

74 COMPANY PROFILE

Takasago Electric, Inc.



Address	66 Kakitsubata, Narumi-cho, Midori-ku, Nagoya, Aichi 458-8522, Japan
Tel	+81-70-6580-2404 (Business Development for Aerospace)
Email	info@takasago-elec.co.jp
Website	https://www.takasago-fluidics.com/
Contact Person	Maito MAKINO (Business Development for Aerospace, R&D engineer)
Capability Category	Valves and pumps. Development, design and manufacture of the following products: <ul style="list-style-type: none"> • Solenoid valves including hydraulic valves, thruster valves, pinch valves, proportional valves, etc. • Check valves • Small liquid pumps and micro pumps • Integrated fluidic systems for space experiments • Precisely machined metallic and plastic parts
Representative	Fluid Control System Company: Koichi Kojima, Future Creation Company: Haruyuki Hiratani
Sales Amount	JPY 4 billion (@FY2022)
Capital	US\$620K (¥145/\$)
Employees	382 (as of Aug, 2023/consolidated)
Established	July 1st 1959
Certification	AS9100/JISQ9100/EN9100, ISO9001
Group Name	Takasago Electric (DBA in US: Takasago Fluidic Systems / TFS)
Major Customers	NASA, JAXA, Tamagawa Seiki Co., Ltd., Mitsubishi Heavy Industry, Tokyo Aircraft Instrument Co., Ltd., ALE Co., Ltd., etc.



■ Business Overview

Takasago has provided more than 10,000 different valves, pumps and other related products for medical, diagnostic and analytical applications over the last 60 years. In the last decade we started our aerospace business that includes hydraulic valves, thruster valves and experimental devices.

■ Products • Materials • Part Sizes • Facilities & Equipment

Products

- > Thruster valves for 2 – 20N class satellite propulsion systems. The smallest weighs only 8g.
- > Ultra-small and ultra-lightweight (1.5g~) valves
- > Check valves
- > Fuel valves
- > Pressure adjustment valves for pilot suits
- > Valves for galley inserts and lavatory systems

Facility & Equipment

- > Processing Machines
 - 5-axis grinding machine (ROKU-ROKU Co., Ltd.), Machining centres (FANUC Corporation), etc.
- > Inspection Machines
 - 3D coordinate measuring machine (Carl Zeiss AG), Gas Leakage tester, Load testing machine
- > Evaluation Equipment
 - 500 – 4500psi hydraulic testing machine (NETUREN HYMEC CO., LTD.)

■ Our Strength

- > High-level quality control capability with 60 years' experience in the medical industry
- > Custom design solution and high-mix low-volume production to meet various customer needs
- > Customization and miniaturization to make a system light-weight
- > Integrated manufacturing management from precision machining, assembly in a clean room to final functional testing.

■ Needs we can correspond / Business partners we want

- We can supply custom-designed valves for hydraulic, ventilation, galley, lavatory and satellite propulsion systems. We can directly correspond to tier 1 – 2 suppliers for such systems.
- We seek European business partners who can assist us with marketing and business development.

■ Office & Plants

- <Japan> Headquarters: Nagoya, Branch Offices: Tokyo, Kyoto
- <U.S.A> TFS U.S. Branch Office : Massachusetts
- <China> Takasago Electric (Suzhou) Co., Ltd: Suzhou
Shenzhen Branch Office : Shenzhen