

## AMERICA

Stanley Black & Decker  
Opens York Location

美國工具大廠史丹利在約克縣設立新據點

Stanley Black & Decker, one of the world's largest tool companies, is opening a new manufacturing facility in York County. The new operations are projected to bring \$31 million in capital investment and lead to the creation of 500 new jobs. Stanley Black & Decker is a diversified global provider of hand tools, power tools, and related accessories; electronic security solutions; and fastening systems. Stanley Black & Decker will be occupying a new 345,000-square-foot facility for the manufacture and assembly of DEWALT cordless power tools. The new facility will be located in the Lakemont Business Park in Fort Mill.

ASG Auto Feed  
System Increases  
Productivity and  
Quality

美國ASG自動給料機增加生產力與品質

ASG, a world leader in Assembly and Automation, offers automatic screw feeding and screw driving in one system. The Premium Auto Feed systems decrease production time and ensure quality. The Premium Auto Feed system automatically sends screws from the bowl to the screwdriver. The positioning and tightening of the screw on the workpiece is semi-automatic, eliminating the need for the operator to manually pick up the screw. Tool integration options for the Premium Auto Feed include torque and angle drivers, as well as pneumatic or electric clutch drivers.

According to Product Manager, Tim Haper, "Some of our customers experienced a 40% reduction in their cycle times and a dramatic improvement in quality. The auto feed systems are easy to use and add a level of safety and ergonomics. These systems also allow easy integration into existing production lines."

The Premium Auto Feed System is available in two models, Forward Stroke and Telescoping, both of which offer smooth, quiet operation. The Forward Stroke model is for restricted access application. The Forward Stroke model allows for "no surface touch" applications. The Telescoping model is intended for standard applications, and it allows for operator control of final screw height. Beyond these two models, there are many configurations available to suit any application needs.

Simpson Strong-Tie Renews Partnership with  
Habitat for Humanity to Help Build More Disaster-  
Resilient Homes

美國五金建材供應商Simpson Strong-Tie將持續與公益住宅團體合作協助打造更抗災住宅

Simpson Strong-Tie is renewing its partnership with Habitat for Humanity to continue supporting the housing organization's efforts to make homes resilient to disasters. This is the 12th consecutive year of the partnership to help more families in need of a decent and affordable place to call home. To date, the manufacturer of structural product solutions has contributed more than \$2.75 million toward Habitat's mission.

The company will donate structural connector framing hardware and prefabricated shear walls for new construction and will continue to support Habitat Strong, a program that backs building disaster-resilient homes in weather-sensitive areas.

## Fastenal Museum to Showcase Humble Beginnings

美國Fastenal博物館開館展示創業的起源

On Nov. 28, 1967, a small hardware store opened for business at 69 Lafayette St. in downtown Winona. Now, 50 years later, Fastenal is a Fortune 500 company and the largest fastener distributor in North America, supplying nuts, bolts, screws and more to residents of Winona and people of Taiwan. Winonans are invited to see the old brick store where it all started, now a museum filled with stories and artifacts from the earliest days of Fastenal.

The museum is currently open to the public at no cost. Visitors can see a prototype of founder Bob Kierlin's creative but unsuccessful hardware vending machine, a recreation of a typical Fastenal branch circa the early 1980s, and a lineup of some of the strangest fasteners and components the company has ever produced.

Ta Chen and Brighton-Best to Benefit  
from the Approved Tax Reform

《鋼鐵股》美稅改過關，大成鋼、大國鋼受益

The U.S. Senate on December 2nd approved Trump's tax reform, which will help reduce the high corporate tax rate for the corporates operating in the US traditional industries. The US stainless steel products distributor Ta Chen International (TCI) and its subsidiary Brighton-Best International (BBI), a fastener distributor, could expect to benefit from the reform.

The Senate will cut the corporate tax rate to 20% from 35%. As the biggest stainless steel products distributor in the US, TCI is expected to benefit if the tax rate is greatly reduced.



## Loose Screw Likely Caused Marine Harrier Crash Off Carolina Coast

螺絲鬆脫可能是造成美國海軍獵鷹式攻擊機迫降的主因

A Marine Corps AV-8B Harrier's cross-country training flight on May 6, 2016, was abruptly cut short when the aircraft suffered catastrophic engine failure and crashed in the water off Wilmington, North Carolina, shortly after takeoff.

According to a newly obtained command investigation, the disaster was likely caused by debris damaging the engine -- and the suspected culprit was a screw fastener with a 5/16ths-inch hexagonal bolt head. The mishap totaled more than \$64 million in damage for the Corps, including the totaled Harrier and an expensive Litening advanced targeting pod that was mounted on the aircraft.

[The Harrier fleet support team] believes it is likely that the fastener had been lodged inside a boundary layer door for an indeterminable amount of time. Departure from Wilmington was normal but, shortly after takeoff, as the aircraft flew over the Atlantic, the pilot heard an unusual "thump" noise. Concerned, the pilot did an instrument check. There was a second "thump," and then a third, more powerful noise. "This time, it was more violent and I felt as if it shook the aircraft," the pilot recalled. By now, the throttle had also stopped responding. The plane went down in the Atlantic about 12 miles southeast of the Wilmington airport.

The investigation called for further investigation of the object, believed to be a screw, that caused the engine to fail, citing possible changes to maintenance and preflight inspections that might result.



## EUROPE



### Würth Group Breaks Records in Sales and Operating Result

Würth集團銷售和營運結果創新高

Sales grow by 7.5 percent to new record level of EUR 12.7 billion

- A. Operating result also at record high
- B. E-business share continues to grow

According to the preliminary annual financial statement, the Würth Group reports a sales volume of EUR 12.7 billion in 2017 (previous year: EUR 11.8 billion). This corresponds to a growth of 7.5 percent. Adjusted for foreign currency effects, growth comes to 7.9 percent. In particular, companies in Eastern and Southern Europe grew dynamically. With respect to the business units, Electronics and Production show above-average growth rates.

According to preliminary calculations regarding the operating result, a new record amounting to EUR 760 to 770 million is expected. This is a considerable increase over the previous year (2016: EUR 615 million). "These figures motivate us and prove us to be on the right track implementing our multi-channel strategy. E-business is gaining momentum: so with our developments and services, which we tailor to the needs of our customers, we have our fingers on the pulse of time. We must ensure speed, reliability and availability. These aspects are important to our customers," Robert Friedmann, Chairman of the Central Managing Board of the Würth Group, declares himself satisfied with the preliminary figures. In 2017, e-business sales grew above-average by 19.3 percent.

## WIN EURASIA 2018 土耳其工業技術展即將開展

Set to be held in TÜYAP on March 15 - 18, 2018 with the slogan "Union makes strength!", WIN EURASIA brings together 6 international industrial exhibitions under a single roof again. WIN EURASIA is expecting about 3,000 exhibitors and 87,000 visitors from around the world. Alexander Kühnel, General Manager of Hannover Fairs Turkey says, "WIN EURASIA is one of the exhibitions with the highest international potential for both exhibitors and visitors. We believe that we will make great contribution to works conducted in order to make our country one of the most strategic exhibition centers in the world with WIN EURASIA. Exhibitions should become the central base of knowledge and experience as much as of trade. Therefore we have created a space for experience in WIN EURASIA regarding Industry 4.0".

Assigning a special area to Industry 4.0, WIN EURASIA will offer local and foreign companies an opportunity to promote their latest technology products and services in Istanbul. WIN EURASIA will be a display where the world industry giants will compete to show their latest technologies using the new applications of the event and the special areas realized with a special concept focusing on Industry 4.0. Aiming to offer a 360 degrees perspective to the production industry, the exhibition will enable its exhibitors to have first-hand experience with technological developments such as automation, digitalization, internet of things and enhanced reality.

The entire eco-system needed for the factories of the future, from sheet processing to metal shaping technologies, automation services to electric and electronic equipment, hydraulic and pneumatic services to on-site logistics will be displayed in WIN EURASIA this year.



## Heller Tools GmbH Secures Future With New Board Of Directors

### 德國鑽頭製造商兼零售商Heller Tools公司人事異動

On 1 October 2017, Dr. Robert Untiedt succeeded Dr. Frank Schubert as spokesman of the Board of Directors. After almost 20 years with Heller, Dr. Schubert retired at the end of 2017. Dr. Untiedt will be responsible for the fields of Sales, Marketing, Product Development and Administration (Finance, HR and IT). In the future, Heller will continue to put a special emphasis on serving customer requirements. Dr. Schubert's retirement will mean the loss of a profound industry expert. Apart from various other international executive positions, he successfully managed Heller Tools GmbH as Director for a period of 19 years.

Before joining Heller, Dr. Untiedt had worked for Körber AG in Hamburg, Germany, where he was lastly responsible for the organic growth of the technology group's six divisions as Head of Strategic Marketing & Sales. Previously, he had served as a strategy consultant for the Boston Consulting Group.



## ASIA



## EVERWIN Takes Home 2017 PTIA

### 惠旺榮獲2017專業工具創新獎

EVERWIN's brand new FCN90L "Ultra-Light" Framing Coil Nailer takes home a 2017 PTIA (Pro Tool Innovation Awards) in Pneumatic and Nailers. This makes EVERWIN the very first Taiwanese brand to win such an honor. Tool manufacturers who have won this award in the past include DeWALT, Hitachi, ITW Paslode and Senco.

Here is what the judge of the award said about the EVERWIN FCN90L: "Everwin nails it with their FCN90L Coil Framing Nailer. Its combination of lightweight, accurate nail placement, and versatility set it apart from other framing nailers. The light weight component is obvious – lighter weight means less fatigue over a long day. But what caught our eyes in addition to that and precision tip is the ability to change tips for different scenarios. Sure, we're going to want the serrated toe nailing tip most of the time, but it's good to have a flat tip and no-mar pads for the times that leaving a mark matters."

The FCN90L was launched in late 2017 and is available from authorized EVERWIN dealers worldwide.

## Fastener Market Value in China is Forecast to Reach \$78 Billion in 2017

### 專家預測2017年中國扣件銷售額可達780億

According to China's fastener sales Jan. to Oct.'s data shown in 13th China Fastener Economy Trade & Technology Forum, experts forecast the growth of China's fastener industry for 2017 would show an increase by 3~4% from 76-80 billion USD in sales and 2-3% from 7.4-7.5 million tons in capacity. It's also expected a 5 % jump to 5 billion USD in exports with 2.85 million tons of capacity and a 6.5% rise to 0.31 million USD in imports with 2.85 million tons.

The global fastener market reached 82.9 billion USD in 2016. As reported by GVR (Grand View Research), a U.S. based market research and consulting company, the market will grow to 104 billion USD by 2020 and 120 billion USD by 2023. The annual demand will increase on average by 4-5%.





## Mitsubishi Subsidiaries Faked Aluminum, Brass, Copper Data

三菱綜合材料株式會社的子公司假造鋁、黃銅、銅製產品的數據

Mitsubishi Materials Corp. (MMC), a maker of components used to make autos, aircraft and electricity generation equipment, issued an apology on Nov. 24 for faked quality data by some of its subsidiaries in order to meet specifications.

The company released a report of its findings on Nov. 23. The report stated that Mitsubishi Cable Industry (MCI) faked data on O-ring sealing products used on metal parts such as pipe fittings. Data was falsified for around 270 million units sold to a total of 229 customers between April 2015 and September 2017.

Mitsubishi Shindoh Co., another subsidiary, tinkered with data on copper and brass products. Similar problems were found at Mitsubishi Aluminum Co.

Furthermore, the company notes that MCI first discovered the problem in Feb. and on Oct. 23. MCI suspended the delivery of "nonconforming products" and reported its findings to MMC on Oct. 25. Mitsubishi Materials said the problems affected scores of customers.

## Japanese Sinwa Mekki Develops "Sinwa Zint" Zn-Ni Alloy Electroplating with 20-Fold Corrosion Resistance

日本新和電鍍研發出20倍抗蝕能力的「新和ZiNT」鋅鎳合金電鍍技術

"Sinwa Zint" is a result of the technical collaboration between Sinwa Mekki and the American Pavco. This electroplating technology has 2 layers. The lower layer is the Zn-Ni alloy electroplating layer that is 10 times more corrosion resistant than Zinc electroplating; on top of that is "Topcoat" coating developed by Pavco. As such, corrosion resistance is leveled up to 20 folds. Iron rust resistance can last up to 2,000 hours, and zinc rust resistance up to 1,000 hours. This is the first time that the Japanese electroplating industry introduces Topcoat from a top American surface treatment company.



## KFFIC Reports 2016 Results of Korean Fastener Industry

韓國扣件工業協同組合報告2016韓國扣件產業現況

The Int'l Committee Director Lee of Korea Federation of Fasteners Industry Cooperatives (KFFIC) reported the production and fastener trade statistics of Korean fastener industry in 2016. The domestic Korean fastener production in 2016 was 1.03 million tons and more than 80% of the production was for the automotive application. In 2016, Korea imported USD 0.493 billion worth of fasteners (down 16.6% from 2015). Main import origins were China, USA, Japan, Germany and UK (China and USA altogether represented 58% of Korea's total import). In the same year, Korea exported USD 0.911 billion worth of fasteners (up 19.7% from 2015). The main export destinations were China, USA, India, Japan and Mexico (China and USA altogether represented nearly 50% of Korea's total export). Both results in export and import show significant dependence of S. Korea on China and USA.

Lee added that, since H2 2016, there has shown significant recovery in business transactions and investment projects and Korea's economy in H1 2017 also showed growth in project investments and export. However, due to the influence from certain issues like N. Korea and the global situations, we still need time to tell the future development of the global economy.



## Taiwan CSC Increases Domestic Quote on Steel Products for Q1 2018

台灣中鋼調整2018年第一季內銷鋼品盤價

On November 24th 2017, Taiwan CSC held the domestic quote meeting for steel products in Q1 2018. It is estimated that the global economy growth will continue to accelerate in 2018. Taiwan benefits from the thriving export, as well as the strong and stable industrial production. According to Directorate-General of Budget, Accounting and Statistics, the economic growth rate in 2018 is projected to reach 2.27%, better than 2017's performance. Thus Taiwan CSC made price adjustments as shown in the table.

## FIJ Reports 2016 Results of Japan Fastener Industry

日本螺絲工業協會報告2016年日本螺絲產業現況

The Fasteners Institute of Japan



The Int'l Committee Director of Fastener Institute of Japan (FIJ) Mr. Ookawa, on behalf of FIJ, reported the production and fastener trade statistics of Japan fastener industry in 2016. In 2016, Japan produced 3,010,056 tons of fasteners (up 104.2% from year 2015) and the total production value amounted to JPY 851 billion and 90 million (up 102.7% from year 2015).

As for export, Japan exported 327,717 tons of fasteners (up 104.2% from year 2015). The export value amounted to JPY 268.5 billion and 3 million (up 97.1% from 2015).

As for import, Japan imported 228,744 tons of fasteners (up 98.0% from 2015). The import value amounted to JPY 80.2 billion and 89 million (up 87.2% from 2015).

Mr. Ookawa said that Japan's economy is continuously recovering and has been gradually close to the level before the collapse of Lehman Brothers and the fastener industry also shows a trend of recovery.

| Product Category               | Avg. Price Adjustment (NTD/ton) |
|--------------------------------|---------------------------------|
| Steel Plates                   | +455                            |
| Wire Rods                      | +641                            |
| Hot Rolled                     | +214                            |
| Cold Rolled                    | +0                              |
| Galvanized Steel Rolls         | +0                              |
| Electromagnetic Steel Rolls    | +0                              |
| Hot-Dip Galvanized Steel Rolls | +100                            |