



株式会社菊池精機

Boltless CubeSat Structures (Kikuchiseiki, KIKUCHI SEIKI)

Japan · founded 1961 · kikuchiseiki.com/en

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newspacemarket.com/companies/boltless-cubesat-structures-kikuchiseiki-kikuchi-seiki/

as of 20 August
2026

Boltless CubeSat Structures (Kikuchiseiki, KIKUCHI SEIKI)

Kikuchi Seiki specializes in high-precision component processing, offering a range of metalworking services. These services include sheet metal fabrication, machining, surface treatment, assembly, and precision adjustments. They utilize large five-face machining and large-scale turning centers. The company provides end-to-end services, including complete turnkey products. Kikuchi Seiki can cater to small-batch productions of diverse products and is equipped to handle projects with short deadlines. The company was founded on January 20, 1961, by Torimatsu Kikuchi. In June 1979, the company name was changed to Kikuchi Seiki Co., Ltd. They completed a second factory in December 1983, establishing a production system capable of delivering finished products from machining to surface treatment, unit assembly, and final assembly. In May 1995, the Mukaiyama factory was newly built and equipment was consolidated. In February 2006, a surface plate and welding machine were introduced to the second factory, operating as a can manufacturing factory. In July 2007, a large-scale machining factory was completed, transitioning to full-scale processing of large mechanical parts. In August 2016, the Mukaiyama factory obtained JIS Q 9100 certification for "machining of forged parts for aircraft engines." The company is located in Ibaraki prefecture.

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SERVICES

Services

Complete Turnkey Products

The company provides comprehensive in-house support for complete turnkey products, managing all processes from metalworking to assembly and procurement, including drawing and 3D modeling.

End-to-end metalworking services

The company offers comprehensive metalworking services, including sheet metal fabrication, machining, surface treatment, assembly, and precision adjustments, leveraging diverse machinery and expertise

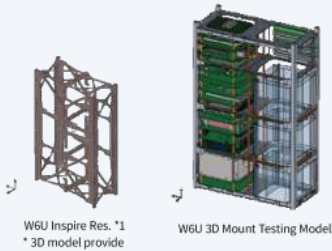
Fabrication Services

The company offers fabrication services for machined products, specializing in small-batch production with variations, focusing on efficiency, processing sequences, and quality control.

Machining Expertise and Consultation

The company offers machining expertise, including optimizing tool selection, designing special cutting tools, and leveraging lathe machining technology, and can work with customers on projects.

Product catalogue



BOLTLESS CUBESAT STRUCTURES (KIKUCHISEIKI, KIKUCHI SEIKI)

CubeSat Structures (Boltless Structure)

Kikuchi Seiki offers CubeSat structures, including a unique boltless design, along with development and machining services for space applications.

Structure Type	Boltless Structure
Fastening	No Fastening
Performance and Reliability	Ensured High Performance and Reliabilities for Space Applications
Precision of Rails	50 μm (for 3U and 6U)

price on request

Contact Boltless CubeSat Structures (Kikuchiseiki, KIKUCHI SEIKI)

Open the company profile on NewSpace Market to see full specifications and datasheets, and to send a request for quotation that reaches the manufacturer directly.

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