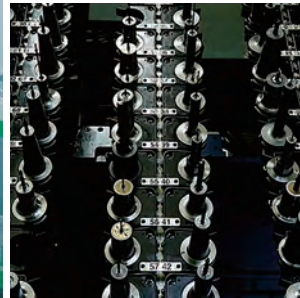


Yutaka Co., Ltd.



Serving diverse sectors, from the aerospace and semiconductor to medical equipment fields:
Realizing manufacturing with ultra-high precision at the sub-micron level

Category Wind Turbine Manufacturing > Precision Machine Parts



Nationally leading facilities and human resources offering support for diverse fields

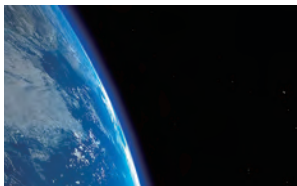
Leveraging its cutting-edge manufacturing, Yutaka responds to the needs of a diverse range of fields, including those involved with semiconductor manufacturing equipment, liquid crystal devices, food-processing, medical equipment, automation lines, and aerospace-related products. Yutaka's integrated system, handling everything from sales, design, and manufacturing to quality control and delivery enables the achievement of total build-to-order production. The company has established a production system capable of handling everything from one-off products with complex forms to mass production offering cost savings. All nine buildings of the company's production facilities maintain constant temperatures of 22°C, 24 hours a day, 365 days a year. These facilities are equipped with more than 160 units, ranging from general-purpose machines to state-

of-the-art equipment. In terms of processing involving cutting, Yutaka's main strength involves its 3D machining capabilities achieved with 5-axis machining centers, CNC compound lathes, and more. Also, for grinding, the company is equipped with surface grinders, cylindrical grinders, rotary grinders, and more to provide support for ultra-high-precision products in the submicron range (1/10,000 mm). Additionally, Yutaka has established its own original quality control system ensuring proper inspection and quality assurance for all products. Making full use of some of the best inspection equipment in Japan, including 12 coordinate measuring machines, as well as 17 nationally certified inspectors who can be counted on to not overlook even the slightest error, the company stands as a bastion of ultra-high-precision product manufacturing.

- Materials: Support for stainless steel, aluminum, and iron, as well as difficult-to-cut materials including titanium, Inconel, and Hastelloy.
- Manufacturing sizes: Equipment maintained for up to $\phi 1,000$, along with a full range of equipment handling sizes $\phi 350$ and smaller • Certifications: ISO 9001, ISO 14001, JIS Q 9100:2015

Adoption Record

Asteroid-exploring space probes: Hayabusa and Hayabusa2



Yutaka participated in a project to develop equipment components for collecting samples from asteroids' surfaces to be used in the Hayabusa and Hayabusa2 asteroid probes. Ehime manufacturing companies, including Yutaka, contributed to the design and development of the probes' sample-collecting mechanisms.

The H3 Launch Vehicle, the next-generation large-core launch vehicle



The H3 was developed as a direct successor to the H-IIA Launch Vehicle currently in operation. Successful launches were made in February and July 2024. Yutaka manufactured engine and satellite components for the probe, leveraging its technological capabilities for ultra-high-precision products in the sub-micron range as well.

Main Equipment and Machinery

- 5-axis NC Lathe: Mori Seiki NT4250 DCG
- CNC Vertical Composite Lathe: Okuma VTM-100
- 5-axis Vertical Machining Center: Yasuda Industries PX30i, Matsuura Machinery MAM72-35V
- Ultra-Precision Gantry Type Surface Grinding Machine: Nagase SGD-2010SLS2B-Zero4
- Rotary Grinding Machine: Nagase RG-700S4-N2
- CNC Composite Cylindrical Grinding Machine: STUDER S31
- Electrical Discharge Machine: Mitsubishi Electric EA28V
- Wire Processing Machine: Mitsubishi Electric MV120R

Company Information

Business: Precision parts processing for semiconductor manufacturing equipment, aerospace and defense equipment parts, food machinery parts, etc.
Location: 822-2 Nishihabu-machi, Matsuyama, Ehime Prefecture, 791-8044
Established: 1977 Capital: 10 million yen Employees: 208 (as of November 1, 2024)
Representative: President Hisamitsu Futagami Tel: 089-971-5501
Offices: Matsuyama City, Ehime Prefecture Metropolitan Area Contact: Sales Department, Shigemune Kawano
Tel: 089-971-5501 Email: soumu@kk-yutaka.co.jp URL: http://www.kk-yutaka.co.jp