

Feature:

Parts for Industrial Assembly

工業組裝用扣件專輯

arranged by Fastener World

Precision Metal Wire and Sheetmetal Processing -

Yen Chang Hardware Capable of Satisfying Customers' Requests for Sophisticated Products



Specializing in high precision CNC metal parts processing

Nan Dee Precision Co., Ltd.: It's our passion and mission to "provide customers with best solutions and satisfy customers' demands"!



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精密金屬線、板材加工
延昌五金助客戶克服高難度產品製造需求

by Gang Hao Chang, Vice Editor-in-Chief of Fastener World

Incepted in 1992, Yen Chang Hardware Hook & Spring Factory located in Tainan, Taiwan is an ISO 9001:2015 certified company with complete small to medium sized hardware processing technology. Named as a business for hardware, hooks and springs though, Yen Chang is a de facto expert for precision stamped parts. Through 26 years of development and growth, Yen Chang has successfully extended its product portfolio to include stamped parts, metal forming, springs made of stainless steel, copper, aluminum, etc.

With expectation of better future for CNC milling (machining), it made a bold move to set up its own CNC division for precision parts processing. Its high quality products have been comprehensively used in automotive/motorbike parts, camping & living, fishing hooks, construction, electronic components and many other industries. The unique technique and flexible service of Yen Chang have not only been recognized by the market, but also have made the company gain a solid presence fast in the global market.

Self-developed Machines + Well-trained Technicians, Helping Customers Reduce Risk of Defective Products

President Chen Jung-Shou, who was once a contestant in a relevant machine processing

competition, has dedicated himself to spring processing technology for decades and has a wealth of practical experience and knowledge of machine operation. The multi-slide machines installed in the plant were mostly developed and assembled by President Chen, as a result, compared to other companies which purchased machines directly from outside the company, Yen Chang could offer the optimal product processing solutions that accurately meet customers' needs. The multi-slide machine is a horizontal stamping press that uses cams to controls tools. The key difference is that instead of an "up and down" motion like in a punch press, the multi-slide machine works on right angles. Its moving slides that have tools attached, which strike the work piece to form it. And it is the best die casting option for small and complex parts. These machines allow us to form all bends in particular part without repositioning or moving the part to another machine or operation. Fewer operations mean a more efficient and lower cost solution to you. In addition to multi-slide machines used to process metal materials of wire and sheet, which produce less waste. Yen Chang has also introduced punch press includes stage stamping and progressive stamping. Some of the benefits to punch presses are that they take low-volume orders, less time to set up and run at a faster rate than a multi-slide, providing cost savings, which helps the company solve any possible problem efficiently and immediately. Assistant Manager Ms. Kiwi Cheng said, "One of our competitive edges is our developing capabilities for molds, dies and tooling! Some of our technicians even once represented Taiwan to compete in WorldSkills – Polymechanic/Automation held in Canada and won two gold medals. All of these bestow strength upon us to satisfy customers' requirements for precision, high-performance and punctual delivery of products. We didn't need to worry about issues like defective products or delayed shipments resulted from die replacement or maintenance, either, so we could help customers achieve their goal of cost control."

Further Consolidating Presence in Taiwan and Focusing on High Added-value Markets in Europe, USA and Japan

Ms. Cheng emphasized, "We never consider ourselves a traditional industry and are continuously working hard toward the field of precision stamping and CNC processing. Most of our customers are located in Taiwan, however, we have also expanded our business to European, U.S. and Japanese markets through traders and direct sales." The thoughtful OEM and ODM service has made Yen Chang widely recognized by global customers and made it reach the eye-catching sales record of 7-8 million pcs of stamped parts, 5-600 million pcs of wire forms and 4-500 million pcs of springs per year.

Aside from technique, service and communication are what Yen Chang is extremely concerned about. The company has also helped many customers complete their own patent products improvement & development projects. Cheng added, "We are where our customers are! Different from large corporations, Yen Chang could immediately respond to customers' requests for low-volume and sophisticated products, which is more efficient and flexible." In the ever-changing industrial environment with increasing competition, Yen Chang will continue to make the most of its technique to satisfy customers' demand for lower cost and high quality and expects to offer better and a wider range of service, renovate facilities, look for new customers and make contributions to the field of precision hardware and stamping.

YENCHANG

HARDWARE HOOK & SPRING FACTORY

- SPECIAL FASTENER
- STAMPING PARTS
- METAL HARDWARE
- WIRE FORMING
- CNC PARTS
- SPRINGS
- OEM
- ODM

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鑽研高精密CNC金屬零件加工
南帝精密:「提供客戶最佳解決方案、滿足客戶的任何需求」是我們的熱情和使命!

by Gang Hao Chang, Vice Editor-in-Chief of Fastener World

Founded by Chuang Brothers, Nan Dee Precision Co., Ltd., for over 30 years the company has specialized in high-precision CNC metal parts processing. Primarily focusing on the production of copper alloy metal parts in the early stages of the company, services gradually expanded to cover the production of precision parts such as aluminum, steel and stainless steel as technological processes becomes more mature. In recent years, Nan Dee R&D team has been actively developing aerospace parts with special materials, providing clients all over the world a more comprehensive and advanced high-precision CNC parts manufacturing and supporting service. In terms of technology, process innovation and customer support, we are constantly reforming, staying at the forefront of the industry.

Hundreds of CNC Precision Processing Machines are Working at the Same Time to Create 100 Million Parts Per Year

Nan Dee's products are mainly used in industry, medical sector, fasteners, automotive, RF needle, automation, hydraulic devices, military and aerospace manufacturing industries. Therefore, the requisite for quality and product accuracy is held up to a higher standard. Dealing with the demand for nearly 100 million precision parts each year, quality control has become even more crucial. As a result, Nan Dee Precision imported hundreds of Japanese CNC 4-axis Swiss-type digital-controlled machine tool (outer diameter range of ϕ 0.3~120mm, precision tolerance \pm 0.005), which greatly elevated the level of product processing precision. Due to its insistence on quality, Nan Dee's products have been repeatedly recognized by the world's major manufacturers. In 1996, 2000 and 2006, they were even named the "best supplier of the year" by HIROSE Motor of Japan, Olympus of Japan and Radiall of France.

Mr. Chuang, Chao-San, ND's CEO, stated: "Nan Dee values and insists on high quality. They are also actively developing talents in the related fields, arranging educational training to elevate the quality of employees. In turn, this had successfully allowed Nan Dee to possess the ability to produce more precise, more accurate tolerance parts."



Winner in High-precision Market in Europe, US and Asia

Through stable processing quality and satisfactory service, Nan Dee has established long-term and close cooperation with customers over the years. In fact, they have taken a stronghold in the high demand market of high-end precision parts in Europe, North America and East Asia. In regards to manufacturing and quality management, Nan Dee has long been internationally certified for ISO 9001, ISO/TS 16949 and AS 9100D.

Using the collaboration with P&G as an example, general manager Chuang stated: "We have been producing razor parts for P&G for many years. Over the years, however, this client has expressed intention of collaborating with Chinese manufacturers in order to control and cost down the cost. At the end, they still chose to continue working with us after discovering that their quality stability and service attitude cannot be compared with that of Nan Dee. From this incident, it is evident that the service quality of Nan Dee is second to none, with high affirmation from our clients. Additionally, to achieve timely delivery and improve the accurate delivery of each shipment, we have built ERP system and imported barcode traceability management."

Ceaseless Steps towards Innovation

Target: Industry 4.0

In addressing the future vision of the Company, General Manager Chuang firmly noted: "As a green enterprise that values environmental protection at its core, Nan Dee insists on following by regulations while keeping pace with the times, therefore all wastes generated from the process is handled by government approved recycling plants. In regards to product development, we hope to establish our own brands, which in turn will enable us to elevate the uniqueness and superiority of Nan Dee in the global market. Continuous innovation and progression have always been one of Nan Dee's core business principles. Thus, we will continue to strive toward industrial 4.0 in the future." □