

THE HEART OF JAPANESE AEROSPACE



AICHI-NAGOYA AEROSPACE CONSORTIUM

ENGLISH



© Boeing

THE HEART OF JAPANESE AEROSPACE

Aichi Prefecture is located in the central part of Japan, with a population of 7.5M centered around Nagoya City. The area boasts a GDP of 283B \$, which is an economic scale equivalent to several countries in the world. Aichi Prefecture is the No.1 aerospace industrial region in Japan where the development and production of fuselage and wings of Boeing passenger jets, aircraft engines and Japanese flagship rockets, etc. are actively carried out. In addition, some companies including startups are working on the development of next-generation air mobility technologies such as eVTOL and suborbital spaceplane.

Furthermore, Aichi Prefecture is one of the world's leading industrial manufacturing regions where various industries thrive. Many global manufacturers in automotive and machine tooling such as Toyota Motor Corporation, DENSO, AISIN, OKUMA, DMG MORI and Mazak are headquartered in Aichi Prefecture.

AICHI-NAGOYA AEROSPACE CONSORTIUM

ANAC strives for comprehensive development of the aerospace industry in Aichi Prefecture via collaboration by all sectors of the aerospace industry, such as The Aichi Prefectural Government, The City of Nagoya, local government organizations, support organizations, industry organizations and universities. Our consortium promotes the aerospace industry through various activities, such as forums, networking events, exhibiting, matchmaking, human resource development, consulting programs by various experts and support for R&D. We serve as a bridge to facilitate international business relations by collaborating with foreign government organizations and aerospace specific clusters.

ANAC strives to bring together the capabilities of Aichi with the global community to create a brighter future for Aerospace.



AICHI PREFECTURAL GOVERNMENT



CITY OF NAGOYA

C-ASTEC

Central Japan Aerospace
Industrial Technology Center



AICHI INDUSTRY PROMOTION ORGANIZATION



Nagoya Industries Promotion Corporation



Chubu Bureau of Economy, Trade and Industry



Komaki City



Nagoya Chamber of Commerce & Industry

JETRO

Japan External Trade Organization (JETRO)
JETRO NAGOYA



Greater Nagoya Initiative Center



名古屋大学




中部大学



愛知県立大学
Aichi Prefectural University

OVERVIEW

GDP  Comparable to several countries in the world
\$283 billion

Turnover  **\$314 billion**
 for 44 consecutive years

Population  Estimate **7.5 million**

Universities  **52**


Companies  **209,483**

AICHI
NAGOYA CITY

Export  **\$155 billion**
 in Nagoya Customs





Employees  **4,3 million**

Turnover of main industries

Automotive 	TOYOTA DENSO AISIN MITSUBISHI MOTORS	 No.1	\$173 billion
Material 	Metal Rubber Plastic	 No.1	\$29.5 billion
Production machinery/Robotics 	Yamazaki Mazak OKUMA DMG MORI JTEKT	 No.1	\$14.6 billion

AEROSPACE

Aerospace Industry in the Chubu Area centered on Aichi Prefecture

Turnover \$3.0 billion	Domestic share of Turnover  45.7%	B787  almost 35% of B787 body parts production
 171 Companies	 9,706 Employees	

01 COMPANY PROFILE

AERO INC. (Aero Group)



Address	2-65-27 Kusunoki, Yatomi, Aichi 498-0066, Japan
Tel	+81-567-66-3501
Email	soumu@aeross.jp
Website	http://www.aeross.jp/
Contact Person	Yusuke Takami Marketing and Sales promotion Office
Capability Category	Assembly, Sub-Assembly Part Machining (Airframe) Tooling, Jigs, GSE Engineering/Design Others
Representative	Noriharu Nishimura
Sales Amount	4M USD
Capital	US\$208,333
Employees	176
Established	Oct-97
Certification	JIS Q 9100
Group Name	AERO GROUP
Major Customers	MHI, Subaru, Shinmaywa, KHI, Pratt & Whitney



■ Business Overview

- Major Assembly
- Supply Chain Solutions
- MRO Consumables Trading
- Custom Industrial Equipment

■ Products • Materials • Part Sizes • Facilities & Equipment

- B787, 777, 767
- Shinmaywa US-2
- SH/UH
- Military

■ Our Strength

- Assembly integration
- Rigging
- Tooling Design
- Aircraft parts assembly painting

■ Needs we can correspond / Business partners we want

- Major assembly packages
- Supply chain solutions

■ Office & Plants

HQ Yatomi Plant

High quality, perfect delivery, stable, cost competitive.
We are next generation Japanese manufacturing.

02 COMPANY PROFILE

Aomi Precision Co., Ltd.  **AOMI**
Precision Co., Ltd.

Address	1-2-28, Mitocho, Miyukihama, Toyokawa-shi, Aichi 441-0314, Japan
Tel	0533-75-6762
Email	matsubara@aomi-ss.jp
Website	https://www.aomi-ss.jp/
Contact Person	Fumitaka Matsubara
Capability Category	Precision machining
Representative	Tsuyoshi Aomi
Capital	10 million
Employees	129
Established	January 10, 1992
Certification	ISO9001, ISO14001, ISO13485 March 2024 JIS Q 9100 scheduled to be acquired

■ Business Overview

We make full use of various high-precision equipment such as lathes, machining, grinding, electric discharge, and lasers, and work on high-precision manufacturing every day. We can also create tools in-house, so we are good at responding to short delivery times. If you have a processed product that has been difficult so far, please let us try.

■ Products • Materials • Part Sizes • Facilities & Equipment

Medical Related Parts, Automotive Parts, Semiconductor Components, Optical Equipment Related Components, etc.

■ Our Strength

Ultra-fine Machining, Quick delivery, Precision measurement

■ Needs we can correspond / Business partners we want

Since we specialize in process design and high-precision processing of high-precision parts, we would like to do business with customers who are involved in prototype development. We will propose new manufacturing instead of conventional manufacturing.

■ Office & Plants

Niigata (Head office&Factory) , Aichi (Central office&Factory)

03 COMPANY PROFILE

ATSUTAKIGYO CO., LTD



Address	4-1-1 Fukufune-cho, Nakagawa-ku, Nagoya, Aichi 454-0836, Japan
Tel	+81-52-355-8038
Email	businessdepartment@atsuta-kigyo.co.jp
Website	http://atsuta-kigyo.co.jp
Contact Person	Masayuki Nakashima (Representative Director) Takuto Mizuno
Capability Category	Aerospace parts manufacturing · Production of prototypes and development products · Part Processing (Airframe) · Tooling,Jigs · 3D Printer Products Processing
Representative	Masayuki Nakashima
Sales Amount	600 million yen
Capital	15 million yen
Employees	36
Established	1956
Certification	JISQ9100:2016, MSJ4000
Major Customers	Mitsubishi Heavy Industries,Ltd Aoyama Seisakusho Co.,Ltd, Noritake Co.,Ltd JAXA(Japan Aerospace Exploration Agency)

■ Business Overview

We are good at processing difficult-to-cut materials such as inconel,titanium etc. We promoted the factory's IoT system and linked the in-house LAN and the machine tool to construct a monitoring, maintenance and analysis system. We will establish the best mix of the latest technology and traditional technology, respond quickly to high-mix low-volume production and meet customer needs.

■ Products • Materials • Part Sizes • Facilities & Equipment

【Products】 Aerospace parts manufacturing

【Materials】 · Difficult to cut materials such as inconel, titanium, Hastelloy, Waspaloy, stainless etc · Aluminium(A5052, A7075) · Steel (S45C, SCM435)

· Other (teel, copper, magnesium, aluminum bronze, etc.)

· AMS Standard (AMS5643, AMS5659, AMS5662, AMS4050, etc.)

· Materials for forging and casting

【Part Size】

· Machining Centers 15,500x4,700x3,500mm

· Lathes Φ 1,050x3,000mm

· Turning Centers Φ 3,500x2,000mm

· 3D Printer 2,500x1,300x2,190mm

【Main Facilities&Equipment】 OKUMA MU-8000V-L (P) 5-Axis Multitasking Machining Centers(Φ 1000xH550), OKUMA MULTUS B300 II Multitasking Machines (Max Turning dia Φ 630mm, Max work length 900mm)

OKUMA LB4000EX II L-M NC Lathes (Φ 480x750L)

OKUMA LB3000EX II MY NC Lathes (Φ 340x450L)

Makino Milling Machine a 51nx 4-Axis Machining Centers (560x640x640mm)

Mitutoyo CRYSTA-Apex S9106 CNC Coordinate Measuring Machines(905x1005x605)

Mitutoyo SV-C3200 Surface Roughness/Contour Measurement Formtracer Extream

■ Our Strength

1) In strategy cooperation with partner companies, we also try integrated production with added value such as assembly, welding, sheet metal, special cleaning.

2) 3D Printer Products Processing

3)We have 66years of knowledge in aerospace equipment manufacturing

4) We can respond quickly even with high-mix low-volume production, meeting customer needs with IoT systems.

■ Needs we can correspond / Business partners we want

1) In strategy cooperation with partner companies,we also try integrated production with added value such as assembly,welding,sheet metal,special cleaning.

2) Multiple process control is possible

3) 3D Printer Products Processing.

4) We can respond quickly even with high-mix low-volume production, meeting customer needs.

5) We are good at processing difficult to cut materials such as inconel,titanium etc.

■ Office & Plants

4-1-1,Fukufune-cho,Nakagawa-ku,Nagoya,Aichi,Japan

04 COMPANY PROFILE

Chubu Trading



Address	5-1003 Shimoshidami, Moriyama-ku, Nagoya
Tel	052-736-0512
Email	chubushoji1070@outlook.jp
Contact Person	Tomonobu Ito
Capability Category	resource consultant
Representative	Tomonobu Ito

■ Business Overview

We are working on the theme of metal resource circulation and the possibility of agriculture and food.

While dismantling rocket engine parts, turbines for power generation, and other ancillary equipment and recycling at subcontracted factories, we conduct raw material concentration research and resource consulting services for nickel alloys.

We are proceeding with a concept plan for a space plantation.

■ Products • Materials • Part Sizes • Facilities & Equipment

Scrap of aerospace engines and power generation turbines.

Carrying-out, dismantling and recycling of the scraps of ancillary equipment.

Aerospace parts scrap containing metal resources.

■ Our Strength

We dismantle products in a factory environment that ensures safety and confidentiality, and provide traceable recycling services.

Concentration research on raw materials with low concentrations of valuable elements, simplification of existing material flows, and labor-saving support and engineering.

■ Needs we can correspond / Business partners we want

Do you use similar resource recycling services at your domestic or overseas manufacturing research bases? Or do you have a positive idea about new resource circulation and are looking for new cooperative companies?

05 COMPANY PROFILE

CHUO ENGINEERING

CHUO ENGINEERING



Address	Nitta Building, 1-17-23 Meieki-minami, Nakamura-ku, Nagoya, Aichi, 450-0003, Japan
Tel	+81-52-611-2919
Email	contact@chuo-eng.co.jp
Website	https://www.chuo-eng.co.jp/
Contact Person	Naoji Ishino Executive Officer, General Manager of Aerospace Division
Capability Category	<ul style="list-style-type: none"> Design, development testing and operation & maintenance of aerospace instruments and devices Design and development of automotive devices
Representative	Yutaka Ishida, CEO & President
Sales Amount	5 billion yen
Capital	116 million yen (Capital reserve is included)
Employees	557
Established	September 1955
Certification	JIS Q9100, ISO9001
Major Customers	MHI group, KHI group, IHI group, JAXA BOSCH group, HONDA group, Fujitsu group, SONY group, Canon group, Daifuku group, Murata Machinery group, HITACHI group

■ Business Overview

Our business is focused primarily on the design and analysis of Aircraft, Aero Engines and Aerospace Equipment. Especially Analysis and Additive Manufacturing field, our technicians meet your demand with rich experience and skills. We also provide the design and manufacture of Test Equipment at the R&D Center.

■ Products • Materials • Part Sizes • Facilities & Equipment

•Product & Services

Design Engineering : Structure, Equipment and Jigs
 Analysis Engineering : Strength Analysis, Vibration Analysis, Motion Analysis, Thermal Analysis, Fluid Analysis and Optimization
 R&D : Test Equipment

Additive Manufacturing : Design for Additive Manufacturing, Manufacturing Prototype, Machining, and Evaluation

Design Tools

CAD : CATIA V4 V5, CREO, Unigraphics NX-2, Solid Works, AUTO CAD, MICRO CAD
 Analysis : Abaqus, Nastran, HyperWorks, Patran, Femap, ADAMS, Marc, Fluent, NASGRO

•Additive Manufacturing Facilities (Partner Company)

3D Printer : EOS M290, M400-4 (250mm×250mm×325mm, 400mm×400mm×400mm)
 Materials : Aluminium, Steel, Maraging Steel, Cobalt Chrome, Nickel Alloy, Titanium, Stainless, Invar, CuCr, Others



■ Our Strength

- We are strong in the field of structural analysis. We are particularly good at creating new structures and shapes using topology optimization.
- We are strong in Additive Manufacturing Engineering. We can support the whole process from selection of parts suitable for Additive Manufacturing to design proposal of new shape using topology optimization, and prototype manufacturing and evaluation.



■ Needs we can correspond / Business partners we want

- Customers who want Design and Analysis for Product Integration.
- Customers who want Product Weight Saving.
- Customers who want Additive Manufacturing Engineering Solutions.
- Customers who want Design and Manufacture prototype by Additive Manufacturing.

■ Office & Plants

- Head Office (Tokyo) • Design Center (Utsunomiya, Yokohama, Nagoya, Komaki, Fukuoka)
- R&D Center (Komaki) • Training Center (Nagoya)

06 COMPANY PROFILE

Daido Steel Co., Ltd. 大同特殊鋼

Address	1-10, Higashisakura 1-chome, Higashi-ku, Nagoya, Aichi 461-8581, Japan
Tel	81-52-963-7501
Email	forging@ask.daido.co.jp
Website	https://www.daido.co.jp/en/index.html
Contact Person	FABRICATED MATERIALS DIV. AEROSPACE MATERIALS, GLOBAL MARKETING & SALES DEPT. AEROSPACE MATERIALS SECT.
Capability Category	Open die forging (parts for boats and ships, industrial machines, heavy electric machines, steel making equipment, chemical equipment, oil drilling rigs, and spacecraft and aircraft)
Representative	Tetsuya Shimizu
Sales Amount	¥578,564 million FY2022
Capital	¥37,172 million
Employees	12,422(consolidated)
Established	Founded in August 19, 1916
Certification	JIS Q 9100:2016(AS9100/EN9100), Nadcap etc.
Group Name	DAIDO Steel Group Europe GmbH, Daido Steel(America) Inc.
Major Customers	GE Aviation, Pratt & Whitney, Rolls Royce(Aerospace)

■ Business Overview

Daido Steel is the specialty steel manufacturer has a HQ in Nagoya, Japan. We address strict control from the raw materials to the manufacturing process via a thorough quality assurance system. In addition, our aerospace technology grew to the level of world recognition by supplying materials for heat-resistant materials to domestic and overseas manufacturers.

■ Products • Materials • Part Sizes • Facilities & Equipment

Stainless, Superalloys, Titaniums we can provide on your demand. Applicable on AMS Grade.

- Stainless Steel: 15-5(AMS5659), 17-4(AMS5643), SUS321(AMS5645)
- Superalloys: Alloy718(AMS5662/AMS5663), Alloy625(AMS5666), Alloy WA(AMS5706)
- Titaniums: Ti-6Al-4V(AMS4928), DAT54(AMS6952TM)

■ Our Strength

Integrated Manufacturing Process (from melting to final machining) is our key strength to work with the customer's worldwide.

■ Needs we can correspond / Business partners we want

We do facing customer's problems and sincerely work with the customer to solve them.

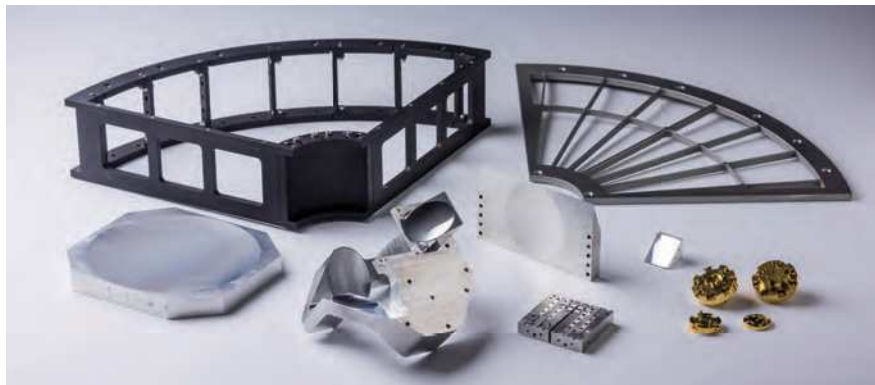
If you have any problems with specialty steels, please ask us.

■ Office & Plants

- Offices
HQ(Nagoya), Tokyo-HQ, Osaka, Fukuoka
- Facility
Chita (Tokai-Nagoya), Hoshizaki(Nagoya), Shibukawa(Gumma) etc.
13 facilities
- R&D
R&D(Nagoya), Technology center(Nakatsugawa-Gifu)

07 COMPANY PROFILE

Gamagori Seisakusho Co.,Ltd.



Address	28-10, Miyukicho, Gamagori, Aichi 443-0042, Japan
Tel	+81-533-68-1155
Email	ito@gamasei.co.jp
Website	https://www.gamasei.co.jp/english/
Contact Person	Representative Toshihiro Ito
Capability Category	High-mix low-volume precision process of office automation equipment, optical equipment, medical equipment, semiconductor related equipment, measuring instruments, fuel battery, optical communication, robotics and aerospace, and prototyping and jig production
Representative	Toshihiro Ito
Sales Amount	150,000,000JPY
Capital	23,000,000JPY
Employees	12
Established	7/1/1954
Certification	ISO9001 :2015
Major Customers	Aichitokeidenki Co.,Ltd., Kowa Company,.Ltd., Nissinbo Chemical Inc., National Astronomical Observatory of Japan, The University of Tokyo, Nagoya University, Institute for Molecular Science of National Institute of Science, etc.

■ Business Overview

Over 65 years, we have been doing high-mix low-volume aluminum parts production since the establishment of our company. We have ideas as many as mistakes we have made in the past. We tackle challenging tasks with our technological strength and know-how we cultivated from our years of experience. We keep challenging new process as well as materials and provide solution to our customers by proposing VA and VE.

■ Products • Materials • Part Sizes • Facilities & Equipment

Material size: X850mmxY450mmxZ200mm
Machining parts of all Aluminum, Titanium, Stainless etc.
Vertical machining centers, horizontal machining centers, NC milling, NC lathe, EDM machine, surface grinding machine, general-purpose milling machine, general-purpose lathe.
3-D measurement machine, roughness measurement machine and digital microscope stored in the temperature controlled room.

■ Our Strength

60% of our work is in areas where require state of the art technological strength such area as aerospace, fuel battery, medical equipment and humanoid robot. We try to contribute to the society by challenging high-value added works. In the last 10 years, we are also challenging fine precision processes in different machining such as drilling and slotting with a tool of $\phi 0.1$ mm diameter or less.

■ Needs we can correspond / Business partners we want

Have you had trouble finding companies who can fulfill your demand? We are not perfect, however, we will try to solve your problems with our years of experience and knowledge. We also accept trial if in case the task is worth challenging for ourselves. Moreover, our network will help finding your solution even we could not solve the task internally.

■ Office & Plants

28-10, Miyuki-cho, Gamagori, Aichi-pref Japan

08 COMPANY PROFILE

HODEN SEIMITSU KAKO KENKYUSHO CO., LTD.



Address	6255-1 Okusa-Nenjozaka, Komaki, Aichi 485-0802, Japan
Tel	+81-568-47-1257
Mobile	+81-80-7833-6032
Email	info@hsk.co.jp
Website	https://www.hsk.co.jp
Contact Person	Shuichi Osako Aero Engine Division Project Manager
Capability Category	Integrated processing of aerospace engine parts, electrical discharge machining, thermal spraying, heat treating, coating, non-destructive testing
Representative	Chikara Murata, President & Chief Executive Officer
Sales Amount	JPN 11.6 billion
Capital	JPY 889 million (USD 8.1 million)
Employees	554(as in February 2023)
Established	December 21, 1961
Certification	ISO9001, JISQ9100, Nadcap(HT,CT,CP,NM,WLD,NDT), NAS410/EN4179(PT Level3), Rolls Royce(SABRe,CT,HT,PT Level3), Pratt & Whitney (CT,HT,PT Level3)
Major Customers	MHI, MHIAEL, KHI, IHI, Mitsubishi Power, DENSO, HONDA, HITACHI

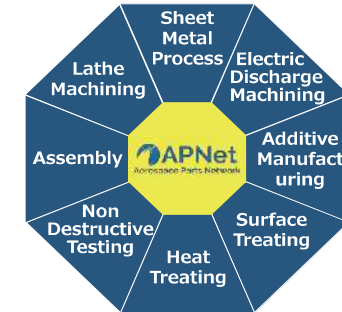
Business Overview

HSK has been accumulating and developing aerospace component manufacturing technologies for about 60 years, focusing on special processes such as electric discharge machining, surface treatment, and non-destructive testing, and currently manufacturing turbine blades and compressor parts of Trent XWB engine for Airbus A350 and combustor parts of PW1100G engine for Airbus A320neo.



Products • Materials • Part Sizes • Facilities & Equipment

Product	Part	Material
Aircraft Component	■ Frame ■ Beam ■ Fitting ■ Hub	■ Aluminum ■ Titanium ■ Stainless ■ Others
	Aero Engine Parts	■ Inconel ■ Hastelloy ■ Titanium ■ Stainless ■ Others
Rocket Engine Parts	■ Nozzle Skirt ■ Injector	■ Inconel ■ Hastelloy ■ Titanium ■ Stainless ■ Others
Missile Component	■ Wing ■ Hub ■ Plate	■ Aluminum ■ Titanium ■ Stainless ■ Others



Blade process line



Plasma spraying



Heat treating



Non destructive test

Our Strength

HSK has Nadcap international certifications for aerospace parts manufacturing such as heat treating, thermal spraying, coating, EDM, welding, and NDT. HSK provides the one-stop solution for the integrated production from material procurement to parts processing and quality assurance, including special processes.

Needs we can correspond / Business partners we want

HSK has established APNet, an aerospace parts network in 2020, cooperated with many suppliers. By integrating the technologies of these suppliers, we can realize the further one-stop solutions, reduce costs, shorten delivery time, and ensure the quality of our products. In addition, HSK provides the training services to acquire non-destructive testing qualifications, and contributes to the development of the aerospace industry.



Office & Plants

Aero Engine Division

- Komaki Plant : 6255-1 Okusa-Nenjozaka, Komaki-shi, Aichi, 485-0802, Japan
- Nagoya Plant : 6-783, Sakashita-cho, Kasugai-shi, Aichi, 480-0305, Japan
- Kasugai Plant : 3-5-9, Ueno-cho, Kasugai-shi, Aichi, 480-0306, Japan

09 COMPANY PROFILE

IKEX Industry Co., Ltd.

Address	1-3-1 Miyuki, Kasugai, Aichi 486-8567, Japan
Tel	+81-568-33-4111
Email	sei-watanabe@ikex.co.jp
Website	https://www.ikex.co.jp/en/
Contact Person	Seiichi Watanabe Chief Manager , Sales Section
Capability Category	Tools, Jigs, Molds, Design, Engineering, Measurement
Representative	Hisamitsu Ikegami
Sales Amount	JPY 4.8 billion (Aircraft related: JPY 90 million)
Capital	JPY 70 million
Employees	230
Established	May 1965
Certification	AS9100, ISO9001, ISO14001, ISO45001
Major Customers	SUBARU CORPORATION ShinMaywa Industries,Ltd. Kawasaki Heavy Industries, Ltd. LA composite,s.r.o Korean Air Lines Co., Ltd. DongHwa A.C.M. Co., Ltd. Aerospace Industrial Development Corporation



■ Business Overview

- We offer service from design to production of composite lay-up tools by using Nickel electroforming technology.
- We offer better tools/jig manufacturing solutions by selecting the tool/jig manufacturing material according to the application.
- We also offer steel,aluminum,invar and resin tools.

■ Products • Materials • Part Sizes • Facilities & Equipment

- Products:
Aircraft Composite Autoclave Lay-up Tools (Tail, Radome, Wing, Cockpit parts, etc)
- Materials • Corresponding size
Main : Nickel, Aluminum, Steel, Inver, Resin
Size : MAX 6m×4m×1.2m
- Main equipment
Maximum Nickel electroforming apparatus (60,000) Others:dozens of tanks
Five surface processing machine (Mistubishi MVR-40)
Work surface size : 8m×3m Others:several machines
Laser welding machine
Laser tracker (AT960-MR, T-Probe II)

■ Our Strength

- We provide lay-up tools for autoclave molding of composite parts by using Nickel electroforming technology. We offer service from the early development stage to after-sales service because we can handle from CATIA modeling design to tool leak check in-house.
- The merits of the Nickel electroforming lay-up tool are as follows:
- Comparing to the usual aluminum,invar and resin molds, the Nickel autoclave lay-up tool can be adjusted by spring-in and spring-out because its overall surface thickness is 4 ~ 5mm.
 - Comparing to other materials autoclave lay-up tools,the temperature distribution in the autoclave is better because of the constant thickness tool surface.
 - Lighter than invar tool.
 - Longer life than resin tool.
 - Nickel electroforming can be processed into the shapes that can not be processed by machining.

■ Needs we can correspond / Business partners we want

- ① We provide autoclave lay-up tools for manufacturing composite parts.
- ② We offer service from the tool design to manufacturing according to customer's needs.
- ③ We are looking for composite material molding companies or the company which has a composite material molding demand.

■ Office & Plants

Main Plant, Electroforming Plant, No.2 Plant, No.3 Plant, Seki Plant

10 COMPANY PROFILE

Ise-Kogyo

Address	190-1 Matoba, Akamatsu-cho. Anjo-shi, Aichi
Tel	0566-73-8661
Email	naitou@ise-kogyo.co.jp
Website	https://ise-kogyo.co.jp
Contact Person	Takayuki Naito
Capability Category	manufacturing
Representative	Shinkichi Akiba
Sales Amount	JPY 65 million
Capital	JPY 12 million
Employees	70
Established	June, 1979
Certification	ISO9001 / MSJ4000
Group Name	Ise Kogyo Co., Ltd
Major Customers	Mitsubishi Heavy Industries, Ltd. Futaba Industrial Co., LTD. Aisin Takaoka Mexico, S. A. DE C.V.

■ Business Overview

We are in manufacturing industry, making prototypes based on the drawings we receive, and producing the first batch. We design molds and jigs, manufacture parts, and weld in-house.

■ Products • Materials • Part Sizes • Facilities & Equipment

- Piping within the scope of MSJ4000 certification, mufflers, exhaust manifolds and jigs within the scope of ISO certification
- JIS Q 9100 (scheduled to be acquired for piping processing in November 2024)
- Iron, Stainless Steel, Aluminum
- The muffler supports a length of 3000 mm
- Machining • 25 type to 120 type bender • Welding Machine

■ Our Strength

One of our strengths is that we consistently perform in-house production of molds and jigs used in-house, bending of pipes, production of sheet metal parts, and welding assembly. We are especially good at bending pipes.

■ Needs we can correspond / Business partners we want

We can handle bending prototypes, requests for initial products, manufacturing of jigs, and welding. Currently, there are many auto-mobile-related products, and we are doing business with Mitsubishi Heavy Industries in the space field, but if there is demand from other heavy industries, we would like to talk to you.

■ Office & Plants

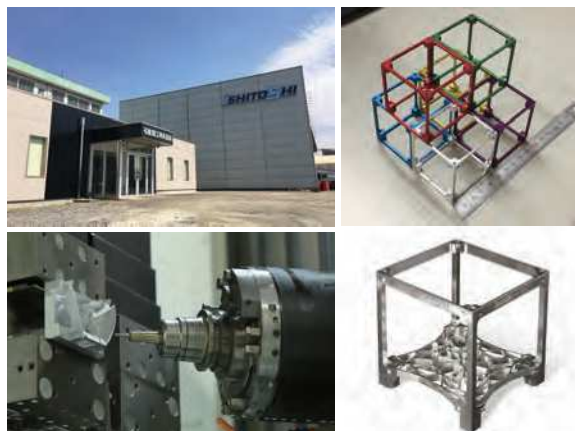
Ogakie Kogyo

11 COMPANY PROFILE

Ishitoshi Machining Inc.



Address	5-17, Suma-machi, Hekinan, Aichi 447-0854, Japan
Tel	+81-566-41-1868
Email	support@ishitoshi.co.jp
Website	http://www.ishitoshi.co.jp/
Contact Person	Mitsuyoshi Ishikawa
Capability Category	Processing of components Aerospace Automotive Semiconductor manufacturing equipment
Representative	Mitsuyoshi Ishikawa
Capital	10 million yen
Employees	18
Established	1976
Certification	JIS Q 9100:2016



■ Business Overview

- Design and manufacture of molds and hydraulic press device
- Production of parts without drawings by reverse engineering
- Processing of prototype parts for automotive, semiconductor manufacturing equipment

We started development of originally CubeSat Structure from 2017.

■ Products • Materials • Part Sizes • Facilities & Equipment

Products

CubeSat Structure/Prototype parts for Automotive

Materials

Aluminum, Special steel, Stainless steel, Cast material, Resin, Polystyrene foam, Magnesium alloy

Parts size

600*600*800 (mm)

Facility&Equipment

Vertical Machining Center, Horizontal Machining Center, NC Lathe
Wire Electric Discharge Machine, 5-axis Machining Center, CMM

■ Our Strength

- Respond the quotation within 24 hours
- Production system of high quality and short delivery time
- Machining of thin-walled shapes is our strong field
- In-house manufacturing rate is over 90%

■ Needs we can correspond / Business partners we want

Be able to flexibly cope with budget request and uses

■ Office & Plants

HEAD OFFICE: 5-17, Suma-machi, Hekinan, Aichi 447-0854, Japan

12 COMPANY PROFILE

KAGA SANGYO CO., LTD. KAGA

Address	1-8-7 Shirakane, Showa-ku, Nagoya, Aichi 466-0058, Japan
Tel	+81-52-241-7131
Mobile	+81-90-1287-3934
Email	kg-sales@kagasangyo.co.jp
Website	https://www.kagasangyo.co.jp/en/
Contact Person	Yoshiaki Asano Project Planning & Development Department, Section Manager
Capability Category	Assembly, Sub-Assembly for aircraft parts Functional Component, Equipment Part Machining (Airframe) Sheet metal Forming Special Process Tooling, Jigs, GSE Engineering/Design
Representative	Osamu Mizoguchi
Sales Amount	US\$ 45.900K (100 JPY/ 1 USD)
Capital	US\$ 100K (100 JPY/ 1 USD)
Employees	113 Employees
Established	1973/9/11
Certification	JIS Q 9100 & JIS Q 9001 MHI: MSJ4000/MS84001 KHI: KQMS-7100 SUBARU: FASOP-Q-009
Group Name	KAGA WORKS Co.,Ltd. SAM Corporation
Major Customers	Mitsubishi Heavy Industries, Ltd. Kawasaki Heavy Industries, Ltd. Subaru Corporation Mitsubishi Aircraft Corporation Toyota Boshoku Corporation

■ Business Overview

KAGA cluster is composed of more than 150 domestic suppliers managed by us. The KAGA cluster had been established to supply parts and assemblies for commercial aircraft, spacecraft and models for military products. We can provide services from the designing process to delivery implementing top quality assurance.

■ Products • Materials • Part Sizes • Facilities & Equipment

Products: Commercial aircraft components/Military products

Materials: Metal(Al,Steel,Ti,etc)/Nonmetal(resin, cloth, chemicals)

Parts size: Max:9-10m

Facility: 3-axis/4-axis/5-axis/bending machine/turret punch-press/injection molding machine/vacuum forming machine/etc.

■ Our Strength

Our company can handle full-turn-key orders for aerospace products even including special processes. Also, we have the capability to design and develop new products according to the customers' requests. We develop our own technology and register patents. For example: The removal of air bubbles from sealants for lighting resistance inside the aircraft fuel tank.

■ Needs we can correspond / Business partners we want

- Integrated production and parts production with metals, resin, etc., including sub-assemblies of aircraft structures
- Niche products, product R&D, and emergency products
- Our company would like to have transactions with the Prime manufacturers and the tier-1suppliers.

■ Office & Plants

Head Office: 1-8-7, Shirakane, Showa-ku, Nagoya-shi, Aichi
Gifu Branch: 1-77, Unumakoigi-cho, Kakamigahara-shi, Gifu
Komatsu Branch: 51 Bungyomachi, Kaga-shi, Ishikawa
Materials Center: 3-21 Kajigaishiki Nishi, Kitanagoya-shi, Aichi
SHIM Center: 10 Oye-cho, Minato-ku, Nagoya-shi, Aichi
(Mitsubishi Heavy Industries Ltd., Nagoya Aerospace Systems, Works Composite, Wing Center Fabrication Factory)

13 COMPANY PROFILE

Kinoshita Precision Industrial Co., Ltd.



Address	No.201, Marushin-cho, Kita-ku, Nagoya, 462-0063,
Tel	Japan
Email	+81-90-4291-4251
Website	hazama-t@kinoshita-abc.jp
Contact Person	https://www.kinoshita-abc.jp
Capability Category	Toshihiko Hazama (Manager of Tokyo Office)
Representative	Precision parts processing, Prototype processing
Capital	Tomomi Kinoshita, Representative Director and
Employees	President
Established	JPY 38,000,000
Certification	70
Major Customers	July 01, 1970 (Founded in 1948) JIS Q 9100, JIS Q 9001 JUKI Corporation Shima Seiki Mfg., Ltd. SMC Corporation Yamato Sewing Machine Mfg. Co., Ltd. YKK Corporation (alphabetical order)

■ Business Overview

We started our business as a manufacturer of precision parts for industrial sewing machines which need accuracy and precision at a high level. We also invented very unique devices which we introduced to this industry for the first time in the world. We can handle all processes such as machining, heat-treatment, grinding, polishing, assembling, and inspection in a consistent production system. Such characteristics of our company is attracting attention from many advanced industries. Yes, aerospace industry is one of them.

■ Products • Materials • Part Sizes • Facilities & Equipment

Products: Precision Parts for Aerospace Industry
Materials: Aluminum, Stainless Steel, Titanium, Steel
Part Sizes: 5mm~100mm square max.

A4size(210x297mm) in approx..20mm thickness

Facility & Equipment

3/4/5-axis machining center Tapping center 12sets

Wire-cut electric discharge machine 9sets

CO2 Laser processing machine

Gas carburizing machine

Coordinate measuring instrument

3D CAD/CAM

Image measuring instrument

■ Our Strength

High-variety small-quantity production

Speedy production by effective system such as jigless and moldless processing

Sustainability by traceable processing and inspection

Ultra precision machining

■ Needs we can correspond / Business partners we want

Made-to-order precision parts

Compatible with various materials

■ Office & Plants

Head office and 6 factories in Marushin-cho, Kita-ku, Nagoya

Liaison office in Tokyo (Factory No.3)



14 COMPANY PROFILE

KITO SEIKI SEISAKUSHO Co., Ltd.

Address	50 Nakane, Nakamachi, Toyota, Aichi 473-0904, Japan
Tel	+81-565-52-3757
Email	kaitenkougu@kitouseiki.co.jp
Website	http://www.kitouseiki.co.jp
Contact Person	Takuya Takeda 080-6919-4616
Capability Category	Manufacture of metalworking parts
Representative	Akitaka Kito
Sales Amount	600 million yen
Capital	20 million yen
Employees	50
Established	1963/3/1
Certification	JISQ / 9001
Major Customers	TOYOTA INDUSTRIES CORPORATION



■ Business Overview

Manufacturer of machine precision parts
Live tooling unit repairs for CNC lathes
Manufacturer of inspection gauges

■ Products • Materials • Part Sizes • Facilities & Equipment

Spindle plate / Iron, copper, aluminum, stainless steel
Lathes, milling, machining centers, cylindrical polishing, inner diameter polishing, plane grinding machines, 3D measuring instruments

■ Our Strength

Experts in round machine precision parts
Experts in repairing live tooling units for CNC lathes

■ Needs we can correspond / Business partners we want

All processing for prototype parts and small-lot, multi-product processed products



15 COMPANY PROFILE

Kondo-Kousaku Co., Ltd



Address	4-313 Takane, Satomachi, Anjo City, Aichi Prefecture
Tel	0566-97-9551
Email	yukiko_tanaka@kondo-kousaku.co.jp info@kondo-kousaku.co.jp
Website	https://www.kondo-kousaku.co.jp/
Contact Person	Yukiko Tanaka
Capability Category	manufacturing industry
Representative	Tetsuo Kondo
Sales Amount	JPY 300 million
Capital	JPY 10 million
Employees	20
Established	April 1974
Group Name	Tangshan Howa Kondo Molding Co., Ltd. (THKM)
Major Customers	Howa Forging Co., Ltd Asahi Iron Works Co., Ltd



■ Business Overview

Iron forging mold production, aluminum forging mold production, can manufacturing, jig production, parts processing

■ Products • Materials • Part Sizes • Facilities & Equipment

Most of the processed products are made of molds for important safety parts of automobiles. We are good at processing from high hardness materials such as SKT-4 and SKD61 to aluminum materials. If your machining center is large, the travel distance of each axis will be 1540/760/660mm.

■ Our Strength

We have a good reputation for producing 3D CAD data as well as metal processing. And by combining with 3D CAD using a 3D measuring machine or scanner, it is possible to reproduce the shape of a specific object. Also, the reproduced shape can be machined with a different material.

■ Needs we can correspond / Business partners we want

With 3D processing using 5-axis machining, it is possible to handle prototypes and small lot products. In recent years, we are also focusing on reverse engineering, so it is also possible to regenerate jigs.

■ Office & Plants

Anjo City, Aichi Prefecture



16 COMPANY PROFILE

Kouwa-tec Co., Ltd.



Address 13-1 Nunouchi, Tomitsuka, Ama, Aichi 490-1202, Japan

Tel +81-52-442-0113

Email data@kouwa-tec.co.jp

Website http://www.kouwa-tec.co.jp

Contact Person Toshinobu Hayashi
Minoru Kuroda

Capability Category Precision processing
Prototype
JIGs



Representative Toshinobu Hayashi

Sales Amount US\$8.9M (¥112/\$)

Capital US\$90K (¥112/\$)

Employees 25

Established 1965

Certification ISO9001 JISQ9100

Major Customers ShinMaywa
NIPPI
Nidec
Shimadzu Corporation

Business Overview

1. Semiconductor
 - Robot-related parts used in clean rooms.
 - Sensor body for gas accumulator.
2. Aerospace
 - Rib parts incorporated into the main wings of commercial aircraft.
 - Parts used for satellites and defense.
3. Medical
 - Auxiliary equipment parts used below the knee.
 - Parts to be incorporated into the spine.
4. Other precision parts related to hydrogen and drones.



Products • Materials • Part Sizes • Facilities & Equipment

[Products] Aerospace parts, medical parts, semiconductor manufacturing equipment and transport equipment parts.
[Materials] Aluminum(A5052 A7075 etc.)Difficult-cut materials(titanium inconel 15-5ph SUS316L etc.)Others (resin aluminum bronze etc.) Casting Forging
[Parts size] Plates ~2000mm Round Bar φ800
[Facilities]

Machine	Model name	Maker	Number	Machine
5-axis vertical spindle machining centers	D500	Makino Milling Machine Co.,Ltd	1	550*1000*500 21APC
	D300		1	300*500*350 13APC
	V55-5XA		1	900*460*450
	V33-5XB		1	650*325*350
4-axis horizontal spindle machining centers	A-77	Makino Milling Machine Co.,Ltd	1	900*800*1020 2APC
	a51nx		2	540*640*640 2APC
	a82		1	1100*820*1020 2APC
	a81		2	900*900*1020 2APC
4-axis vertical spindle machining centers	VX-1500	Matsuura Machinery Corporation	3	1524*700*610 (Add 1-axis)
5-axis vertical spindle machining centers	MILLAC-1052V	Okuma Corporation	1	2050*1060*800 (Add 2-axis)
4-axis horizontal spindle machining centers	MILLAC-525H		1	520*450*520 2APC
	MA-60HB		1	1000*900*1000 2APC
NC lathe	LB3000EXII		2	8 inch Max φ410mm Max length500mm
automatic lathe	L20E-VIII 5-axis	CITIZEN MACHINERY CO., LTD	1	Workpiece diameter φ4mm to φ20mm Max work length 80mm
electropolishing	ECP-115-N01	CHUO SEISAKUSHO.LTD	1	-
CNC 3-dimensional measuring device	SVA1220A	TOKYO SEIMITSU CO.,LTD	1	1200*2000*1000
CNC 3-dimensional measuring device	BRIGHT910	Mitutoyo Corporation	1	900*1000*600
CAD/CAM	HYPER MILL	OPEN MIND	3	-
CATIA V5	V5-6R2018	Dassault System	1	-
CNC machine simulation	Vericut	CG Tech	1	-

Our Strength

[Aerospace Parts] We mainly process complex shapes, thin materials, and shapes that are easily distorted, and we flexibly handles everything from prototyping to mass production by combining a 5-axis machining center and a multi-sided pallet.
[Medical Parts] It is possible to receive an integrated order from materials to surface treatment, mainly for spinal implants and artificial limbs.
[Semiconductor] We have built a management system that guarantees quality of 5μm or less and does not allow scratches, and consistently handles everything from materials to surface treatment and polishing. We accept orders and provide stable QCD.

Needs we can correspond / Business partners we want

- We can handle a wide range of materials from aluminum to difficult-to-cut materials, and we can meet deadlines and costs by eliminating jigs and processes.
- We can handle everything from materials to processing and surface treatment.
- We can handle special processing such as helical processing, burnishing processing, and electropolishing, which are necessary for processing semiconductor and vacuum parts.
- We have a track record of processing inconel718 in the trial processing of aircraft engine cases for the needs of companies involved in engines and defense. From the design and production of jigs and cutting tools to the processing of difficult-to-cut materials and process management capabilities, we will utilize the know-how we have cultivated so far to expand into new fields.

Office & Plants

HEAD OFFICE: : 13-1 Tmitsuka, Nunouchi, Ama-shi, Aichi 490-1202, Japan
 IIDA OFFICE

17 COMPANY PROFILE

KURIMOTO Co.,LTD

KURIMOTO

Address	6 Terada, Kitajima, Iwakura, Aichi 482-0017, Japan
Tel	+81-587-66-8801
Email	y.kato@kmkogyo.co.jp
Website	http://www.kmkogyo.co.jp/en/corporate/index.html
Contact Person	Corporate Officer Sales Department General Manager Yoshiharu Kato
Capability Category	Automotive parts, aircraft parts, medical care, housing equipment, etc. Metal parts (AM, precision cutting, sheet metal press, etc.) Resin parts (AM, cutting, casting, molds, etc.)
Representative	Representative Director and President Hidetoshi KURIMOTO
Sales Amount	3.2 billion yen
Capital	84.57 million yen
Employees	145 people (As of July 2022)
Established	September 1990
Certification	ISO9001 / ISO14001
Group Name	Ontec Co., Ltd. / Sanritsu Co.,Ltd.
Major Customers	Automobile manufacturers, parts manufacturers, aircraft parts manufacturers

■ Office & Plants

Sales Office (Utsunomiya / Yokohama /
Hamamatsu / Hiroshima)



■ Business Overview

"Kurimoto Co., Ltd.", which is headquartered in Iwakura City, Aichi Prefecture, has been using the latest capital investment and technological capabilities since its founding. We have been striving to improve, and have produced prototypes and mass-produced products with high quality, short delivery times, and low costs. Recently, we have added several new 3D printers and are not only manufacturing but also selling the equipment.

■ Products • Materials • Part Sizes • Facilities & Equipment

- 3D Printer : 24 machines (SLA·SLS·Carbon M2·The largest FDM Stratasys F770, H350, J55, Origin One)
- Metal 3D printer: 2 units (GF Machining Solutions Flex 350)
- Machining Center : 40 machines (for Molding / Resins & AL Cutting)
- Spot welding line (D37m×W4m×H4m)
- Fiber laser welding (TRUMPF Tru Disk 3001)
- Laser cut (Mitsubishi Electric ML3015GX-F60)
- 3D Scanner : 2 machines (GOM ATOSII Triple Scan, Vectron VMC7000MApi)
- CT Scanner : 2 machines (Nikon MCT 225, XTH 450)
- Combined environmental tester (EMIC FH-40K/60 type): 2 units



■ Our Strength

- Multiple units of 3-axis and 5-axis metal processing machines
- 2 metal 3D printers
- Multiple measuring instruments (contact type, non-destructive)
- A wide range of materials from resin to metal, cutting from AM, mold processing and a wide range of construction methods, An environment where manufacturing can be done with new ideas based on "actual places, actual things, and phenomena" in fulfilling measurements.

■ Needs we can correspond / Business partners we want

- Various proposals using 3D printers.
- We are able to respond flexibly even with high-mix low-volume production, meeting customer needs. Application to final products, inspection jigs, processing jigs, masking jigs, anti-vibration jigs, etc.
- Resinification of metal parts (In-house support from molds to molding is possible)
- Proposals centered on metal AM and precision cutting

18 COMPANY PROFILE

Kuzuharagomu Co., Ltd.



Address	97-1 Akago-Yokoyamachou Anjou-shi, Aichi, Japan
Tel	+81-566-74-1862
Email	mkuzuhara@kuzuharagomu.co.jp
Website	https://www.kuzuharagomu.co.jp
Contact Person	Representative director: Makoto Kuzuhara Sales: Kazuo Kahata
Capability Category	Masking jig for aircraft parts, rubber molded products
Representative	Makoto Kuzuhara
Sales Amount	423.43 million yen / 2022 period
Capital	3 million yen
Employees	35 people (the end of June 2022)
Established	16-Oct-92
Certification	ISO 9001 JISQ9100
Major Customers	Mlshiguro Rubber · Sanwa Industry · Mino Chemical Industry · Fukoku · Iijima Electronics Industry · Chubu Beautification Company · M-Tech · Tomohiro Wise · Takasago Electric Industry · King Whetstone · Canto Tool · Masuda Vinyl

■ Business Overview

We design and manufacture masking jigs for the coating of turbine blades for PW1100G-JM mounted on Airbus A320.

We manufacture piston boots for automobile brake calipers, packing and cushion rubber.

September 2020 JISQ9100 scheduled to be acquired



■ Products · Materials · Part Sizes · Facilities & Equipment

General production of masking rubber and industrial rubber for turbine blade coating 500mm×500mm×H150mm

Rubber molding machine, vacuum rubber molding machine, frozen shot, optical microscope, thermostatic chamber



■ Our Strength

By creating a dedicated masking rubber using 3D CAD, instantaneous desorption is possible, enabling labor saving and high quality in the masking process.

Depending on the usage environment, it can be used many times.

We will listen to your needs and propose the best masking rubber.

■ Needs we can correspond / Business partners we want

Customers seeking labor saving and high quality in the painting process

Customers who want small lot and high variety support

■ Office & Plants

Head office · Delivery center

19 COMPANY PROFILE

MEIKO SEIKI Co., Ltd.



Address	496-0023 47 Nishishimizu, Kabutotyo, Tsushimasi, Aichi, JAPAN
Tel	0567-33-2311
Website	https://meikoseiki-ltd.co.jp/index.html
Contact Person	ANDO YUTO
Capability Category	machining
Representative	MATSUBARA KOSAKU
Capital	JPY 30 million
Employees	300
Established	March 28, 2002
Certification	ISO 14001, ISO 9001, JIS Q 9100, IATF 16949
Group Name	AHM, Mitsubishi Heavy Industries Meiki Engines Co., Ltd.
Major Customerst	AISIN CORPORATION, ADVICS Co., Ltd.

■ Business Overview

We specialize in mass production of ultra-precision machining, and have the world's top market share in linear solenoid parts for A/T control. We have been highly evaluated for our development capabilities involved in development in various fields, our technical capabilities to mechanize ultra-precision machining, and the quality maintained in our inspection department, which is composed mainly of women.

■ Products • Materials • Part Sizes • Facilities & Equipment

Product list: Sleeve solenoids, core solenoids, EGR valves, OCV valves, brake control components, motor rotor cores, prime mover business, aircraft business.

■ Our Strength

We are a company that can mass-produce micron-level cutting.

■ Needs we can correspond / Business partners we want

We are mainly a cutting manufacturer, but we can also handle small lots such as prototypes, and we will consistently handle prototyping ~ mass production.

■ Office & Plants

MEIKO SEIKI Co., Ltd.

20 COMPANY PROFILE

Mitakaseihan Co., Ltd.



Address	83 Futami-cho, Toyokawa, Aichi, Japan
Tel	+81-533-85-4351
Email	sales_gr@mitaka-seihan.co.jp
Website	https://www.mitaka-seihan.co.jp/
Contact Person	Taichi Takasu (Aerospace Division General Officer) Ayaka Hashimoto, Kaori Kamiya(Aerospace Division Sales assistant) Junichi Takeno, Yosuke Sakakibara(Aerospace Division Quality Assurance Manager)

Capability Category	Special print processing for the aerospace and defense industry ①Anodizing process ※Scheduled to acquire Nadcap certification in 2024 ②Monster-class UV inkjet printing at a speed of 200m/h Maximum size 4' x 8' ※ 2023.5 introduction decision ③High precision fiber laser processing Maximum size 4' x 8' ※2023.5 introduction decision ④High-quality and high-precision laser marking by 3Axis-YVO4SHGLASER ⑤Niche Prototyping Equipment/Technology & High Speed/High Performance Mass Production Equipment/Technology ⑥Online shop for materials and products for professionals ※Credit card payment accepted
---------------------	---

Representative	Ryuta Takasu
Sales Amount	¥372 million
Capital	¥30 million
Employees	65
Established	April 7, 1955
Certification	JISQ9100(AS9100):2016, ISO9001:2015, ISO14001:2015
Group Name	Mitaka Trading Co., Ltd.
Major Customers	Nabtesco Corporation, Yokogawa Electric Corporation, KONICA MINOLTA, INC., Kowa Company, Limited, SINTOKOGIO, LTD., NIPPON SHARYO, LTD., Shirakawa Olympus Corporation., TOYOTA TSUSHO MATERIAL INCORPORATED, OSG CORPORATION, Takatori Co., Ltd. Trading companies, government offices, etc.

■ Business Overview

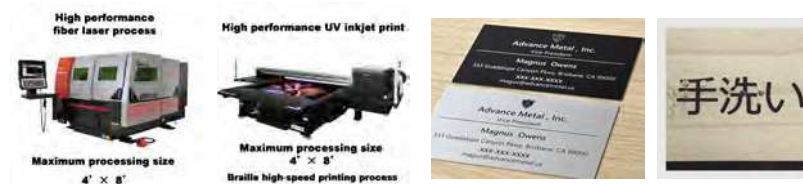
We manufacture industry-specific metal nameplates and decals using industry-specific materials. We can respond to customer's needs including technology such as anodizing and silk screen printing + JISQ9100 elements. For anodizing, we started activities to obtain Nadcap certification. In addition, we plan to introduce a large 4' x 8' size fiber laser and a large high-spec UV inkjet printer this fall.

■ Products • Materials • Part Sizes • Facilities & Equipment

A group of manufacturing equipment necessary for special printing processing.

■ Our Strength

Special printing processing, etc. by in-house manufacturing and sales.



■ Needs we can correspond / Business partners we want

A manufacturing organization system that meets the quality and customer needs and requirements specialized in the aerospace and defense field. We hope to do business with the aim of sustainably supplying products.

■ Office & Plants

- Head office factory 83 Futami-cho, Toyokawa-shi, Aichi Japan 442-0051
- Noguchi Factory 51-6 Tsuiji, Noguchi-cho, Toyokawa-shi, Aichi Japan 442-0044



21 COMPANY PROFILE

Mita Kosaku Co.,Ltd.  見田工作株式会社

Address	Toyoda Minami-ku nagoya-shi, Aichi JAPAN
Tel	0526919346
Email	s-mita@mita-group.co.jp
Website	www.mita-group.co.jp
Contact Person	Shuji Mita
Representative	Masayasu Mita
Capital	JPY 84,672,000 yen
Employees	320
Established	1954
Certification	JIS9100:2016
Group Name	MITA TRANSPORT SERVICE
Major Customers	Mitsubishi Heavy Industries, Ltd. Mitsubishi Motors Corporation Fujitrans Co., Ltd.



■ Business Overview

We provide flexible services ranging from spot to full-scale packaging design, packaging improvement proposals, prototyping, mass production, and transportation. We also provide support for related services such as strength calculations, durability testing, and UN Mark acquisition. We have accumulated a lot of experience in the field of logistics, not only in corrugated cardboard boxes, but also in wooden boxes, steel boxes, returnable boxes, one-way boxes, and more. As a processing business, we mainly manufacture SUS can parts for food packaging machines. In the aircraft manufacturing field, we have a track record of devising, manufacturing, and selling production improvement tools, mainly for production process outsourcing, and recently we are aiming to enter the production improvement field using collaborative robots. In addition, we are broadening the scope of our services from materials to processing to transportation so that we can provide a wide range of manufacturing-related services from the customer's perspective with our cooperative partners.

■ Products • Materials • Part Sizes • Facilities & Equipment

Toshiba NC:VTL
Moriseiki NC:NL-2000
Mitsubishi M-V70C
Mitsubishi NC:MBS-52/55

■ Our Strength

Export Packing, Domestic Packaging, Packaging Design, SUS machining, Assembly, Material Sales

■ Needs we can correspond / Business partners we want

We have achievements in providing solutions to companies that have problems with the flow of goods, especially by proposing packaging redesign specifications such as de-plasticization and environmentally friendly packaging, improving production by introducing cooperative robots to production lines, and providing a wide range of human resources, including onsite contracting and manufacturing dispatch services.

■ Office & Plants

HQ: Nagoya, Tsukiji Sales Office, Kyoto Sales Office, Kobe Sales Office, A/C Sales Office, Yatomi Logistics Center, Gifu Logistics Center, Itozaki Office, Kobe Office, Kitano Workplace, KD Logistics Center

22 COMPANY PROFILE

MITSUI-SOKO Co.,Ltd. Chubu Branch



Address	22-24, Marunouchi, 3-Chome, Naka-ku, Nagoya
Tel	052-972-0630
Email	y-yasu@mitsui-soko.co.jp
Website	https://www.mitsui-soko.com/company/group/msc/
Contact Person	Yasutaka Yamashita
Capability Category	Sales Coordination Team II
Representative	Tadashi Tanaka
Sales Amount	300.8 billion (consolidated)
Capital	11.2 billion (consolidated)
Employees	8,057 (consolidated)
Established	1909
Certification	EN9120

■ Business Overview

We are capable to meet every need of our customers by providing integrated services in all areas of logistics, including ocean, air, and land transportation, import/export, customs clearance, storage, delivery, inspection and sorting, both domestically and internationally.

■ Our Strength

We are a member of "AICHI-NAGOYA AEROSPACE CONSORTIUM" (ANAC) and the only logistics provider with EN9120 certification. We provide logistics services that can contribute to the development of the aerospace industry based on our long experience of raw materials storage for aircraft.

■ Needs we can correspond / Business partners we want

For companies that have issues or concerns regarding logistics such as import/export, customs clearance, storage, transportation, sorting of raw materials, parts, components, etc.

■ Office & Plants

260 bases in Japan, 151 bases overseas (consolidated)

23 COMPANY PROFILE

Nagoya Quality Assurance Technology Co., Ltd. HINSHOKEN



Address	18-12, Chiyoda-cho, Atsuta-ku, Nagoya, Aichi 456-0073, Japan
Tel	+81-52-681-1891
Email	toiawase@nqat.co.jp
Website	https://nqat.co.jp/
Contact Person	Musashi Kuroki
Capability Category	Special Process (NDI) Others (Quality Assurance)
Representative	Tomomitsu Arita
Sales Amount	JPY 9,5 million
Capital	JPY 10 million
Employees	125
Established	12/1/1988
Certification	Nadcap(Non Destructive), JIS Q 9100
Major Customers	·Mitsubishi Heavy Industries, Ltd. ·Mitsubishi Heavy Industries Aero Engines, Ltd. ·Kawasaki Heavy Industries, Ltd. ·JAMCO Corporation ·KYB Corporation. ·Kobe Steel, Ltd. ·SkyDrive Inc.

■ Business Overview

【Quality Solutions】

- (1) Providing seminars for JIS Q 9100 Internal Auditor Training etc
- (2) Consulting for AS/EN/JIS Q 9100 and Nadcap Accreditations and continuous improvement activities
- (3) Supporting for Quality improvement activities, especially for aerospace products

【Quality Assurance】

- (1) Dimensional Measurement for various parts/component
- (2) CMM part programming
- (3) Independent inspection and FAI support

■ Our Strength

We have skilled consultants who have enough experienced to work in major aerospace companies. Thier experience allows us to provide effective and practical consulting and seminars for AS/EN/JIS Q 9100/Nadcap accreditations and/or continuous improvement activities etc.

We are also able to provide accurate and efficient measurements and CMM part inspection program with our advanced measurement technologies, which is recognized by major aerospace companies.

■ Needs we can correspond / Business partners we want

Contact us if you have any Quality Assurance issue.

■ Office & Plants

【Headquarter】

18-12, Chiyoda-cho, Atsuta-ku, Nagoya, Aichi 456-0073, Japan

【Komaki Measument Center】

153, Yasuda-cho, Komaki, Aichi 485-0014, Japan

24 COMPANY PROFILE

nBridge, Ltd.

Address	6th Floor Aoi Bldg. 1-26-8 Aoi Nagoya, Aichi, Japan 461-0004
Tel	+81-52-908-7775
Email	eigyohonbu@nbridge.jp
Website	https://nbridge.jp
Contact Person	Toshihiko (Steven) Okuda
Representative	Shinsaku Ueda
Capital	JPY 10,000,000
Employees	6
Established	June 16, 2015

■ Business Overview

Providing consultancy services and factory data analytics software to enhance productivity and develop capabilities for aerospace industry

■ Products • Materials • Part Sizes • Facilities & Equipment

Cloud-Based IoT/Smart Factory Analytics Software “FactoryDoctor”
- Collecting & analyzing machine operation and worker position data to enhance productivity and help make more profit out of your factory



FactoryDoctor
<https://kojoshindan.com>

■ Our Strength

Process Management Expertise in Aerospace Industry
Smart Factory Software Development

■ Needs we can correspond / Business partners we want

Digitalization and Productivity Enhancement for mid-to-small lot manufacturing (job shop production) facilities

■ Office & Plants

Nagoya Head Office

25 COMPANY PROFILE

NSR JAPAN Co., Ltd.



Address	Proto Aoi Building 3F, Aoi 1-23-14, Naka-ku, Nagoya, Aichi Prefecture 460-0006 JAPAN
Tel	+81-52-325-5140
Email	hiros@nextsr.com; contact@nextsr.com
Website	nextsr.com
Contact Person	Hiroto Shinohara, C.E.O./President
Capability Category	Business process outsourcing service Technical Translation Services Sales And Marketing Services
Representative	Hiroto Shinohara
Sales Amount	300,000,000 JPY
Capital	10,000,000 JPY
Employees	40
Established	2004/11/22
Group Name	NSR GROUP
Major Customers	Boeing, IHI, Raytheon Technologies (Pratt&Whitney, Collins Aerospace, Pratt&Whitney Canada, Airinc) Daher, Carbon Aerospace, OEM Services Asia, American Honda Motors, Mitsui Bussan Aerospace, Sumitomo Wiring Systems, Mitsubishi Corporation Technos

■ Business Overview

Domestic/International Sales&Marketing Service
Special Projects and Subcontracting
Employer of Record (EOR) Service

■ Our Strength

We have over 30 years experience in providing the sales & marketing service and HR support services to the client companies in Japan and U.S.A.

■ Needs we can correspond / Business partners we want

We can support new businesses and existing businesses expand by providing solutions for their engineering and manpower needs
We also provide the market research and representation services as well as language services, such as technical translation and interpretation services.

■ Office & Plants

US HQ : Next Step Resources of Ohio, Inc.
655 Metro Place South, Suite#600-044, Dublin Ohio 43017 U.S.A.
TEL +1-614-798-0671

JAPAN HQ : NSR JAPAN Co., Ltd.
Puroto Aoi Bldg. 1-23-14 Aoi, Naka-ward, Nagoya-city, Aichi-pref. 460-0006 JAPAN
TEL+81-(0)52-325-5140

26 COMPANY PROFILE

nTECH Inc.  株式会社 nTECH

Address	2-16-9, Takayama-cho, Kasugai-city, Aichi 486-0912,
Tel	Japan
Email	+81-568-29-6006
Website	akira.n@ntech-tool.co.jp
Contact Person	https://ntech-tool.co.jp/
Capability Category	Akira Nagae Cutting tool sales for Heat Resistance Material Development and Study for cutting tool geometry
Representative	Akira Nagae
Sales Amount	US\$500,000
Capital	US\$266,000
Employees	18
Established	in 2016
Group Name	Mitsubishi Heavy Industries Mitsubishi Heavy Industries AERO ENGINE IHI Jet service



■ Business Overview

- We have established the cutting tool division for AEROSPACE industries.
- It is dedicated cutting tool from design, development to produce for heat resistant material such as Inconel, Waspaloy and Titanium.



■ Products • Materials • Part Sizes • Facilities & Equipment

- Walter HELITONIC POWER×2unit
- Walter HELICHECK PRO×1unit

■ Our Strength

- On demand design and product
- Small order
- Short lead time from design to ship

■ Needs we can correspond / Business partners we want

Study and development of cutting tool for resistant material

■ Office & Plants

2-16-9, Takayama-cho,
Kasugai-city,
Aichi 486-0912, Japan



27 COMPANY PROFILE

OMATA SHUTTER INDUSTRIAL CO., LTD



Address	1-16-26, Aoi, Higashi-ku, Nagoya, Aichi 461-0004, Japan
Tel	+81-52-935-3931
Email	nagoya@omata-s.co.jp
Website	http://www.omata-s.co.jp
Contact Person	Hideki Imaki, Nagoya branch manager Moto Nakano, Tokyo branch manager
Capability Category	Development, design, manufacturing and sales of heavy weight roller shutter, fire shutter, smokeproof shutter
Representative	Masahiro Omata
Sales Amount	JPY 1,035,533,110
Capital	JPY 230,000,000
Employees	54
Established	April 28, 1948
Major Customers	Japan Aerospace Exploration Agency (JAXA) US Yokota Air Base Nakanihon Air Service



■ Business Overview

Omata Shutter, a leading provider of roller shutters with history of longer than 70years, has been providing various kinds of shutters like heavy weight roller shutter, fire shutter or smokeproof shutter, and has solid records of installing its products to many landmark buildings of governmental offices or large commercial facilities across the country. We have recently been appointed as a sole distributor of Megadoor, a vertical lifting fabric door that is a global brand with a plenty of installation records worldwide, and we have been successfully increasing the inquiries and businesses for this product mainly from space, aviation or defense industry. Also, uniquely positioned we are with the customized product to special needs and proud of being effectively sole manufacturer in the country of roller shutters for the shipboard helicopter of JMSDF, JCG and others.

■ Products • Materials • Part Sizes • Facilities & Equipment

Megadoor, a vertical lifting fabric door, has rich features as opposed to conventional roller shutters.

1. Wide opening
2. No rust or decay
3. No floor track needed which often hinders smooth operation
4. Minimum energy loss thanks to high thermal insulation performance
5. High resistance to wind/snow load
6. Efficient operation by full automatic opening and closing

■ Our Strength

Our long and deep experience in developing, designing, manufacturing, and supporting roller shutters across the country will certainly help to meet the needs for secure entrances of space and aviation industry.

■ Needs we can correspond / Business partners we want

We are seeking opportunities to get in touch with operators who are interested in secure entrance systems for their hangar for large equipment like aircraft, helicopter etc. to which our Megadoor will best fit.

■ Office & Plants

HQ, Kita-ku, Tokyo
Tokyo branch, Kita-ku, Tokyo
Yokohama branch, Kanagawa
Saitama branch, Saitama
Saitama factory, Saitama

28 COMPANY PROFILE

OSG Corporation



Address	3-22 Honnogahara Toyokawa, Aichi 442-8543, Japan
Tel	+81-533-82-1111 (Main)
Email	cs-info@osg.co.jp
Website	https://www.osg.co.jp
Contact Person	Shigetoshi Ukei
Capability Category	Development, manufacturing, and sales of cutting tools
Representative	Norio Ishikawa, Chariman & CEO Nobuaki Osawa, President & COO
Sales Amount	142,525 million yen (Consolidated), 56,956 million yen (Non-consolidated) November 2022
Capital	13,044 million yen
Employees	7,543 (Consolidated), 1,899 (Non-consolidated)
Established	March 26, 1938
Certification	ISO9001/ISO14001/JIS Q9100
Group Name	Aircraft related: Amamco, NEXAM, SMOG Material: Nippon Hardmetal Co., Ltd. Manufacturer: SD Manufacturing Co., Ltd., Otaka Seiko Co., Ltd., Aoyama Seisakusho Co., Ltd., Noda Precision Co., Ltd., Nissin Diamond Co., Ltd., F.P.Tools Co., Ltd. Coating: OSG Coating Service Co., Ltd. Regrinding: ORS Co., Ltd.

■ Business Overview

OSG is the world's largest manufacturer of round cutting tools, with top global market share in taps, drills and end mills. OSG has always strived to provide quality products in sync with the latest technology and customer needs. This philosophy is the corporate DNA of OSG and the driving force of its global operation. Our production, sales, and technical support network is now in 33 countries.

■ Products • Materials • Part Sizes • Facilities & Equipment

Cutting tools in general including taps, drills, end mills, indexable tools, rolling dies, and gages



■ Our Strength

OSG has been committed to developing quality products that truly exceed the expectations of each customer. This spirit remains alive in all facets of our operation today, and has given OSG the strength to challenge the status quo and deliver products and services in sync with manufacturing needs of the times. Our corporate tagline "shaping your dreams" summarizes this passion for new challenges and commitment to transforming each and every one of our customers' dreams into reality.

■ Needs we can correspond / Business partners we want

Customer communication is at the heart of the OSG brand. We anticipate, listen and actively react to customer needs through on-site face-to-face support. OSG's vast global network provides our production sites with accurate feedback about user needs so that they can quickly design, develop, manufacture and deliver products that precisely meet those needs.

■ Office & Plants

Headquarter in Toyokawa, Aichi, manufacturing plants being located nearby, domestic sales offices in 30 locations, and our production, sales, and technical support network is now in 33 countries.

29 COMPANY PROFILE

Qualitem Co., Ltd Qualitem

Address	3-22-24 ATS Hirokoji Bldg. 6F Naka-ku Nishiki Aichi, Nagoya 460-0003
Tel	052-265-8442
Email	d_hishikawa@qualitem.co.jp
Website	https://qualitem.co.jp/
Contact Person	Daisuke Hishikawa
Capability Category	inspection, others
Representative	Daisuke Hishikawa
Sales Amount	60 million yen
Capital	5 million yen
Employees	7
Established	May 2nd, 2022
Major Customers	TOYOTA TSUSHO MATERIAL INCORPORATED JAMCO CORPORATION Nippi Corp. Niigata Aerospace Corporation etc.

■ Business Overview

We provide support for quality assurance, QMS establishment/operation, and problem solving.

We have many experienced experts who have been deeply involved in the aerospace industry, and we will support and lead you to a solution to any issue in manufacturing and quality.

■ Products • Materials • Part Sizes • Facilities & Equipment

Consulting: QMS establishment/operation, quality improvement, organizational revitalization, problem-solving support, etc.

Seminar/Training: Explanation of standards (QMS, SPEC), internal auditor training seminar, basic quality assurance education, etc.

Outsourcing: Interpretation/translation (English), document preparation, inspection/inspection work, etc.

■ Our Strength

We can handle a wide range of quality-related matters, from QMS establishment to inspection practices.

We also have the technology/knowledge of metal materials, special processes, production technology, and automotive (IATF 16949), etc., and can make the best proposals to meet your challenges.

■ Needs we can correspond / Business partners we want

- For companies that are challenging to obtain QMS certification such as JISQ9100 and are having trouble with its operation.
- Companies that are having trouble training internal auditors and quality assurance/inspection staff
- Companies that are having trouble with audits (interpretation) from overseas customers, translation of requirements, etc.
- Companies that are having trouble with inspection practices, document reviews, etc., and lack the manpower to handle them
- Companies that do not know what to do about their problems

■ Office & Plants

HQ, Niigata branch

30 COMPANY PROFILE

Ryoyu Giken Co., Ltd



Address	Ryoko Bldg, 3F, 6-16, Oye-chou, Minato-ku, Nagoya, Aichi, Japan
Tel	+81-52-612-7701
Email	eri-okada@ryoyu-giken.co.jp
Website	https://ryoyu-giken.co.jp/
Contact Person	Eri Okada
Capability Category	Equipment Sales, System development and design, research and development
Representative	Satoshi Kanemoto
Sales Amount	670 million yen
Capital	10 million yen
Employees	85 people
Established	September 2nd, 1978
Certification	MSJ4000
Major Customers	Mitsubishi Heavy Industries Ltd.

■ Business Overview

Since our establishment in 1978, we have continued to propose and provide system construction and design development support as a technical partner to major manufacturing companies.

We provide reliable technology and services based on our past achievements and accumulated technological capabilities, as well as continuous technological study and advanced efforts.

We are committed to the Rich IT School business, which provides a stable supply of IT human resource development to support the future manufacturing environment, and we support labor-saving and efficiency improvement of manufacturing processes by utilizing digital technology such as VR/MR technology to replace the tacit knowledge of skilled workers, which is in short supply.

We also support the efforts to accelerate digital transformation by introducing PLM tools (Aras Innovator) to utilize data that is highly independent for each department.

We also offer a variety of solutions and other services upon request.

■ Products • Materials • Part Sizes • Facilities & Equipment

- ◆ Design
- ◆ Design Implementation
- ◆ Development environment
 - PLM platform: Aras Innovator
 - 3D modeling tool: Catia V5
- ◆ Education Business
 - IT Human Resource Training [Human Skill, Java, Oracle, HTML/CSS, Git, Servlet, Spring framework, Python, etc.
 - Job placement of IT personnel
- ◆ Aras
 - Introduction support service
- ◆ Various agencies
 - AI translation system **SYSTRAN**
 - Network equipment **cisco**
 - paperless conference system **Smart Session**
 - and many others

■ Our Strength

- (1) A primary contractor and technical partner of a major manufacturing company.
- (2) The management team is from an engineering background, and the employees are also engineers.
- (3) Provides a wide range of support from upstream to downstream processes of system development.
- (4) Expansion of alliance business . .Aras partner
- (5) Education and training business for IT personnel... Rich IT School
- (6) Various solution proposals
- (7) Sales of various OA equipment and data collection terminals.

■ Needs we can correspond / Business partners we want

Companies that are considering an AI system that can safely and accurately translate technical terms, company-specific words, trade secrets, etc.
Companies that need training in IT technology and job placement of IT technicians.
Companies that need assistance with Aras implementation.
Companies in need of assistance with everything from requirements definition to system development.

■ Office & Plants

Oye office (HQ, administration department, service group, IT product group)
Komaki office (IT support group, Aras business group) Kaneyama office (Rich IT school)

31 COMPANY PROFILE

SATOH MACHINERY WORKS Co.,Ltd.

SATOH

Address	3-42,Kyuban-cho, Minato-ku Nagoya, Aichi 455-0008, Japan
Tel	+81-52-661-176
Email	yoshi.satoh@satoh-gr.co.jp
Website	http://www.satoh-gr.co.jp/
Contact Person	HEAD OFFICE : Yoshihiro Satoh OTOWA OFFICE : Masaru Mizutani HAGI OFFICE : Futoshi Takahashi
Capability Category	· Parts processing and inspection · Development, manufacturing and sales of molding machines
Representative	Yasuhiro Satoh
Sales Amount	€12241600
Capital	€344282
Employees	91
Established	November, 1961
Certification	ISO9001 · ISO14001 · JIS Q 9100
Group Name	Nittore Co.,Ltd., Fujii Industry Co.,Ltd., LPM Co.,Ltd.
Major Customers	UACJ Corporation, Kobe Steel, Ltd., Mitsui & Co. Machine Tech Ltd. Mitsubishi Corporation Technos., Okaya & Co., LTD., Automobile manufacturers , Automobile parts suppliers



■ Business Overview

- ①Machining of various materials, including ultra-large products.
- ②Design and manufacturing of vertical injection molding machines for plastic molded product suppliers and research institutes in japan and overseas, and construction of composite molding systems including ancillary types of equipment.

■ Products • Materials • Part Sizes • Facilities & Equipment

Main equipment and supported sizes: (Machining department)
Large 5-axis machining center (5.1 m x 19 ft), 5-face machining center (4.1 m x 10 m), horizontal boring machine (12 m x 4.5 m)
Large vertical lathe (7 square meters x 3.5 square meters) with a lineup of various processing machines. Onwership of Laser-type and Arm-type 3D measuring instruments, which are required for the actual measurement of large products.

Product information: (Equipment department)
The main product lineup includes Hot press, Vertical injection molding machine, Sheet stamping molding equipment, Various base materials /Composite material heating and conveying equipment, etc.

■ Our Strength

- In the Machining department, central management from formation of various materials including ultra-large products to machining is possible.
- In the Equipment department, we closely correspond with the user to design and manufacture unique molding machine and molding system that meets the customer's required specifications, reduce weight using in-house trial machines, try trial production such as composition molding and provide after-sales maintenance.

■ Needs we can correspond / Business partners we want

- (Machining department)
- With our extensive lineup of machine tools, we can handle multi-process processed products in-house regardless of the materials.
 - We also have a Constant temperature factory and are good at processing aluminium.
 - We perform comprehensive engineering from material procurement to delivery date management and quality assurance.
 - Quality assurance is possible through the use of three-dimensional measuring machine.
- (Equipment department)
- We have brushed up the know-how accumulated as Vertical injection molding machine manufacturer and posses various development technology.
 - We are good at custom-made products, and can develop, design and manufacture various molding equipment.
 - In addition to molding equipment, we handle everything from material input to product removal and mold replacement in a single system.
 - Our own technology examination machine (vertical molding machine) can be widely used from prototype trials to Research and Development assistance.
 - We have many achievements in composite material molding equipment, and it is used in a wide range of industries such as aviation, automobiles, and building materials as an underlying technology for weight reduction and carbon-free society.

■ Office & Plants

HEAD OFFICE (Development/Manufacturing of Molding Machines)
OTOWA OFFICE (Development of molding machine/ Large-scale machining)
HAGI OFFICE (Manufacture and trial of molding machines/ Large-scale Machining)

32 COMPANY PROFILE

SINFONIA TECHNOLOGY CO., LTD.



Address	Meieki Daiya Meitetsu Bldg.,1-1-17, Meieki, Nishi-ku, Nagoya, Aichi 451-0045, JAPAN
Tel	+81-52-581-9726
Email	fujio-ryoko@sinfo-t.jp
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

33 COMPANY PROFILE

Sirmit Group Co., Ltd

SIRMIT-INDUSTRY Co., Ltd.



Address	TOSHIN Hirokojihonmachi Bldg. 8F Naka-ku, Sakae 2-4-3 Nagoya, Aichi
Tel	+81-52-223-3310
Email	mi-kaneko@sirmit-gr.co.jp
Website	https://www.sirmit-gr.co.jp
Contact Person	Minoru Kaneko
Capability Category	Aircraft - contracting/dispatching, tool sales/ development/repair/maintenance
Representative	Representative Director and President Kenji Ishizuka
Sales Amount	JPY 5.5 billion
Capital	JPY 80 million
Employees	1300
Established	October 14, 1964
Group Name	Osaka Dengi Co., Ltd., Sinkoki Co., Ltd., Fukoku-industry Co., Ltd., Kume Electric Co., Ltd., Nakano Aviation Co., Ltd.
Major Customers	KHI, Kawasaki Railcar Manufacturing Co., Ltd., ShinMaywa Industries, SUBARU, Sumitomo Precision Products Co., Ltd. NISSAN Motor Co., Ltd., MISUMI Group inc., MHI, Mitsubishi Electric

■ Business Overview

We are engaged in aircraft parts machining, structural assembly, and painting. For the Boeing 777, our work includes the structural assembly of the fuselage section.

■ Products • Materials • Part Sizes • Facilities & Equipment

- 1) Repair - General/special tools and power tools of domestic and overseas made
- 2) Sale - Drills for special use in aircraft manufacturing
- 3) Development, manufacturing and sale - masking plug in painting process, and original temporary fasteners



■ Our Strength

Ensuring high quality through world-standard management. JIS Q 9100 is a global standard for quality management established in Japan based on ISO 9001, incorporating requirements specific to the aerospace industry. Sirmit (SIRMIT) Group holds this certification and satisfies our customers' needs with our advanced technologies.

■ Needs we can correspond / Business partners we want

Companies involved in aircraft assembly and production which seeks to reduce manufacturing costs, improve product quality, and enhance workability. In the aircraft business, we sell a wide variety of tools, develop tools jointly with manufacturers, and provide tool repair and maintenance services to our customers. We will provide proposals for tools suited to the work process, including tools made by foreign manufacturers. Please contact Sirmit Group for more information.

■ Office & Plants

HQ: 6-10-8 Tsukaguchihonmachi Amagasaki
Hyogo 661-0001
TEL +81-6-6421-3310

Technical Center: 248 Kita-ku Marushincho
Nagoya 462-0063
TEL +81-52-909-6050

Nagoya plant: 1-143 Minato-ku Hojin
Nagoya 455-0832
TEL +81-52-398-0922



34 COMPANY PROFILE

Sunjushi.Co., Ltd. サン樹脂

Address	14-1 Oshima Mutsushi, Kitanagoya, Aichi 481-0001, Japan
Tel	+81-568-27-3014
Email	akira-takanezawa@sunjushi.co.jp
Website	http://www.sunjushi.co.jp
Contact Person	Akira Takanezawa
Capability Category	The manufacture of plastic parts and composite material parts for aviation space and defense The manufacture of plastic, rubber and metallic products for machine and device Tool design and manufacture of products for machine and device
Representative	Taro Isomura
Sales Amount	845,300 thousand yen
Capital	9million yen
Employees	56
Established	1985
Certification	JIS Q 9100:2016(AS9100D&EN9100:2018)/ISO9001:2015
Major Customers	Mitsubishi Heavy Industries, Ltd. Fujiwara Co. Ltd. Churyo Engineering Co., Ltd. NOF CORPORATION. SANKO MFG Co., Ltd. ShinMaywa Industries, Ltd. Tamagawa Seiki Co., Ltd.



■ Business Overview

Sunjushi is a processing manufacturer specializing in plastics
Plastic processing:cutting/maching/bonding/welding/bending
No mold required,from one piece manufacturing available
No initial cost of mold making
Convenient at small lots prototyping and development stage

■ Products • Materials • Part Sizes • Facilities & Equipment

【Wide range of materials】

We use materials from commodity plastics to thermoplastic resin such as super engineering plastics and thermosetting resin; Bakelite, CFRP etc.

【Facility & Equipment】

5-axis NC machine tool (INTEGREX i-200)
three coordinate measuring machine
image dimension measuring machine(IM-7020)
Surface roughness measuring instrument(SURFTEST SJ-410)
3D printer(Fortus 450mc),3D CAD(CATIA V5)



■ Our Strength

【Factory under temperature control】

Our factory is kept the temperature stable (25± 2°(measured value))

【Processing every material】

We process not only CFRP, but also materials under development.

【Stable supply】

Promise to provide goods over a long period by balanced age structure from well-experienced employees to young employees. (The workers' average age : 33 years old.)

【Product machining results】

Dealing directly with aircraft manufacturers(G7500, US-2)

■ Needs we can correspond / Business partners we want

Want to use plastic to reduce weight.

Want to reduce parts cost of in small quantities that do not require to meke molds. (1~500 pieces)

Want suggestions on what material will be suitable.

Want to obtain reliabe quality parts on time.

Looking for suppliers of plastic processed parts

Want to reduce costs with 3D printer parts

■ Office & Plants

Head office: 14-1 Oshima Mutsushi, Kitanagoya, Aichi, 481-0001, Japan

Branch office : 82-2 Tokuganji Fujishima,Komaki, Aichi,485-0064, Japan

35 COMPANY PROFILE

TAKAGI INDUSTRY CO.,LTD.



Address	2-3-6 Rokuban, Atsuta-ku, Nagoya, Aichi 456-0058, Japan
Tel	+81-52-611-3239(Representative of Aerospace Division)
Email	aerospace@takagikk.co.jp(Representative of Aerospace Division)
Website	http://takagikk.co.jp
Contact Person	Minoru Takeshima (KITAGASHIRA Factory Management group Group leader)
Capability Category	Machining processing Sheet metal processing Tooling,Jigs
Representative	Yuji Takagi
Sales Amount	7.5 hundred million yen
Capital	20 million yen
Employees	64
Established	January 1951
Certification	JIS-Q-9100:2016, ISO9001:2015, SJAC9068A, MSJ4000, SQR-001, ISO14001:2015
Major Customers	Mitsubishi Heavy Industries, Ltd. ShinMaywa Industries, Ltd. Mitsubishi Fuso Truck and Bus Corporation HOSHIZAKI CORPORATION etc.

■ Business Overview

We will continue to take on the challenge of creating new value through sheet metal processing.

- Sheet metal forming and machining of aerospace and defense equipment parts.
- Processing of sheet metal parts for large, medium and small buses and assembly by welding, bonding and fastening.
- Processing and assembly of sheet metal parts for business use freezers.



NC Router



3D Laser Processing Machine

■ Products • Materials • Part Sizes • Facilities & Equipment

< Products > · Sheet metal parts for aerospace and defense equipment parts.

- Doors, side doors and ceiling frame parts for large, medium and small buses, etc.
- Ice storage / icebreaker for business use.

< Materials >

Aluminum alloys (1050, 2024, 5052, 6013, 7075, etc.), Steel, Stainless steel, Titanium alloys, etc.

< Main equipment >

- NC Router (1900X1230 t : ~ 8) etc. 2units
- NC Turret punch press (2500X1270 t : ~ 3.2) etc. 2units
- NC Milling machine (820X520X410) etc. 2units
- 200 ~ 500t Double crank press 3units
- 25 ~ 110t Torque pack press 7units
- Deburring machine (W: ~ 600) 1unit
- 18 ~ 80t Bending machine (L : ~ 2500) etc. 6units
- Shearing press (L : ~ 2500 t : ~ 6.5) etc. 3units
- 3D Laser Processing Machine (2500X1600X550) 1unit
- Laser/Punch Combination Machine (2500X1270) 1unit
- Robot welding machine 4units Welding machines (CO₂, TIG, MIG, SPOT) Many units
- Urethane injection foaming machine 1unit
- General-purpose processing machine ,Conter machine,3-Roller bending roll,Drilling machine etc. Many units
- CATIA-V5 1unit AP100 3units General purpose CAD/CAM Many units

■ Our Strength

Our NC router maximizes availability with a unique external setup device. Furthermore it enables efficient production with the merged software that converts multiple programs into one optimize program. We make it possible to respond quickly and at a low cost even for high-mix low-volume parts and highly urgent parts.

We support a wide variety of materials with a punch laser compound machine, and we are also good at processing after molding with a 3D laser and additional machining with special specifications. It is also possible to assemble and supply manufactured parts by welding, fastening, and gluing.

■ Needs we can correspond / Business partners we want

- ① We will promptly respond to various material variations and variable sheet metal processing.
- ② In cooperation with partner companies, we will consistently support multi-process production such as material procurement, sheet metal processing, machining, and surface treatment processing.
- ③ We will propose and manufacture jigs and tools for improving productivity and stabilizing quality.
- ④ We propose cost reduction by converting machined parts to sheet metal parts.

■ Office & Plants

Head office factory (Automotive / Food Equipment Division, Atsuta-ku, Nagoya)
KITAGASHIRA Factory(Aerospace Division, Minami-ku, Nagoya)

36 COMPANY PROFILE

TAKAGI STEEL Co., Ltd.



Address	3-308 Fujimae Minato-ku Nagoya Aichi 455-0855, Japan
Tel	+81-52-301-1801
Email	t-takagi@takagi-steel.co.jp
Website	www.takagi-steel.co.jp
Contact Person	President and CEO Tomohide Takagi Nagoya Sales Manager Kazutaka Yamashita
Capability Category	Sales and distribution of materials for aircraft.
Representative	President and CEO Tomohide Takagi
Sales Amount	1,200 million yen
Capital	50 million yen
Employees	33 people
Established	1955/4/8
Certification	JIS Q9100 (obtained in February 2022) ISO9001/14001 (obtained in January 2021)
Major Customers	AISIN SIN'EI Co., Ltd. DENSO Co., Ltd. AMANO Corporation ALPHA Corporation FDK Corporation Konica Minolta, Inc. JTEKT Corporation THK Co., Ltd. Tsukiboshi Manufacturing Co., Ltd. FUKUI BYORA Co., Ltd. NITTO KOGYO Corporation Nitta Corporation HAMANAKODENSO Co., Ltd. HAMANA PARTS INDUSTRY Co., Ltd. Hirose seikou Co.,Ltd. NIPPON POP RIVETS AND FASTENERS Ltd. MIWA LOCK Co., Ltd. Musashi Seimitsu Industry Co., Ltd. MEIRA Corporation UNICRAFT NAGURA Corporation YKK Corporation

■ Business Overview

In the business area, we have partnership with over 200 companies in over 60 years for sales of materials mainly for special steels and tool steels. We have advantage that be able to do parts completion to one-stop by collaboration with partners and utilizing our own factory. In line with the acquisition of JIS Q9100 certification, we have established a specialized department "Aviation Group" across sales, management and warehouse. As a result, the quality inspection and control system for handling aircraft materials has been strengthened.

■ Products • Materials • Part Sizes • Facilities & Equipment

【Handling material】

Aircraft Materials: A286, 17-4PH, 17-7PH, 15-5PH, PH13-8Mo, Nimonic80A, Inconel 718, Waspaloy, PWA 92, Hastelloy, Ti6A4V, 17-22A, H-11, Greek-Ascoloy, 4130, 4140, 4330, 8740, A2017, A2024, A6061, A7075

Special steel materials: SKH51, SKH55, SKH57, HAP, YXR, DURO, SLD-i, SLD-MAGIC, SKD11, SKS, SK, DAC-MAGIC, SKD61, HPM, NAK, SUS, SC, SCM, SNCM

【Major equipment】

Cutting machine, Machining center, NC grinding machine, three-dimensional measuring machine, three-dimensional CAD / CAM.

■ Our Strength

We can sales the only drawbench materials (about aeronautical field) produced by Japan domestic. We provide production scheme with "Hitachi Metals, Ltd." a major manufacturer of aviation materials in Japan and a drawbench processing. This method is in demand for heat resistant steels such as A286 and Inconel 718.

■ Needs we can correspond / Business partners we want

- We offer various service such as arranging purchase parts, designing, manufacturing and inspection, which can save your labour. (We have achieved 40% cost reduction from target price.)
- We offer service with low-cost, high quality and short delivery time. (3days is the fastest delivery after your order)
- We offer KAIZEN (e.g. cost reduction by design changes)

■ Office & Plants

Headquarters : 3-7-19 Nishiki, Naka-ku, Nagoya, Aichi 460-0003, Japan

Nagoya Office : 3-308 Fujimae, Minato-ku, Nagoya, Aichi 455-0855, Japan

Toyohashi Office : 51-1 Motoyashiki, Mitsuya-cho, Toyohashi, Aichi 441-3114, Japan

Seto Factory : 16 Higashiyasudo-cho, Seto, Aichi 489-0053, Japan



37 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

38 COMPANY PROFILE

WADA Aircraft Technology Co., Ltd. (AERO GROUP)



Address	72-1 Gogashima, Haruhi, Kiyosu, Aichi 452-0962, Japan
Tel	+81-52-401-4713
Email	alexander@wadass.com
Website	http://www.wadaaircraft.com
Contact Person	Alexander Hammond (alexander@wadass.com) Shin Tada (s_tada@wadass.com)
Capability Category	Workholding Jigs & Fixtures Parts Machining Ground Support Equipment Design Engineering Others
Representative	Noriyuki Wada, President
Sales Amount	US\$9M
Capital	US\$80,000
Employees	70 (as of December 2022)
Established	1955
Certification	AS9100, ISO 9001, MSJ 4000
Group Name	AERO GROUP
Major Customers	Mitsubishi Heavy Industries, Ltd. Subaru Corporation ShinMaywa



■ Business Overview

Design and manufacture of jigs, fixtures, tooling and parts in the following industries: Aerospace, Defence, OLED, Automotive

■ Products • Materials • Part Sizes • Facilities & Equipment

5-Axis NC Machines: RB-250F (1), RB-200F (2)
4-Axis NC Machines: RB-260M (1)
2-Head 5-Axis NC Machine: MGF-41100 (1)
Vertical 3-Axis: MILLAC-611V (2), MILLAC 561V (2)
Gate-Type CMM: CRYSTA-Apex (1)
CATIA V5, Auto CAD, Mastercam, Vericut



Maximum part size: 2.5m × 8m

■ Our Strength

Design and manufacture of vacuum holding jigs/fixtures for the manufacture of sheet metal parts.

Design and manufacture of layup tools for the production of resin/CFRP parts.

Design and manufacture of sheet metal forming dies.

Machining of hard to machine metals such as INVAR and Inconel.

Experience in the aerospace, automotive, and electronics industries.

■ Needs we can correspond / Business partners we want

· Manufacturing of high-mix, low volume tooling and parts.

· Manufacturing and business support for overseas Tier 2 and Tier 1 companies, together with OEMs

■ Office & Plants

HQ

Matsusaka Factory

Nishibiwajima Factory

39 COMPANY PROFILE

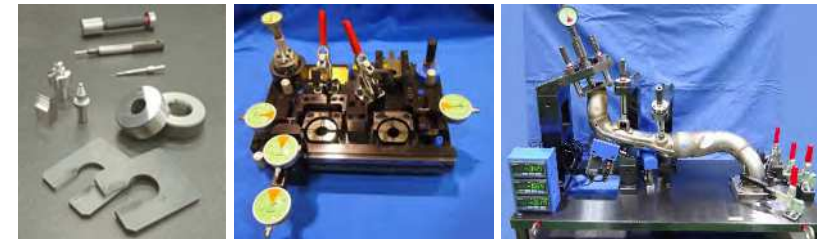
Watanabe Seimitsu industries, LTD



Address	1-59-1 Juichiya, Minato-ku, Nagoya JAPAN
Tel	+81-52-383-8282
Email	info@WSL-G.co.jp
Website	https://WSL-G.co.jp
Contact Person	Naoki Kamiyama
Capability Category	Production machinery and equipment manufacturing
Representative	CEO Masaaki Teranishi
Sales Amount	600 million yen
Capital	24 million yen
Employees	41
Established	1947
Certification	MSJ4000 (Mitsubishi Hevy Industries, LTD) JISQ9100 (January 2024 scheduled to be acquired)
Major Customers	Aerospace-related/automobile-related semiconductor/electrical-related

■ Business Overview

Design and manufacture of high-precision inspection jigs, gauges, tools, and prototypes



■ Products • Materials • Part Sizes • Facilities & Equipment

Products: High-precision inspection jigs, gauges, tools, and prototypes
Equipment: Grinding machine, Machining center, electric discharge machine and inspection equipment

Manufacturing: Complete manufacturing within the Watanabe Seimitsu Industries Group

■ Our Strength

We have a large number of machines that support micron-level precision processing, and processing technology that draws out power beyond machine performance using exclusive jigs and tools manufactured in-house.

■ Needs we can correspond / Business partners we want

High-precision boring of difficult-to-cut materials (ex. Inconel, Ti-6Al-4V)
High-precision grinding of soft processed materials (ex. Copper, Aluminum)
High-precision grinding of non-magnetic material (ex. Stainless)

■ Office & Plants

Headquarters factory only



AICHI PREFECTURAL GOVERNMENT



CITY OF NAGOYA

C-ASTEC

Central Japan Aerospace Industrial Technology Center



AICHI INDUSTRY PROMOTION ORGANIZATION



Nagoya Industries Promotion Corporation



METI
Chubu Bureau of Economy, Trade and Industry



Komaki City



Nagoya Chamber of Commerce & Industry

JETRO

Japan External Trade Organization(JETRO)
JETRO NAGOYA



Greater Nagoya Initiative Center



AICHI-NAGOYA AEROSPACE CONSORTIUM

CONTACT

Next Generation Industry Section, Bureau of Economy and Industry, Aichi Prefectural Government

3-1-2 Sannomaru, Naka-ku, Nagoya, Aichi 460-8501, Japan

TEL +81-52-954-6349 E-mail anac_contact@aichi-nagoya-aerospace.jp URL <https://aichi-nagoya-aerospace.jp/>

AICHI PREFECTURAL GOVERNMENT / CITY OF NAGOYA / Central Japan Aerospace Industrial Technology Center / AICHI INDUSTRY PROMOTION ORGANIZATION / Nagoya Industries Promotion Corporation / Chubu Bureau of Economy, Trade and Industry
Komaki City / Nagoya Chamber of Commerce & Industry / Japan External Trade Organization(JETRO) JETRO NAGOYA / Greater Nagoya Initiative Center / NAGOYA UNIVERSITY / CHUBU UNIVERSITY / Aichi Prefectural University



Website



LinkedIn



Issued in Sep. 2023