

ALPHA DESIGN CO.,LTD.

2211-3 Ko, Shigeno, Tomi-city, Nagano 389-0511 Japan
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<http://www.alpha-design.co.jp/>

ALPHA DESIGN

CORPORATE PROFILE

CORPORATE OUTLINE

Company Name ALPHA DESIGN CO.,LTD.
 2211-3 Ko, Shigeno, Tomi-city, Nagano
 389-0511 Japan
 TEL +81(268)64-0088 FAX +81(268)64-0080
 E-MAIL info@alpha-design.co.jp
 WEB SITE http://alpha-design.co.jp/

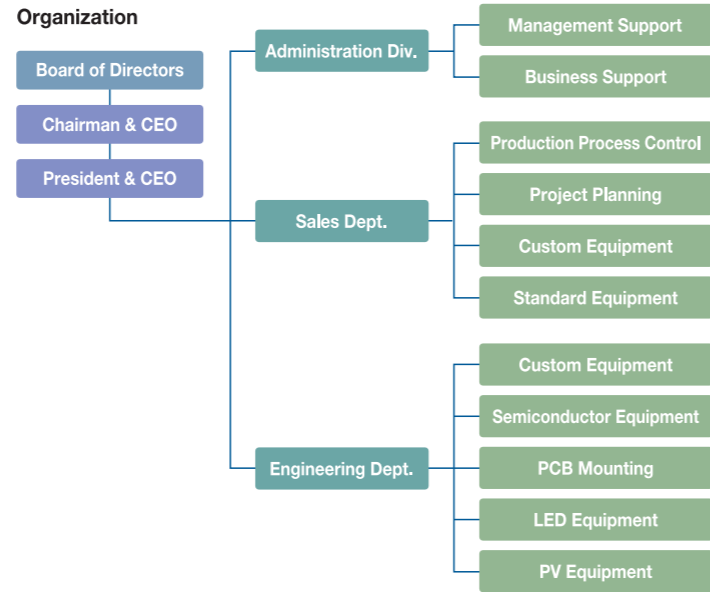
Founded January 19,1989

Capital 195 million yen

Representatives Chairman & CEO Masayoshi Morisawa
 President & CEO Noboru Chiba

Business Description

- Development, manufacturing and sales of FA device
- Development, manufacturing and sales of high-precision mounter for semiconductor
- Development, manufacturing and sales of circuit board mounter



NETWORK

Head Office & Factory

2211-3 Ko, Shigeno, Tomi-city, Nagano
 389-0511 Japan
 TEL +81(268)64-0088 FAX +81(268)64-0080



Saitama Office

Daigo Building 5F, 7-6 Wakitahoncho, Kawagoe-city, Saitama 350-1123 Japan
 TEL +81(49)293-2795 FAX +81(49)293-2796

Osaka Office

Yonezawa Building Daigo Esaka 3F, 1-23-19 Esakacho, Suita-city, Osaka 564-0063 Japan
 TEL +81(6)7653-7484 FAX +81(6)7654-9145

Fukuoka Office

LSI Center (Semiconductor Device)
 #702 3-8-33 Momochihama, Sawara-ku, Fukuoka 814-0001 Japan
 TEL +81(92)832-2830 FAX +81(92)832-2831



Experimental Center (Social System Technologies)
 Lab#205 Experimental Center for Social System Technologies, 1963-4 Higashi, Itoshima-city, Fukuoka 819-1122 Japan
 TEL +81(92)331-8001 FAX +81(92)331-8041



Shanghai Office

TONG QUAN BUILDING 1403, NO.678 Gubei Road, Changning District, Shanghai 200336 China
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The Affiliated Companies

ALPHA TECH

3-4452-20 Hachimanhara, Yonezawa-city, Yamagata 992-1128 Japan
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Tonami Corporation Ltd

636 Yagi, Tonami-city, Toyama 939-1317 Japan
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 WEB SITE http://www.kk-tonami.com/



Nagano Office

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Dalian Alpha Design Co.,LTD.

No 11-1, Guanggu Road, E&T Development Zone, Dalian 116600 China
 TEL +86(411)6677-1917 FAX +86(411)6677-1918



PRODUCTION PROCESS

Advantages of our custom equipment

We offer integrated manufacturing ranging from design to manufacture and implementation of products (production start-up) by making full use of our high precision and reliable mechatronics technologies we have built while developing automation equipment coupled with our customer support quality we have cultivated through delivering custom-made products.

Advantages of our standard equipment

1. Semiconductor Device Market

- To meet the rapidity of technological innovation in semiconductor industry, we focus on developing leading-edge process technologies.
- We propose next-generation process/method by providing high-level semiconductor packaging process and high precision mounting equipments to customers.

2. Printed Circuit Substrate Market

- Making use of our proven experience and expertise along with multitude of sales performance, we contribute to provide high reliable automatic insertion system for discrete electronic parts such as axial, radial and odd-shaped components.
- We have established highly accurate coating process to narrow area and provide film thickness uniformity regarding to the conformal coating on a electric substrate and precise coating of fluorescent and sealant on LED substrate.

3. LED Lamp Market

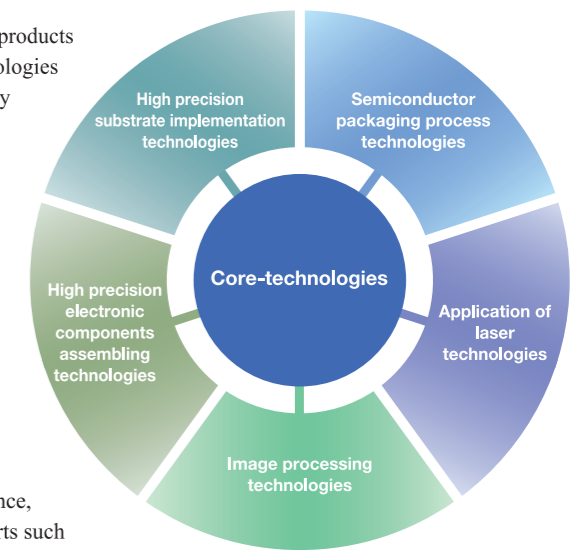
We provide automated assembly line for manufacturing LED lamp by adopting high precision and reliable transfer system we have nurtured while developing custom-made equipments. By taking advantage of our high process technological capabilities we have gained through providing semiconductor packaging process to customers, we diversify our business into LED module manufacturing market.

4. Photovoltaic Market

As a photovoltaic module manufacture equipment business expected as clean energy, we globally develop full-scale module manufacturing facility with high positional accuracy and reliable stringers.

5. Social Information Device Market

We broadly provide products from simple entering or leaving access control to construction of an advanced social information infrastructure with high security and advanced operation management and user-friendliness.



PRODUCTS & SOLUTIONS

Customized Equipment Business Semiconductor packaging Process Automobile component Electronic components Automated Injection line (Injection / Blow)

Standard Equipment Business

Semiconductor Device Market **Printed Circuit Board Market**

- Flip chip bonder (HSB)
- Chip moulder (ACT600 series)
- Chip inspection equipment (ACT-300)
- Package picker (ACT100 series)
- Taping machine (ACT200 series)
- Board-Packer series
- Press-fit connector insertion equipment (APF)
- Conformal coating equipment for printed circuit substrate (ACM)



HSB-300



ACT-330



Board-Packer AMX



APF-100



ACM-200

LED Lamp Market

- LED lamp assembling equipment
- LED module assembling equipment
- LED inspection machine

Photovoltaic Market

- Stringer
- Photovoltaic module assembling system
- Simulator equipment

Social Information Device Market

- Reader/writer (AIC) for entering or leaving a room
- Charging machine for vending machine for shopping for in-vehicle
- Robot gate machine

