have a more favourable force-elongation ratio and the increased adhesion prevents delamination of the layers. Additionally, jointing will be much easier with this material.

The market is expanding for PU belts, as Piet Vrieling, Technical Sales Manager at Nitta in Alkmaar, notes: "This is mainly because there is a trend towards materials that contain less phthalates, that is chlorine or plasticizers. Furthermore, there is a trend towards lighter construction with smaller roller diameters in food processing as well as in logistics and warehouse distribution."

Nitta has two subsidiaries in Europe: Nitta Corporation of Holland B.V. based in Alkmaar, the Netherlands, and Nitta Industries Europe GmbH based in Düsseldorf, Germany. In Alkmaar, Nitta produces high quality conveyor belts with a large portfolio of available profiles, cover materials and ply configurations with both rigid and non-rigid types of fabric. These are supplied worldwide. The focus of Nitta in Germany is on power transmission belts with a fabrication center in Altenstadt close to Frankfurt. Here, belts are stored and processed according to customer specifications.

Both companies are part of the Nitta Corporation based in Osaka, Japan, a global pioneer and the first Japanese manufacturer of power transmission belts. Shortly after the establishment of Nitta Japan in 1885, the product lineup was expanded. Today, Nitta is a leading manufacturer of conveyor belts, power transmission belts and a wide range of other high quality industrial products. Nitta products are used in a multitude of industries including food, logistics, material handling, paper and print, textile, banking automation, agriculture and many others.

**Photos:**

Picture 1: The new Nitta production machine producing a white PU belt for application in the food industry (FDA/EU approved)

Picture 2: Nitta's PU belts can run over small roller diameters and have a homogeneous and compact cover layer with less risk for contamination

Picture 3: PU belts running over small pulleys / knife-edges in a pizza bakery, enabling the gentle transfer from one conveyor to the next

**Nitta at the following trade shows:**

FachPack 2019, 24 to 26 September 2019, Nuremberg, Germany: Hall 3 Booth 623

Parcel+Post Expo 2019, 1 to 3 October 2019, RAI Amsterdam, the Netherlands: Hall 8 Booth 960

**Company information:**

As a subsidiary of Nitta Corporation, Nitta Corporation of Holland in Alkmaar, the Netherlands, produces and supplies a full range of high quality conveyor belts. In Europe Nitta Corporation is also represented by Nitta Industries Europe GmbH based in Düsseldorf, with the focus on Power Transmission belts. Nitta Corporation, headquartered in Osaka, Japan, was founded in 1885 as Japan's first manufacturer of power transmission belts. From early on, Nitta expanded its activities into other industrial products. Today Nitta is a leading manufacturer of conveyor belts, power transmission belts and a wide range of other high quality industrial products. Nitta's products can be found in many industries including food, logistics, banking automation, paper processing, agriculture, printing and textiles.

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Press release

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