

## HIGHTEC SYSTEMS CORPORATION

### SHINYOKOHAMA HEAD OFFICE

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### KUMAMOTO SALES CENTER

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### FUJI TECHNICAL CENTER

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### KYUSHU PARTS CENTER

2121 Onohara-cho, Izumi-City, Kagoshima, 899-0216, Japan  
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### TAIWAN OFFICE

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### KOREA OFFICE

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### COMPANY GUIDE

MESSAGE  
PHILOSOPHY  
LOCATION  
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ABOUT US



### BUSINESS GUIDE

REUSE BUSINESS  
ENGINEERING BUSINESS  
ADVANCED SYSTEM BUSINESS



### PRODUCT CATALOG

ADVANCED SYSTEM BUSINESS



### ACHIEVEMENT

REUSE BUSINESS  
ENGINEERING BUSINESS  
ADVANCED SYSTEM BUSINESS



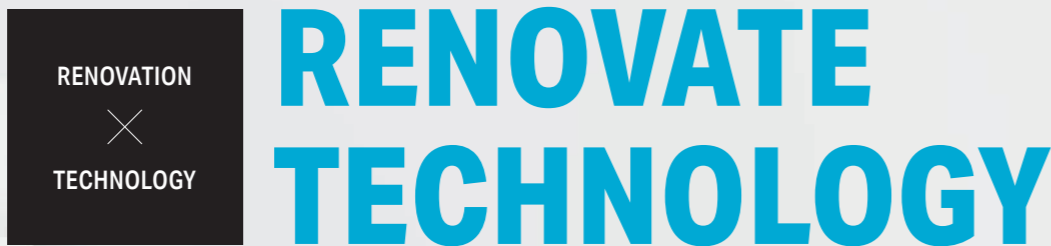
# Renovate Technology

## TURNING DEMAND INTO GROWTH

As a leading company in the field of renovation technology

Electronic devices are used in many things around us, from home appliances and cell phones to medical and industrial equipment, and they continue to evolve every day. In the process of this evolution, manufacturing factories must overcome the challenge of using existing production lines to manufacture new devices. To refurbish and introduce used equipment in the semiconductor and FPD industries, a wide range of technical expertise is required, including "diagnosis and assessment," "cleaning and neutralization," "disassembly and restoration," "logistics," "line construction," "modification and regeneration," and "precision adjustment."

As a leading company in the comprehensive technologies of the "renovation technology" necessary for utilizing used equipment, Hightec Systems provides our customers with the best service.



### THE THREE BUSINESS AREAS OF HIGHTEC SYSTEMS

We offer services to bridge the gap between device manufacturers and equipment manufacturers with Renovate Technology, which refurbishes and reuses a wide variety of used equipment with high technological expertise.



#### REUSE BUSINESS



Our extensive track record of transactions in the semiconductor and FPD industries has enabled us to develop an overwhelming inventory capability. We match "sell" and "buy" with optimal matching and support introduction with advanced technological expertise.

**MAINTENANCE PARTS**  
We maintain a stock of over 100,000 items at all times.

**MECHATRONICS PARTS BUSINESS.**

#### ENGINEERING BUSINESS



We provide one-stop technology that can handle everything from the relocation of manufacturing lines to the customization, reconstruction, and refurbishment of existing lines to extend their lifespan.

**LINE RELOCATION ENGINEERING**

**REFURBISHMENT ENGINEERING**

**RECONSTRUCTION ENGINEERING**

**REMOVAL ENGINEERING**

#### ADVANCED SYSTEM BUSINESS



We value the training of engineers who can provide advanced device-related equipment highly valued in Europe and the United States to our domestic customers. In addition to importing and selling equipment, we also provide performance evaluations using demo equipment, as well as after-sales support after start-up and modifications for productivity improvement.

**FILM DEPOSITION**

**ETCHING**

**ANNEALING**

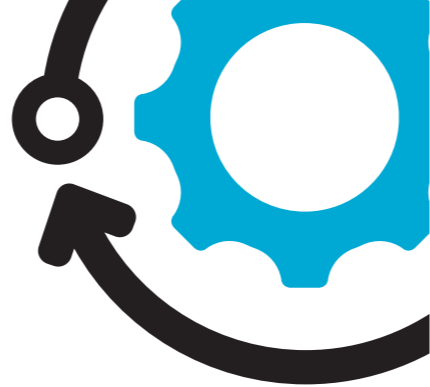
**RESEARCH AND DEVELOPMENT**

**FAILURE ANALYSIS**

## REUSE BUSINESS

Are used equipment a thing of the past?

No, it's a regenerative business that leverages the past for the present.



## For optimal matching of customers' selling and buying needs

From our inception in 1991 to the present, our extensive experience in buying and selling in the semiconductor and FPD industries has enabled us to maintain an unparalleled inventory capability. From large mass production lines to single parts that are more than 30 years old, we provide the best match between "want to sell" and "want to buy" for our customers, and support their introduction with our advanced technical capabilities.

### INVENTORY STRENGTH

The world's strongest inventory strength.

FPD manufacturing equipment.  
We always maintain a stock of over 200 semiconductor.

### KNOWLEDGE

Extensive knowledge and experience.

#### TRACK RECORD

- 22 lines of LCD production
- 10 lines of touch panel reconstruction
- 17 lines of color filter production
- 13 lines of semiconductor device production



### PASSION

Uncompromising

One-stop support for import and export between Japan and overseas.

### TECHNICAL CAPABILITY

The design of the equipment is in line with the needs of our customers.

Accurate assessment by highly skilled engineers with strong technical expertise.

## ENGINEERING BUSINESS

Relocation and Refurbishment of Semiconductor and FPD Production Lines



## We offer the best solutions based on the knowledge and technologies we've developed over the years.

Since our inception, we have strengthened our engineering capabilities to ensure our customers can bring in used equipment with confidence. From relocating production lines to customizing existing lines and extending life through refurbishment, We pride ourselves on being a one-stop engineering shop.



### LINE RELOCATION ENGINEERING

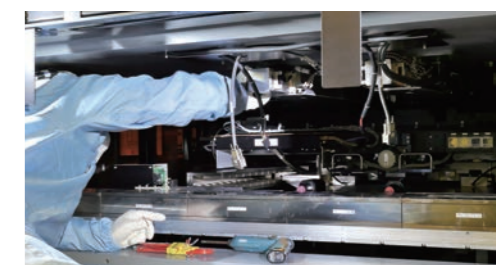


We offer comprehensive services for factory relocation, from dismantling to reassembly.

- Domestic consolidation of regional factories
- Relocation from Japan to overseas or vice versa
- Relocation within the company's own facilities



### REBUILDING ENGINEERING

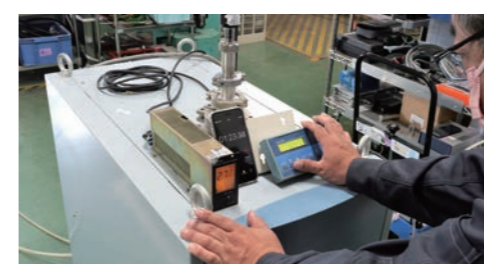


We can provide flexible support for equipment replacement and specification changes.

- Reconfiguration from one line to another
- Selection of individual machines from a line
- Changes in device specifications such as substrate size



### REFURBISHMENT ENGINEERING



We can offer refurbishment services to various manufacturing process equipment to extend their lifespan, including.

- Diagnosis and repair of faulty components
- Overhaul of equipment
- Clean-up of equipment



### REMOVAL ENGINEERING



We handle the removal of industrial facilities and manufacturing equipment.

- Purchase of used equipment
- Repair of inventory equipment
- Disposal of industrial waste
- Purchase of parts
- Purchase of material resources



We purchase and sell used parts and accessories

## MECHATRONICS PARTS BUSINESS

We are engaged in a parts sales business centered on Kyushu Parts Center in Izumi City, Kagoshima Prefecture. In our main field of LCD manufacturing equipment/semiconductor manufacturing equipment sales/purchase business, we have an overwhelming inventory of approximately 100,000 parts and accessories. We have a wide range of parts, including those that are difficult to obtain in a short lead time, as well as those that have been discontinued from production, and we are committed to fulfilling the needs of "I want it now." Thanks to this, we have received numerous inquiries not only from the semiconductor and FPD industries but also from customers in the food, agriculture and forestry, and steel industries.

STOCKED	SALES VOLUME
More than 100,000 parts in stock	20,000 units or more
SALES TRACK RECORD	
Over 1,900 domestic and overseas companies.	

- PLC Programmable Logic Controller
- Motor & Driver
- Power Supply
- Touch Panel
- Static Control Equipment
- Vacuum Pump
- Chiller
- Compressor
- etc...

# ONE STOP TOTAL SOLUTION

We have all the answers for you.

# ADVANCED SYSTEM BUSINESS

Providing services for the relocation and refurbishment of semiconductor and FPD production lines.

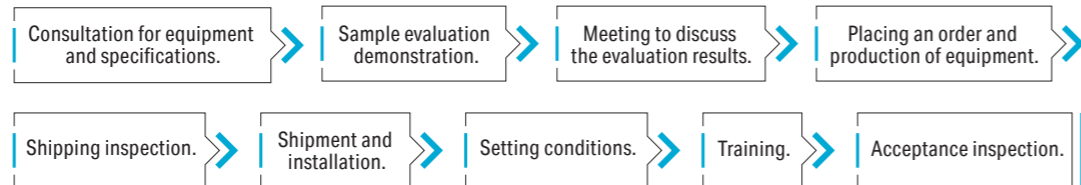
## Engineering technology that links advanced systems from overseas with the needs of our customers.

We place great importance on cultivating engineers who can provide advanced device-related equipment that is highly valued in European and American countries to our domestic customers. In addition to importing and selling equipment, we also provide support after start-up, including performance evaluation using demo equipment and modification for productivity improvement.

### THREE CHARACTERISTICS

- 1 Both domestically and internationally **Comprehensive demo services**
- 2 Both domestically and internationally **Robust manufacturer support system**
- 3 Experienced **Domestic engineers**

### BUSINESS FLOW



### AFTER FOLLOW

- Provision of spare parts
- Customization of specifications
- Support by domestic engineers
- Coordination with overseas manufacturer engineers
- Remote support

### PARTNER COMPANIES

<p><b>ION BEAM</b> scia Systems</p> <p>Provide advanced and high-precision surface treatment equipment based on high-performance ion beam and plasma technology.</p>	<p><b>CUSTOMIZED R&amp;D</b> PLASMIONIQUE</p> <p>Design and sales of plasma, laser and vacuum-based equipment for use in customized R&amp;D/R&amp;D and small-scale production</p>
<p><b>ALD</b> Veeco</p> <p>Supplies over 550 ALD (Atomic Layer Deposition) systems to research and development institutions and manufacturing sites around the world.</p>	<p><b>PLD/PED</b> Neocera</p> <p>PLD/PED equipment for thin film deposition and several optional instruments for in-situ thin film diagnostics</p>
<p><b>ICP-RIE/ICPECVD</b> SENTECH Instruments</p> <p>An equipment manufacturer that sells plasma etching systems, PECVD, ALD, and thin film measurement equipment to research and development institutions as well as manufacturing sites worldwide.</p>	<p><b>FAILURE ANALYSIS</b> Neocera Magma</p> <p>Failure Analysis / Provides inspection equipment for failure analysis that is equipped with a superconducting magnetic sensor and can detect various static defects in devices with high sensitivity</p>
<p><b>RTP</b> ANNEALSYS</p> <p>Provide high-speed thermal processing (RTP) equipment, liquid material vaporizers, and DLI-CVD/DLI-ALD equipment.</p>	<p><b>UNPACKING THE PACKAGE</b> JIACO Instruments</p> <p>Package opening/providing opening equipment for failure analysis adapted to packages of state-of-the-art ICs and other devices.</p>

## TWO CENTERS AT HIGHTEC SYSTEMS

Stored in a temperature-controlled environment and tested for cleanliness and function, we make no compromises to ensure you can take advantage of one of the largest inventories in the world.



### 1 Quiet and clean air at the foot of Fuji FUJI TECHNICAL CENTER

67-7, Shimowada, Susono-City, Shizuoka, 410-1105, Japan  
TEL +81-55-965-0888 FAX +81-55-965-0899



#### SPECIFICATIONS

- Building area** 1F 2,160 m<sup>2</sup> 2F 4,259 m<sup>2</sup>
- Clean room area** 1F 1,975 m<sup>2</sup> 2F 105 m<sup>2</sup>
- Utilities** 100V/200V, compressed air, vacuum, cooling water
- Cargo handling equipment** 3.5-ton and 13.5-ton forklifts, indoor reach forks



Large-scale facility capable of storing inventory equipment, checking equipment operation, and refurbishing equipment!

This facility was opened in November 2008 to function as an inventory storage and refurbishing plant. With a total floor space of 9,900 m<sup>2</sup> (including a clean room of 2,600m<sup>2</sup>), the facility is used for the integrated management of used equipment as well as equipment refurbishment, modification, and operation checks.

- Building area 6,400m<sup>2</sup>
- Clean room management
- Equipment tours
- Operation checks
- Large equipment can be brought in and out

### 2 Base for semiconductor and FPD related parts from Kyushu to world. KYUSHU PARTS CENTER

#### MECHATRONICS PARTS BUSINESS

2121, Onohara-Cho, Izumi-City, Kagoshima, 899-0216, Japan  
TEL +81-996-62-6460 FAX +81-996-63-5288



One of the world's largest **Over 100,000 used items**

- PLCs, motors & drivers, power supplies, touch panels, static eliminators, vacuum pumps, chillers, compressors, and other electrical parts



We can respond to various problems such as cost reduction and securing of discontinued products.

We have a total floor space of 2,000 m<sup>2</sup> and consistently manage parts and check their operation. Through the reuse and repair of parts, we provide "convenient services" to our customers and are committed to the development of electronic products.

- Vacuum equipment maintenance
- Vacuum pump overhaul
- Quick delivery
- Many discontinued products
- Low cost
- Wide selection