

Company Profile

IKEX Industry Co., Ltd.



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Contact Person	Seiichi Watanabe Chief Manager , Sales Section
Capability Category	Tools,Jigs,Molds,Design,Engineering,Measurement



Representative	Hisamitsu Ikegami
Sales Amount	JPY 4.7 billion (Aircraft connection:JPY 54million)
Capital	JPY 70 million
Employees	250
Established	May 1965
Certification	AS9100, ISO9001, ISO14001, OHSAS18001
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, Invar, Resin
Size : MAX 6m×4m×1.2m
- Main equipment
Maximum Nickel electroforming apparatus (60,000ℓ) 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