

# Company Profile

## IKEX Industry Co., Ltd.



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



<b>Representative</b>	Hisamitsu Ikegami
<b>Sales Amount</b>	JPY 4.7 billion (Aircraft connection:JPY 54million)
<b>Capital</b>	JPY 70 million
<b>Employees</b>	250
<b>Established</b>	May 1965
<b>Certification</b>	AS9100, ISO9001, ISO14001, OHSAS18001
<b>Major Customers</b>	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 (60,000ℓ) 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