

# HEY YO TECHNOLOGY

## The Expert Dedicated to Stainless Steel Insert Nuts and Dowel Pins

Hey Yo Technology specializes in SUS300 series (303/304/316), 400 series (416/420) and SUS630 stainless steel needle rollers, rollers, dowel pins, insert nuts, and CNC machined parts. Its ability to produce high-precision dowel pins as thin as a hair at a minimum of 0.6mm has been widely recognized in the market. In addition to dowel pins, it pays more attention to the market niche and includes stainless steel insert nuts as the top product of this year.



### Ultra-precision ISO 2338, ISO 8734, and DIN 6325 Compliant Micro Dowel Pins

Hey Yo provides ISO 2338, ISO 8734, and DIN 6325 dowel pins with an O.D. of 0.6-4mm and a length of 2-45mm. Its average monthly output is more than 5 million pcs. Through the use of automatic grinding equipment, the O.D. grinding precision of its dowel pins can reach 0.003mm and the surface roughness can be better than Ra 0.1. General Manager Gary Chang said, "Dowel pins with the O.D. of less than 1.5mm and the grinding precision of less than 0.005mm are definitely our strengths. Through the use of self-developed dowel pin processing machines to improve waste of materials, increase productivity and stability, we're able to provide customers with super high CP value and affordable prices." Hey Yo has all sorts of testing equipment for dowel pins, including 2.5D projectors and surface roughness/roundness/straightness/hardness testing machines, and can provide complete testing reports .

### Stainless Steel Insert Nuts with High Market Potential

At present, the inserts nuts in Taiwan are mainly made of brass. While users are using these nuts, chipping is very likely to happen during fastening or removing due to the soft texture of brass, and they are also likely to get rusty while used outdoors . Hey Yo, being not afraid of challenges, expanded its product portfolio to hard-to-make stainless steel insert nuts. By utilizing stainless steel's high toughness and rustproof properties, the products can still maintain their function in harsh environments. They are generally used in monitors, cars, drones, and other outdoor products. The spirit of being dedicated to challenges and not afraid of difficulties is Hey Yo's culture, and the continuous acceptance of challenges is also the driving force for General Manager Chang to continuously lead the company to grow.



Hey Yo is currently specialized in two types of insert nuts. One is the stamped insert nut, which is pressed into a metal sheet by stamping, and the material will flow into the undercut section in the form of "cold deformation," thus making the nut a part of the metal sheet. The other is the plastic insert nut used in plastic insertion and the methods used include hot-melting and hot-pressing. The herringbone knurling design can prevent the workpiece from loosening after locking.

### Stainless Steel Expert with CNC Machining and Heat Treatment Knowledge Provides Professional Consultation

General Manager Chang emphasized that Hey Yo has conducted in-depth research on the properties and processing of stainless steel, especially the selection of SUS416, 420, and 630. Hey Yo always feels easy to complete tasks from the basic CNC stainless steel processing tool selection and processing rpm feeding configuration, to the heat treatment processing in the later stage. If one is not familiar with the hardness and processing conditions of stainless steel heat treatment, it will lead to the output of products with insufficient or excessively high hardness that may cause embrittlement. This is where Hey Yo's greatest advantage lies. "The professional knowledge and specifications of the heat treatment industry are not necessarily fully understood by buyers." Mr. Chang uses his professional knowledge of stainless steel processing and heat treatment to evaluate the feasibility of product production for customers, serves as a communication bridge between customers and third-party heat treaters, and provides customized product solutions as a consultant.

Achieving the market segmentation of stainless steel insert nuts and brass insert nuts is a part of Hey Yo's main focus on product differentiation. General Manager Chang cooperates with many superior suppliers to reduce production costs and improve product quality through professional division of labor. He attaches great importance to the communication in product design and the efficiency to solve customers' problems. Coupled with CNC turning & milling services for peripheral products, as well as the new office inaugurated last year, Hey Yo will continue to explore new business opportunities at home and abroad this year. ■



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