

# SINFONIA TECHNOLOGY CO., LTD.



<b>Address</b>	Meieki Daiya Meitetsu Bldg.,1-1-17, Meieki, Nishi-ku, Nagoya, aichi 451-0045, JAPAN
<b>Tel</b>	+81-52-581-9726
<b>Email</b>	fujio-ryoko@sinfo-t.jp
<b>Website</b>	https://www.sinfo-t.jp/eng/index_a.htm
<b>Contact Person</b>	Nagoya Aerospace Systems Sales Department Ms. Ryoko Fujio
<b>Capability Category</b>	①Electrical Component for Aerospace •Generator Systems •Actuation Systems •Motors & Controllers ②Test Bench •Dynamometer •Battery Simulator •Inverter Load Simulator
<b>Representative</b>	Shinichi Hirano
<b>Sales Amount</b>	¥94,500million
<b>Capital</b>	¥10,156million
<b>Employees</b>	3,700
<b>Established</b>	August, 1949
<b>Certification</b>	JIS Q 9100, ISO27001 : JIS Q 27001, ISO14001 : JIS Q 14001
<b>Group Name</b>	ICS Co., Ltd., SINFONIA ENGINEERING CO., LTD.
<b>Major Customers</b>	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

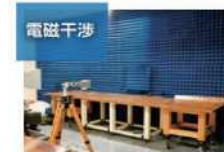


Motor Bench

## 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  
Plants : Toyohashi, Ise