



Japanese News

by:

Shun Otsuki, President & Editor in Chief
Kinsan Fastener News
Shirakawa 3-23-6
Nishishimbashi Minato-ku
Tokyo 105-0003 Japan
www.neji-bane.jp

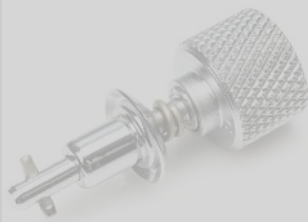
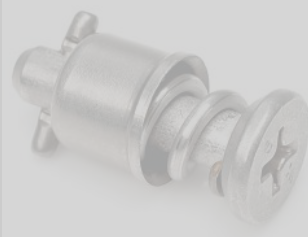


Belgium's Anemo Engineering Opens a Japanese Website for "Turnlock", an Easy-to-Remove Fastener

Anemo Engineering of Alveringem, Belgium, has launched a Japanese website for its "Turnlock" fastener, which facilitates the fastening and removal of two panels.



Turnlock allows safe and easy fastening and removal by simply pinching the head of the fastener with a finger and turning it by a quarter turn. These fasteners are ideal for panels and other assemblies that need to be opened and closed quickly. It consists of a spring, retaining washer and receptacle (female part). It is durable and resistant to vibration. In addition to products that can be removed with the fingers, the company offers a variety of products that require the use of standard tools such as crosshead screwdrivers, spanners, and hexagonal wrenches.



Turnlock products are used by NASA for equipment such as the shredder that astronauts bring to the International Space Station (ISS), 3D printers that use the resin cut by the shredder as material and experimental equipment called "ice-cubes". It is now used in machinery, transportation vehicles such as trains, construction equipment and military equipment.

Although 30% of its sales are generated from the USA market, the company has been preparing for the development of international markets. This time, they opened the first version of their multilingual website in Japanese. The website features a wide variety of turn-lock products and videos.



Moreover, high-strength aluminum products have been added as a new product line-up of Turnlock. The line-up includes MTH slots with slotted head recesses that can be installed with a screwdriver, MTH crosses with cross recesses and MTH folding rings with ring handles that can be installed by hand. These products contribute to weight reduction that can be achieved only with high-strength aluminum. The cross pin and spring are made of stainless steel for strength.



In addition, the company released a re-

ceptacle (female part) with an adjustable function that can be used for different thicknesses of mounting panels. Studs (male parts) of the same length can be used for mounting panels of different thicknesses. By screwing the insert in the receptacle inward or outward, the receptacles can be adjusted for a specific panel thickness.

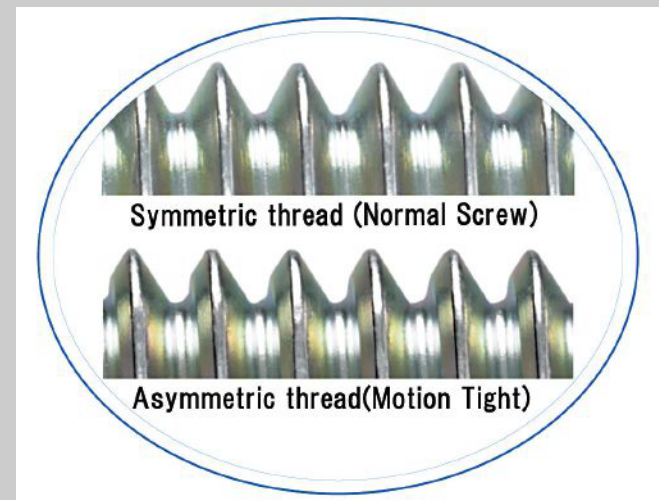
Once the height is adjusted, remove the security pin to fix it in place. They are applicable to MTH series and HGR series. Turnlock is available with certificates of quality, conformity and origin according to user requirements. The company is planning to expand its business in Japan by recruiting distributors to handle Turnlock.

For product details and inquiries, visit the official Japanese version of the website: <https://www.turnlock.jp/>

"Motion Tight" is Breaking a New Ground

The high-performance anti-loosening bolt "Motion Tight" developed by ART SCREW Co., Ltd. (Nagoya) is breaking a new ground. The company is developing abutment screws as a new product and also developing multiple products in parallel such as new shaped bolts that increase fatigue strength to 1.5 times that of standard products.

Motion Tight is an anti-loosening bolt featuring a special asymmetric thread shape. It is designed to gradually contact with internal screw occurs from thread top of external screw. The axis is raised toward the seat surface side (upward) as tightening torque is applied. After that, external screw and internal screw contact each other at flat surfaces. Then, repulsive forces act on seat surface and thread surfaces, thereby generating high anti-loosening force.



Motion Tight is a strong anti-loosening force that is exerted simply through normal tightening. That capability realizes down sizing with high axial force and improvement in fatigue strength, and can be expected to significantly reduce cost with down sizing and unnecessary loosening prevention. This product has been used in a wide range of fields includ-

Japanese News ...continued

ing motorcycles and automobiles, logistics, railways and electric appliances. And it has been recently used in fields where contamination is not allowed such as semiconductor and medical-related fields.

Also, ART SCREW is focusing on overseas expansion. The company signed a manufacturing and sales contract with Taiwan FKE and Anchor Fasteners Vietnam Co., Ltd., two years ago.

President Matsubayashi said, "Loosening and breaking is the most common complaint about screws, and I propose to solve this problem and reduce the weight and cost. Motion Tight has high loosening prevention power just by tightening normally. Next year, we plan to launch the new shape bolt with increased fatigue strength up to 1.5 times. I expect a big response to new product."

ART SCREW is looking for manufacturing and sales contracts outside of Japan to spread Motion Tight. There is no initial contract fee or volume-based payment required, only US\$1000 per month as a license fee. Plus rolling tools and thread gauges for motion tight need to be purchased from ART SCREW.

For more information, you can contact President Matsubayashi at: kou@artscrew.co.jp

Fuji Buhin Industry Aims for Group Sales of 20.6 Billion Yen

Fuji Buhin Industries Inc. (Gunma) aims for a total group sales of 20.6 billion yen in 2021. The company, which is in the first stage (2020-2022) of the medium-term management plan aiming for sales of 20 billion yen at the domestic base (FBK) and 100 million yen at the USA base (FCP), is involved in "innovation" and "reform". The firm is promoting its business with these keywords.

In FY2008, FBK decreased 21% year-on-year to 11,360 million yen, FCP decreased 26% year-on-year to 4710 million yen, and the group total decreased 22% year-on-year to 16,070 million yen.

Due to the global supply chain turmoil such as the shortage of semiconductors and resin materials including the new corona in the automobile industry, the range of sales decline at domestic bases has reached a record high. At an on-line debriefing session for suppliers, President Matsuzaki looked back on the previous term as a severe year.

The target for FY2021 is domestic sales of 14.5 billion yen and a total of 20.6 billion yen for the group. Although the end of COVID-19 is uncertain and the timing to solve the semiconductor shortage is uncertain, the plan is to achieve the target by accumulating new orders in anticipation of a recovery in production by major users.

Fuji Buhin Industries' President Matsuzaki pointed out that there will be a full model change and a big minor change of the automobile manufacturer, which is a major user, as a positive factor within the year. Furthermore, it aims to expand sales by accumulating orders from customers other than major users.

Regarding this term, President Matsuzaki said, "We are reviewing the plan and reorganizing the system in order to put it on a rising trend again, but until the economic situation returns, we will first overcome this difficult situation. I want to

prepare for V-shaped recovery."

Nitto Seiko Certified Universal Robot "UR" by Screw Tightening System

Nitto Seiko (Kyoto) will release the "PD400UR" series of screw tightening units that have acquired the "UR +" product certification of Universal Robots in Denmark, from August 30, 2021.

With the spread of collaborative robots that do not require safety fences and are easy to introduce, there is an increasing demand for high-performance screw tightening machines that can be mounted on collaborative robots also in the screw tightening. The PD400UR series released by the company is certified as UR+, a universal robot manufacturer of collaborative robots. UR+ certifies third-party products that are compatible with the system such as being able to be set from the



interface of a collaborative robot made by Universal Robots. In the field of screw tightening robots, Nitto Seiko was the first Japanese company to obtain certification.

The newly developed plug-in software, URcap NS SD600T that can be introduced into the universal robot dedicated teach pendant, can easily arrange the tightening torque and

