

67 COMPANY PROFILE

SINFONIA TECHNOLOGY CO., LTD.



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Website	https://www.sinfo-t.jp/eng/index_a.htm
Contact Person	Aerospace Systems Sales Department Ms. Ryoko Fujio
Capability Category	①Electrical Component for Aerospace <ul style="list-style-type: none"> •Generator Systems •Actuation Systems •Motors&Controllers ②Test Bench <ul style="list-style-type: none"> •Dynamometer •Battery Simulator •Inverter Load Simulator
Representative	Shinichi Hirano
Sales Amount	¥108,800 million
Capital	¥10,156 million
Employees	3,700
Established	August, 1949
Certification	JIS Q 9100,ISO27001 :JIS Q 27001,ISO14001 :JIS Q 14001
Group Name	ICS Co., Ltd., SINFONIA ENGINEERING CO., LTD.
Major Customers	MHI, KHI, IHI Aerospace

■ Business Overview

Sinfonia developed windmill-type generator for aircraft in 1929 and has been contributing to the aerospace industry for more than 100 years with motion control technology and small/light, high precision, environmentally resistant products. We have 100% share in JMoD domestic aircraft generator system. For Test Bench, in response to the trend of electrification of various types of mobility, Sinfonia supports advanced development by providing a large number of high-speed dynamometers, powertrain test equipment, and high-voltage battery simulators that utilize high-speed rotation, ultra-low inertia, and high-precision control technology. In particular, we have the No. 1 market share in Japan for dynamometers used to evaluate automobile traction motor.

■ Products • Materials • Part Sizes • Facilities & Equipment

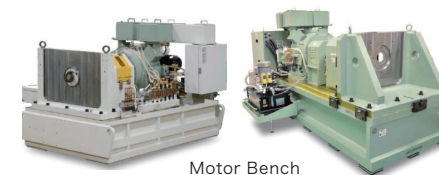
High Power Density Motor for Electrified Aircraft Propulsion
 Output:500kW Density:5kW/kg Torque:2,513Nm(@1,900rpm)
 Input Voltage:750-100V
 Large-capacity/Ultra-high-speed Dynamometer
 Output:300kW Torque:500Nm Speed:25,000rpm
 Output:400kW Torque:700Nm Speed:20,000rpm
 High-voltage/Large-current Battery Simulator
 Output:700kW Input Voltage:1000V 1000A
 Output:1050kW Input Voltage:1000V 1500A
 Inverter Load Simulator
 Up to 1200Hz, Up to 585Vrms, Up to 400Arms



Generator System



High Power Density Motor

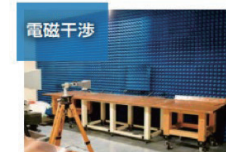


Motor Bench

■ Our Strength

- Provide custom designs according to each customer's needs
- Propose as a system including controllers and software
- Integrated production system from design, manufacturing, evaluation, to quality assurance.
- Able to do environmental tests such as temperature, altitude, vibration, and EMI in-house

<Facilities>



EMI



Combined Environmental Test

■ Needs we can correspond / Business partners we want

Sinfonia would propose Electrical Components and Test Benches that evaluate high efficiency motors and inverters for next generation aircraft such as Electrified and Hydrogen Aircraft.

■ Office & Plants

Headquarter :Tokyo
 Office :Tokyo, Nagoya, Osaka
 Plants :Toyohashi, Ise