

www.a-i-tec.co.jp
A.I. TEC Co., Ltd.

A·I·TEC
Company Brochure

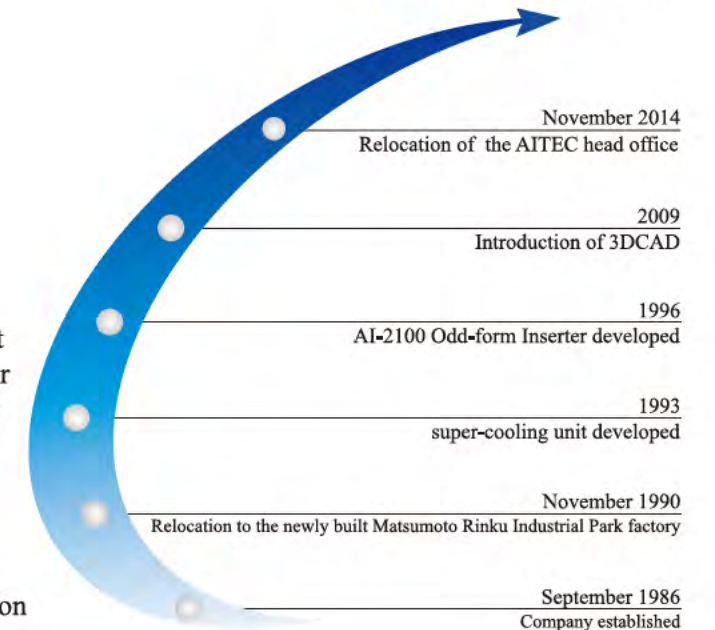
*We are driven by curiosity about the unknown,
the joy of creating, and a human touch*

A.I.TEC

Company Profile

▶▶▶ Company History

Company Name	A.I. TEC Co., Ltd.
Address	4010 -31 Wada Matsumoto, Nagano 390-1242 JAPAN Phone: +81-263-48-1170 Fax: +81-263-48-1173
Capital	40 million yen
Directors	Yorihiko Obayashi, President Kazuhiro Miyazawa, Director Yasuhiko Obayashi, Director
Number of employees	57
Type of Business equipment	Development, design, manufacture, and sales of factory automation



Foreword

We are in the middle of a revolution in information technology.
Technology is continually changing and leading us to a world that no one has ever seen.

At A.I. TEC, we have continually played our part in this revolution,
making factory automation (FA) equipment for the production of electronic components.

We are proud that our machines have made their way into wide variety of items
that are helpful to mankind, such as automobiles, power plants, power motors,
and medical equipment. Even though our work is not directly visible to end-users,
we constantly strive to be the backbone of the technological revolution.

We appreciate the continued support from our staff and customers.

President Yorihiko Obayashi

Major customers (Manufacturers)	AISIN AW CO.,LTD. AISIN SEIKI CO., LTD. Aisin Electronics Illinois, LLC Asahi Kasei Corporation ASMO CO., LTD. ANDEN CO., LTD. ICHIKOH INDUSTRIES,LTD. OOSORA ELECTRONICS CO., LTD. Oki Electric Industry Co., Ltd. OPPAMA INDUSTRY co., ltd. OMRON Corporation OMRON IIDA CO., LTD. Omron Automotive Electronics Co.,Ltd. Calsonic Kansei Corporation KOITO MANUFACTURING CO., LTD. Coper Electronics Co., Ltd. SANKYO-EXCEL CO.,LTD. KYOCERA Corporation Sanken Electric Co., Ltd. CITIZEN ELECTRONICS CO., LTD. SHINANO KENSHI CO.,LTD.	JTEKT Corporation Jeco Co., Ltd. SHINSEI INDUSTRIAL Co.,Ltd. Seiko Epson Corporation Sony Corporation Sony Chemical & Information Device Corporation TAZMO Co.,Ltd. TECHMA CORPORATION DENSO CORPORATION DENSOTRIM CO.,LTD. TOSHIBA CORPORATION TOKAI RIKI CO., LTD. Toyota Motor Corporation Toyota Industries Corporation TOYOTA AUTO BODY CO.,LTD. Nakayo Telecommunications, Inc. NAGANO KEIKI Co., LTD. IBM Japan, Ltd. NIPPON SEIKI CO.,LTD. NEC Corporation NOHMI BOSAI LTD.	Panasonic Corporation Paloma CO.,LTD. HIOKI E.E. CORPORATION Hitachi, Ltd. Hitachi Automotive Systems, Ltd. Hitachi Car Engineering Co., Ltd. Fujitsu Limited Fujitsu Ten Limited FUJITSU TEN ESPANA D S.A. FUJITSU TEN PORATION OF THE PHILPPEES. FUJI ELECTRIC CO., LTD. Furukawa Electric Co., Ltd. HOYA MEDICAL SINGAPORE PTE LTD Honda elesys Co.,Ltd. Elesys North America Inc. Zhongshan Elesys Bosch Corporation MATSUO ELECTRIC CO.,LTD. Mitsubishi Electric Corporation RIKA DENSHI CO., LTD.
	ETOSHOUI CORPORATION SANKO SHOJI CO., LTD. Seika Machinery, Inc. DAIICHI JITSUGYO CO., LTD. Toyotsu Machinery Corporation	TOAMEC. Inc. TOYO CORPORATION Toyota Tsusho Corporation Nihon Denkei co.,ltd. Precision Tools Service, Inc.	MARUBUN CORPORATION MITACHI CO., LTD. Ryoden Trading Co.,Ltd.
Major customers (Trading companies)			
Our banks	THE NAGANOBANK, LTD. The Hachijuni Bank, Ltd.	Mizuho Bank, Ltd. Resona Bank, Limited.	The Shoko Chukin Bank, Ltd. Japan Finance Corporation

Our Corporate Philosophy

“Curiosity about things unknown”
 “Joy of creation”
 “Kindness towards people”

The values we hold highest are “curiosity about things unknown” , “joy of creation” , and “kindness towards people” .

We believe that these philosophies provide the motivation to create better products.

By doing this, we at A.I. TEC hope to be seen as a company that is necessary to the world.



What Makes Us Different

Responding to our customer’ s needs

We design to suit the customer’ s needs with regard to specifications like safety standards, layout, operability, maintenance, and compatibility with servers and other external devices. When clients ask us for something we have not made before, we sit down with them and develop exact ideas and designs together.

Seamless product development from design to manufacture

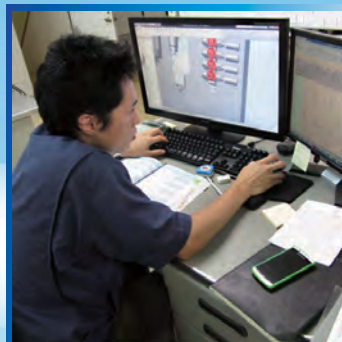
A single engineer is responsible for a given project, from initial meetings, to manufacture, to final on-site adjustments. This common link can respond to the most detailed of customer requests and leads to a high level of ownership and know-how about our customers and their requirements.

Unquestionable reliability

Our long list of achievements with a variety of customers is testament to our strong reliability. We have reached this point by working tirelessly, one step at a time, to fulfil our numerous clients’ rigorous demands. With know-how cultivated over many years, we bring the customer’ s ideas to life.

Use of 3D CAD

We design all new orders with 3D CAD. This not only increases the precision of our designs, but also facilitates the sharing of information among our engineers, which is one of the secrets to our success. Customers also appreciate the accuracy and transferability of data when developing new devices with us.



Product Line-up

Development of our products has centered around the process of inserting components of varying sizes into printed circuit boards. In particular, our odd-form component inserters and low- and high-temperature testers have earned us great acclaim in the factory automation industry.

▶▶▶ We invite you to read about our products on the following pages and refer to indicated pages for exact specifications on our equipment.

See pages 7 & 8



Lead Component Inserters

For inserting different sized components, such as semiconductors, condensers, and resistors, into a single printed circuit board (PCB). Our patented XY03 is a robot that rotates PCBs. Our inserters are used in the production of electronic automobile devices and electronic gaming.

See pages 9 & 10



Low- and High-temperature Tester

For low- and high-temperature testing of electronic automobile components and integrated circuit boards. The tester can be used for in-line operation for up to a week of continuous operation at a temperature of -40°C. When sealed airtight, it can run continuously for a month.

See page 11 & 12



Refrigeration Units

The heart of our low- and high- temperature testers. Using a proprietary dual-compression system instead of liquid nitrogen, our patent-pending cooling systems are economical, precise, and can be operated continuously.

See pages 13 & 14



Coating Machine

For application of moisture-proof coating to equipment such as electronic automobile components, power generators, and air conditioners. Provide us with your coating specifications and a test piece to see a sample of our work, or visit our plant for a live demonstration.

See pages 15



Dryer, Hardening Furnace, Low-temperature Chamber

For bringing materials to desired temperatures and/or temperature maintenance for specified amounts of time. These devices are found in applications such as low- and high-temperature testing, drying of moisture-proof coating, and hardening of pottery as kilns. Available in elevator, turntable, flat, and shoe-rack types.

See page 16



Other Devices

We also develop machines for soldering (flow, iron, and laser types) welding, pottery, assembly, image analysis, segmentation of printed circuit boards, handling of integrated circuits, and all kinds of testing.

Lead Component Inserters

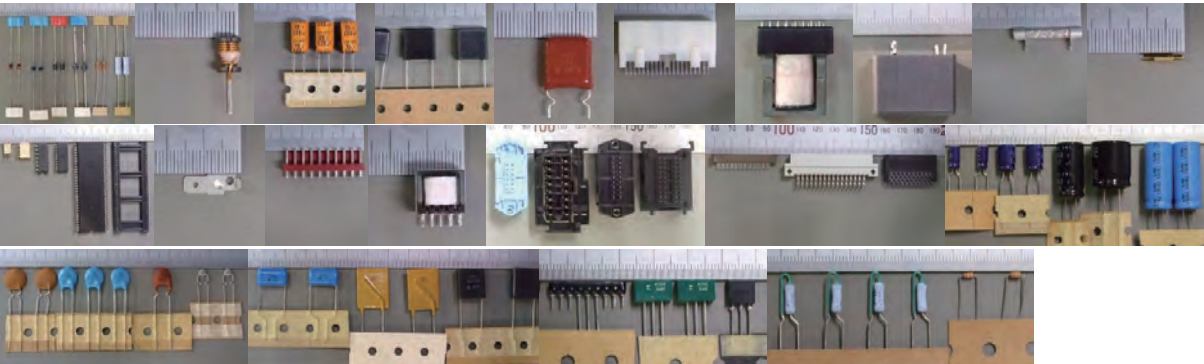
This device can insert a variety of different sized components into a single printed circuit board (PCB). Our patented XYθ3 is a robot that rotates PCBs for maximum efficiency.



Features

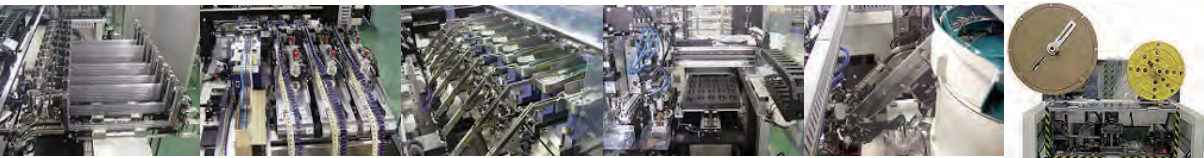
Handles various types of components

Examples include radial and axial components, integrated circuits, connectors, fuses, transformers, relays, and hoop components.



Compatible with all types of feeders

Examples include stick, radial, axial, parts, tray, and hoop feeders.



Space-saving design

Inserters are easy to move and can be adapted to a variety of manufacturing conditions.

Built for non-stop operation

In the case of a miss-insertion, continuous operation is possible thanks to an auto-retry feature.

Error-avoidance function

Any finished pieces remaining in the machine are automatically removed by an error-avoidance feature to ensure that assembly of the proceeding piece is unaffected.

Easy-to-handle stick feeders

A.I. TEC stick feeders have the following features

- Components can be loaded into the feeder during operation in most cases.
- Components can be loaded easily and securely as they are set in a horizontal position.
- Feeder design reduces the chance of jamming.

Direct import of CAD data

The customer's CAD data can be imported to each machine to reduce programming time.

Product Specifications



Model number	AI-2200
Description	Quick and accurate insertion can be done at any angle by rotating the PCB. Feeder module holds up to 10 components and can be reloaded during operation. PCB handling table X, Y, and θ angles are all adjustable. Robot heads move along x and z axes.
Dimensions	Width: 950 mm with 1 head and 1 component loaded Depth: 1200 mm Height: 1600 mm
PCB size	60 x 60mm - 330 x 250 mm
Power supply	AC 200V ± 10% 50/60Hz
Air pressure	0.5 MPa



Model number	AI-2600
Description	A conventional pick-and-place inserter for fixed-position PCBs. If equipped with a tool changer, it can insert an entirely different type of component in the same operation cycle. Robot heads move along X, Y and Z axes and θ angle.
Dimensions	Width: 885 mm with 1 head and 1 component loaded Depth: 1620 mm Height: 1700 mm
PCB size	60 x 60mm - 330 x 250 mm
Power supply	AC 200V ± 10% 50/60Hz
Air pressure	0.5 MPa



Model number	AI-2500
Description	Compact and economical inserter. Perfect as a cell machine in automatic insertion lines. It has a PCB handling conveyer at an X angle and robot heads moving along Y and Z axes and θ angle.
Dimensions	Width: 700 mm with 1 head and 1 loaded component Depth: 860 mm Height: 1600 mm
PCB size	60 x 60mm - 330 x 250 mm
Power supply	AC 200V ± 10% 50/60Hz
Air pressure	0.5 MPa

Low- and High-Temperature Tester

This is an inspection machine for electronic components and integrated circuits. For one major client, an increasing percentage of automobile parts have become electronic. As these parts will be subjected to severe outdoor driving conditions, their reliability must be assured since people’s lives are at stake. When temperature is a factor, operation must be normally be guaranteed from -40°C to 120°C. Each piece must be inspected, so an efficient in-line inspection process is essential.



Features

Low temperature

Testers can attain temperatures of -40°C or lower, depending on conditions.

High temperature

Testers can attain temperatures of up to 160°C.

Production line integration

Enables in-line inspection for increased efficiency.

Continuous operation

Testers can be continuously operated for a week. With a weekly timer, they can be set to defrost at on a Friday or Saturday and resume operation at -40°C on the following Monday.

No liquid nitrogen necessary

Proprietary dual-compression system eliminates the need for liquid nitrogen.

Refrigeration control

Refrigeration units are all developed in-house to enable precise temperature control. Choose from our AI-870 (3HP, water-cooled), AI-860 (2HP, air-cooled), and AI-830 (2HP, water-cooled) models.

Broad experience

A.I. TEC has worked with a wide range of companies to meet their refrigeration needs. Please contact us if you have specific refrigeration requirements.

Examples of Product Development



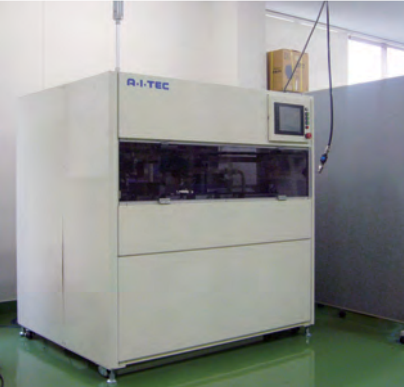
Model name Space-saving Low- and High-temperature Tester
Description Tests manually-fed PCBs and low and high temperatures.
Minimum temperature - 30°C
Maximum temperature 100°C
Chamber Flat type
Refrigeration Integrated
Dimensions Width: 855 mm, Depth: 1737.5 mm, Height: 1260 mm



Model name Low- and High-temperature Tester No. 1
Description Continuously tests pieces fed from pallets 4 at a time by cooling and heating, removes defective parts, and feeds remaining pieces on to the next process.
Minimum temperature - 40°C
Maximum temperature 100°C
Chamber Elevator type
Refrigeration Two air-cooled AI-860 models
Dimensions Width: 1920 mm, Depth: 3390 mm, Height: 1881 mm (sampler, refrigeration unit, air dryer, and heater separate)



Model name Low- and High-temperature Tester No. 2
Description Continuously tests pieces fed from pallets 4 at a time by cooling and heating, removes defective parts, and feeds remaining pieces on to the next process.
Minimum temperature -30°C
Maximum temperature 80°C
Chamber Flat type
Refrigeration Three water-cooled AI-870 models
Dimensions Width: 1200 mm, Depth: 10520 mm, Height: 1705 mm (sampler, refrigeration unit, air dryer, heater, and spot cooler separate)



Model name IC Handler AI-1000
Description Demonstration model. Makes use of transport systems like tray changer and pick-and-place units, linear conveyors, spike conveyors, and vertical index sock-plates. Ample space is provided around the contacts to accommodate existing test heads, which can be customized to suit the customer’s specifications.
Minimum temperature -65°C
Maximum temperature 150°C
Chamber Flat type
Refrigeration Integrated
Dimensions Width: 1660 mm, Depth: 1300 mm, Height: 1600 mm



Model name Edging Unit
Description Holds a piece previously cooled to -40°C in a 125°C chamber for 60 minutes and runs an electrical current through it. Since the chamber resembles a Japanese shoe-rack, the unit is referred to as the “shoe rack” edger.
Minimum temperature 125°C
Refrigeration Shoe-rack type
Dimensions Width: 1600 mm, Depth: 1500 mm, Height: 1500 mm (1925 mm when projected) (sampler separate)

Refrigeration Units

A.I. TEC manufactures extra-powerful refrigeration units that can attain temperatures as low as -65°C without the use of liquid nitrogen.

Units run much more efficiently and safely compared to conventional liquid nitrogen coolers. They can be run continuously for long periods of time, can be easily adapted to installation plans and changes in production line layout, and can be used at room or high temperature conditions.

A wide range of temperatures can be obtained with a single unit. Refrigeration units are mainly used in low- and high-temperature automobile electronic component testing lines and medical equipment manufacturing lines.



Features

Wide range of temperature control

Units can attain temperatures of -65°C to -125°C.

Precise temperature control

Maintains desired temperatures within tolerances of ±0.1°C.

Low running cost

Maintains extremely low temperatures in testing units by circulating cold air instead of liquid nitrogen.

Efficient refrigeration system

Uses a two-step refrigeration process to circulate extremely cold air very efficiently in a small space.

Diverse line-up

Both air-cooled (AI-860) and water-cooled (AI-830) models are available. The water-cooled AI-870 model is a recent addition to our product line with greatly increased cooling power in a small unit.

Extended continuous operation

Units can run continuously for periods of up to 168 hours.

Flexible layout planning

Layout planning and changes are simpler than for systems requiring liquid nitrogen.

Easily controllable

Units can be monitored and adjusted easily by matching control devices developed by A.I. TEC.

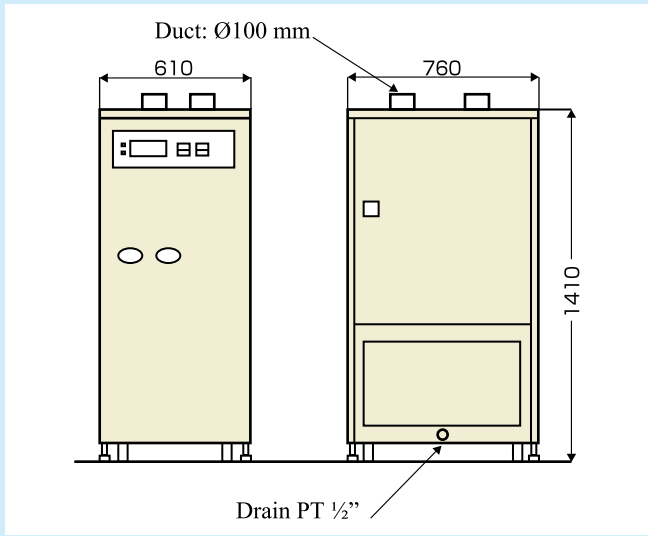
Safe

There is no longer a risk of injury or oxygen shortage from a nitrogen leak.

Environmentally friendly

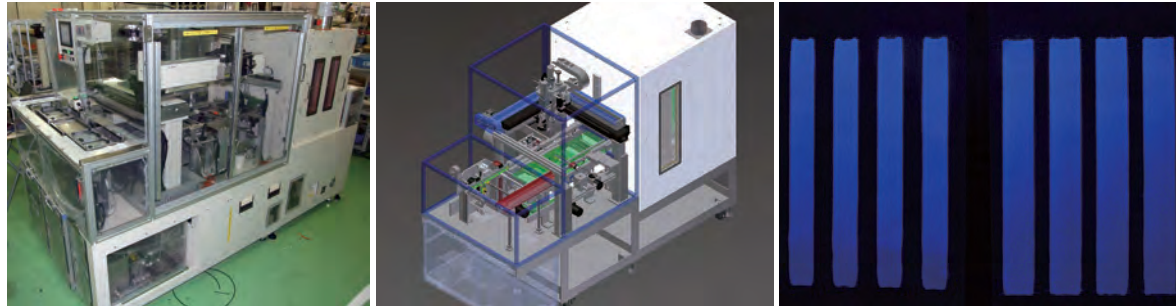
Units use a refrigerant that does not harm the ozone layer.

Product Specifications

Model name	AI-829	AI-860	AI-830	AI-870
Cooled air	Fresh air	Circulated air		
Temperature range	-60°C to -40°C	-65°C to 125°C		
Tolerance	-	± 0.1°C		
Continuous operation time	1 Week			
Cooling capacity	1.5 kW	1.5kW	1.5kW	2.2kW
Air Flow Rate	590ℓ/min	17.5m ³ /min		
Dimensions	W: 610 mm D: 760 mm H: 1250 mm	W: 610 mm, D: 760 mm, H: 1410 mm 		
Weight	200kg	270kg	280kg	280kg
Power supply	AC 200V ± 10% 50/60Hz			
Energy consumption	4.9kW	7.2kW	7.0kW	9.6kW
Air pressure	0.4 ~ 0.5MPa			
Cooling system	Air		Water	
Water Supply	-		24 l/min	33 l/min

Coating Machine

Coating equipment is widely used in the application of moisture-proof coating to products such as electronic automobile components, printed circuit boards used in power stations, fire alarms, power meters, and outside air-conditioning units. Such devices are all used in harsh operating environments and require a high degree of reliability.



Nozzle type Film

Features

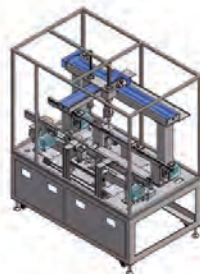
Uniform coating

Our engineers employ two strategies to ensure that our film coating is applied evenly.

- Monitoring and control of coating film width using special sensors.
- Maintenance of optimal coating material temperature. The coating liquid is first heated to the proper temperature and then circulated in a pump unit to keep the temperature constant.

Nozzle flexibility

Units can accommodate both film and jet type nozzles, as shown in the figure on the right.



Customization

We can meet the customer's requests related to specifications that include double-sided coating, tilting, double heads, masking, terracing (automatic or manual), barcode reading, pieces with distinctive shapes, server connections, safety requirements, use of specific equipment, and use in combination with a dryer.

Moisture-proof coating

We have extensive experience with a variety of products, such as Humiseal, Elepcoat, tuffy, and Fluoro coat.

Compact pump unit

It is important to control viscosity and temperature to ensure even application of film.

Earlier circulation pumps designed for this function were 800 mm wide, 610 mm deep, and 1150 mm high.

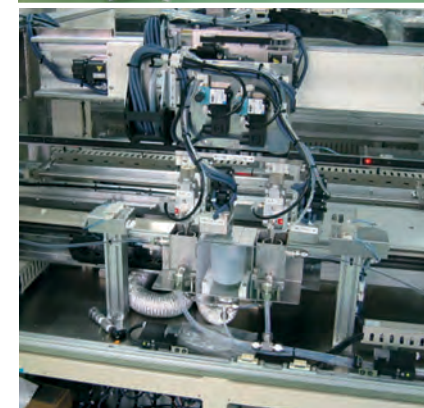
At present, our latest pump unit is more compact and located under the coating mechanism to save space.



Examples of Product Development



Model name	Space-saving Double-side Coating Unit and Dryer
Description	Applies and dries a moisture-proof coating to both sides of a PCB. The unit is compact since the pump is located under the coating mechanism. Since the drying temperature is as low as 40°C, we encased the drying furnace with transparent, static-resistant PET. No pallets necessary.
Nozzle type	Film
Drying temperature	40°C
Drying time	10 min
PCB size	80 x 80mm-330 x 250 mm, t 1.2-1.6
Cycle time	60 seconds
Dimensions	Width: 250 mm, Depth: 1200 mm, Height: 1750 mm



Model name	Double-side Coating Unit (double head, masking) and Dryer
Description	A coating machine with a variety of features: <ul style="list-style-type: none"> • Paints both sides. • To reduce cycle time, one robot maneuvers two heads at once, coating two pieces simultaneously. • To avoid areas where coating is not desired, a masking apparatus is mounted before coating on one side and removed afterwards. • Drying is with an elevator type dryer. • Automatic setup.
Nozzle type	Film
Pallet size	390 x 240 x 65 mm
Cycle time	20 seconds
Dimensions	Width: 1600 mm, Depth: 4000 mm, Height: 1500 mm



Model name	Jet Dispenser Coating Unit and Dryer
Description	Combination painter and dryer
Nozzle type	Jet
PCB size	330 x 80mm-250 x 80 mm, t 1.2-1.6
Cycle time	120 seconds
Dimensions (coating unit)	Width: 850 mm, Depth: 800 mm, Height: 1600 mm
Dimensions (dryer)	Width: 700 mm, Depth: 1730 mm, Height: 1100 mm



Model name	Simple Coating Unit and Dryer
Description	Coats one side of a PCB supplied from a loader and sends it to a dryer. The dryer is a custom-built elevator type unit. Dried pieces are transferred to an unloader.
Nozzle type	Film
PCB size	100 x 100mm – 330 x 250 mm, t 1.2 – 1.6
Cycle time	60 seconds
Dimensions	Width: 1050 mm, Depth: 700 mm, Height: 1640 mm

About Sample Creation

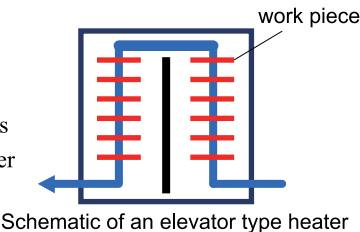
We will gladly provide coating samples upon receiving the coating material, dilution liquid, work piece, and coating requirements. Afterwards, we have the customer review the completed piece and a video presentation, then proceed with discussions. Please contact us anytime if you would like to trial our products.

Hardening Furnaces - Dryers - Low Temperature Chambers

We consider temperature-related equipment to be our specialty. In response to customer requests, we have manufactured a variety of dryers, hardening furnaces, and low-temperature chambers. We not only make simple furnaces, but also frequently combine them with low- and high-temperature testers and coating machines.

Elevator-type Furnaces

- Our elevator-type furnace is equipped with the following features
- Saves space and holds down running costs by using space in three dimensions
 - Can be converted into a hardening furnace, dryer, or low-temperature chamber through connection to a heater or refrigeration unit.





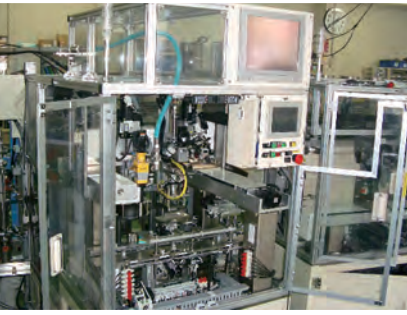

Examples of Product Development

	Model name Elevator-type Dryer Description Dries a PCB previously coated with moisture-proof material. The chamber has two sections – circulating hot air is applied only in the second compartment to keep bubbles at a minimum. Temperature 80°C Heating time 10 minutes PCB size 100 x 100 mm – 330 x 250 mm, t 1.2 – 1.5 Cycle time 30 seconds Dimensions Width: 1565 mm, Depth: 765 mm, Height: 1950 mm (2300 mm including piping)
	Model name Elevator-type Baking Furnace Description Work pieces are placed on a pallet by robot, heated in the furnace, and then removed by robot. Temperature 120°C Heating time 180 minutes Work piece size 80 x 85 x 1 mm Cycle time 20 seconds Dimensions Width: 3030 mm, Depth: 955 mm, Height: 2150 mm
	Model name Shelf-type Pallet Hardening Furnace Description Work pieces are placed on shelf pallets by robot, heated in the furnace and cooled, and then removed from pallets by robot. The pallets automatically revolve inside the furnace. Temperature 150°C Heating time 40 minutes Work Piece size 100 x 100 x 25 mm Cycle time 30 seconds Dimensions Width: 1100 mm, Depth: 2250 mm, Height: 1500 mm
	Model name Turntable-type Low-temperature Chamber Description Cools manually inserted work pieces for 60 minutes that can then be manually removed one at a time. Temperature -40°C Cooling time 60 minutes Work piece size 100 x 100 x 25 mm Cycle time 26 seconds Continuous operation time 144 hours Dimensions Width: 880 mm, Depth: 880 mm, Height: 1900 mm Dimensions of refrigeration unit Width: 760 mm, Depth: 610 mm, Height: 1420 mm

Other Devices

We have a long history of developing a variety of products for our customers, such as soldering units (dipping, laser, and iron types), welders, potting units, assemblers, PCB separators, and all types of testers.

Examples of Product Development

	Model name Soldering Unit (dipping type) Description Work pieces inserted by an operator are coated with flux, preheated, soldered, and ejected after cooling. Dimensions Width: 1300 mm, Depth: 1650 mm, Height: 1800 mm
	Model name Soldering Unit (laser type) Description This machine solders connection leads inserted through holes in PCBs by application of a cream solder, preheating, and laser soldering. Dimensions Width: 2200 mm, Depth: 1000 mm, Height: 1500 mm
	Model name Covering Machine Description This unit applies adhesive to an aluminum die cast and places a cover on it. The adhesive coating is checked by an imaging process. The cover is pressed into place after grease is applied. Dimensions Width: 850 mm, Depth: 1200 mm, Height: 1500 mm
	Model name Welding, Pottery, and Hardening machine Description Welds terminals, pours resin into them, and applies heat to harden. Dimensions (welding and pottery unit) Width: 2190 mm, Depth: 6370 mm, Height: 1900 mm Dimensions (hardening unit) Width: 1400 mm, Depth: 3115 mm, Height: 1900 mm

From Our Employees

We get fired up even at lunch break.



Shooting hoops at lunchtime

Our employees do a lot together even outside of work, so the atmosphere is very relaxed. Employees often bring vegetables and fruit from their garden, as well as wild mushrooms gathered from the nearby mountains.

Mid-year and year-end gifts from customers are shared among staff. There are basketball hoops and a badminton court on the premises that are always in use during break times.

Staff members work hard and play hard - they even get excited over radio-controlled car races! Every year, employees grow corn, green beans, blueberries, and other crops in the company garden.

Our office looks out onto the Northern Alps: a real picture-postcard view



Kamikouchi in summer

A.I. TEC is located in Rinku Industrial Park in Matsumoto, Nagano. It is a 30-minute drive to Kamikouchi, during which the beautiful scenery of Azumino spreads out before you. In fact, many of our engineers were attracted to the company from all parts of Japan by the fascinating natural beauty of this area.

Delicious soba (buckwheat noodles) and apples, the majestic Matsumoto Castle, and art museums dotting the countryside give visitors plenty to write home about. We invite you to pay us a visit and experience this magnificent area for yourself!

We are a tight group of engineers. 80% of full-time employees are designers

From initial meetings with the customer to design, manufacture, and on-site adjustments, the same engineer takes charge of a project from start to finish in our system, which leads to a strong sense of responsibility and pleasure in creating. Our engineers are highly motivated and take pride in their work.

To assist and empower engineers, A.I. TEC was one of the first companies to introduce 3D CAD.

This is just another example of the adaptability and pro-activity that has become our trademark.



Putting it all together

Our customers depend on us to give them what they need, so we take our work seriously."



Rafting with the President on a company trip to Australia

Our President was originally an engineer and freezer manufacturer himself. Owing to the fact that he founded the company out of enthusiasm for making things, he places immense value on his employees' attitudes towards making things work.

He assumes responsibility without nit-picking, and gives his people the space and resources to handle even the biggest challenges.

The company has a resort house with a natural hot spring bath. What animals will we meet today?"

A.I. TEC has a resort house in Azumino approximately 30 minutes' drive from the office that is available any time for employees to use with their families. Naturally, it's also a great place for our people to strengthen their ties.

The house is in a naturally beautiful area. At night, the starry sky is particularly inspiring. We sometimes see wild animals like monkeys, raccoons, squirrels, deer, and bears.

