



3T Frontiers: The Preferred Supplier for Electronics & Manufacturing Industries

3T Frontiers specializes in sourcing and supplying cutting-edge electronics and manufacturing materials and equipment, ensuring quality and efficiency for your projects.

Vision

To be the leading supplier of advanced electronics and manufacturing materials, facilitating innovation and growth in the industry.

Mission

We strive to provide high-quality products, competitive pricing, and exceptional customer service to meet the diverse needs of our clients.

Our Dedicated Team

Experienced Leaders

Our team is led by experienced professionals with a passion for innovation and a dedication to customer success.

Skilled Engineers

Our team of engineers is highly skilled in various aspects of electronics and manufacturing, ensuring technical expertise and quality control.

Our Expertise and Product Quality

Industry Expertise

Our team possesses deep knowledge of the electronics and manufacturing industries, allowing us to understand your requirements and offer tailored solutions.

Product Quality

We adhere to strict quality standards and ensuring the highest level of product quality and customer satisfaction.

Singapore Head office (Sales) :

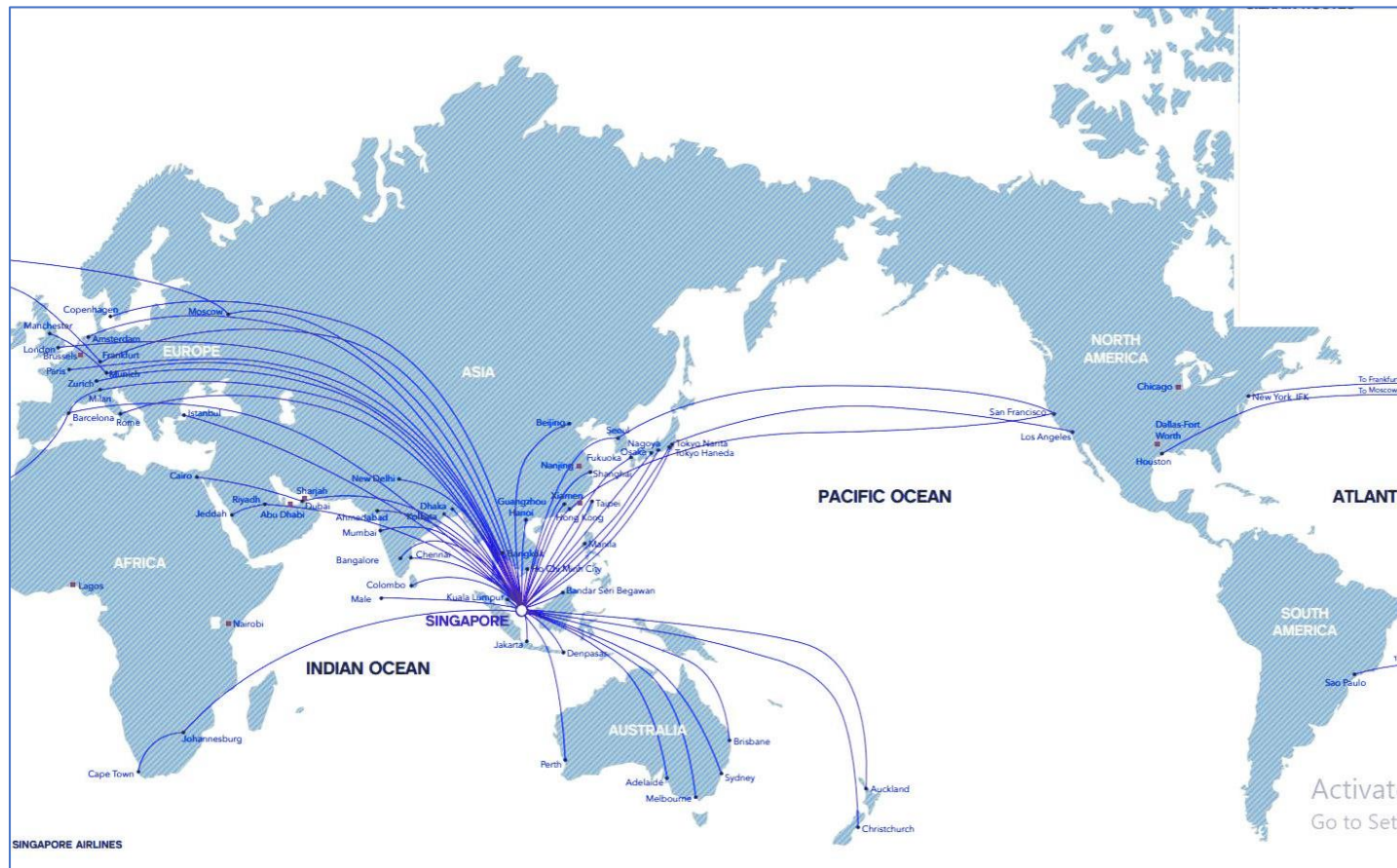
- Address : 178 Paya Lebar Road #05-01 Singapore 409030
- Tel : (+65) 6310 5253
- Email : sales@3TFrontiers.com
- Web : www.3TFrontiers.com
- Co Registration : 201204301K
- Establishment : 2012 Feb.22
- Tel : (+65) 6310 5253
- Office Area : 1,500 ft²



Japan office :

- Address : 3-34-2 Namiki, Noda city, Chiba, Chiba-Pre, 270-0229 JAPAN
- Tel : +81 4 7198 5830
- Email : ykaneuchi@3TFrontiers.com

Global Shipping and Japan, China, Korea Sourcing



Global Reach

We leverage our extensive network for timely and efficient worldwide order delivery.

Japan, Korea and China Sourcing

We specialize in sourcing premium products from Japan, China and Korea renowned for its technological innovation and manufacturing excellence.

Industrial Smart Delivery Robots



Benefits

- **Production Line based Smart Matching**
 - JIT matching line
 - Lean production
 - Production order and distribution informatization
- **High Efficiency**
 - 24*7 operation
 - Fast delivery speed
 - Replacement of repetitive manual work
 - Full record of material and delivery tasks
- **Digitalized Management and Control**
 - Flexible task setting
 - Timely delivery
 - Fixed route loop delivery
 - Traceable operation logs
 - Quantified results, optimized management

Benefits

- **Flexible Material Delivery Structure**
 - Fast changing of large quantities of materials during production changeovers
 - Flexible scheduling and allocation
- **Time and Manpower Savings**
 - Cost Savings
 - Release from labor-intensive work
 - Hazardous work
 - Routine inspection tasks
- **Enhanced Brand & Competitiveness**
 - Smart production system
 - Enhanced production competitiveness

Applications

- Raw material inbound
- Raw material outbound
- Production line side warehousing
- Sample inspection delivery
- Semi-finished Product Transportation
- Production line Loading & Unloading
- Finished Product Handling



Product

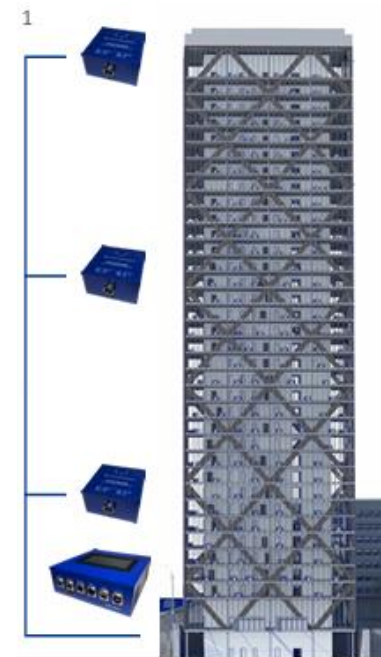
ROBO[®]QUAKE



-Earthquake monitoring and alarm system

Product Description

- IoT-based earthquake & structural Monitoring system
- Provides real-time data on structural response Before, during, and after seismic events
- Immediate alerts via SMS, email, app and optional voice alarm
- Web and mobile access for remote monitoring and historic data review
- Modular design with standard accelerographs and support for additional sensors
- Automated reporting with downloadable insights and event logs
- Enhances life safety and structural resilience in seismic areas
- Ideal for high-rise buildings, hospitals, schools, and critical facilities



Product

2D/3D Video Measurement Machines



Product Description:

- High-precision optical measurement for quality control & inspection
- Support 2D & 3D measurements
- Measures length, diameter, angle, radius Height, depth & profiles
- High-resolution camera with zoom lens For clear imaging
- Stable precision stage with XYZ movement
- Multi-zone LED lighting for accurate Edge detection
- Measurement software w/automatic Analysis & report generation
- High accuracy: up to 0.5 μm resolution
- Manual or semi-automatic operation
- Optional 3D probe/height measurement
- Used in manufacturing, electronics, Automotive, aerospace & R&D



Product

AINE Industrial Air-Cooled Water Chiller (for Reflow Oven)



- Designed for stable temperature control of SMT reflow ovens
- Air-cooled system – no cooling tower or external water source required
- Maintains consistent water temperature for reliable production
- High-efficiency compressor for fast cooling and energy savings
- Precise digital temperature controller
- Compact, industrial-grade design for factory environments
- Low noise, low maintenance operation
- Built-in safety protections overload, high/low pressure, over-temperature
- Improves reflow process stability & product quality
- Ideal for SMT production lines



Product

JBC Soldering Solution



Soldering system, Hot Air, Rework Station,

Compact station, Cleaning System

- Professional-grade soldering solutions for electronics manufacturing
- Fast heating & instant thermal recovery for high productivity
- Precise temperature control for consistent solder quality
- Wide range of soldering stations, tools and cartridges
- High-efficiency thermal system reduces energy consumption
- Long cartridge life with excellent heat transfer
- User-friendly interface with programmable settings
- Supports SMT, THT, rework & repair applications
- Designed for production lines, service centers and R&D labs
- Trusted worldwide for reliability & performance



Product

Nozzle Cleaner - Fully Automatic

High-efficiency Nozzle Cleaning Machine



- **Sleek Design:** Streamlined appearance with a modern, elegant design.
- **High Efficiency:** Cleans 20-30 nozzles simultaneously, saving energy and time.
- **User-Friendly Operation:** Clear inspection windows for easy monitoring, and a one-touch button for start/stop operations.
- **Durable Build:** Parts in contact with water are made of 304 stainless steel, offering rust and corrosion resistance.
- **Advanced Control System:** Touch screen and PLC distributed control ensure stable and reliable performance.
- **Easy to Operate:** Simple, intuitive interface with English and Chinese language options.
- **Safety Features:** Equipped with an error-warning system, emergency stop function, and overload protection.
- **Environmental Protection:** Uses industrial-grade pure water (HP value 5-7 soft water) for cleaning, ensuring contamination-free operation.



Product

Laser Machines



Types of Lasers

- UV Lasers
- CO2 Lasers
- Infra-red Lasers
- Blue Lasers
- Green Lasers
- Semiconductor Lasers... etc.

Applications

- Laser Marking
- Laser Engraving
- Laser Cutting
- Laser Welding



Applications

Nameplate marking
Logo marking on Leathers/ textiles
Engraving on Wood, Metals

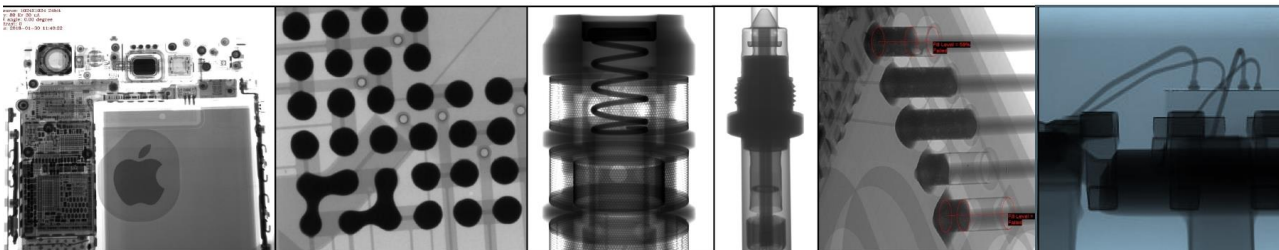
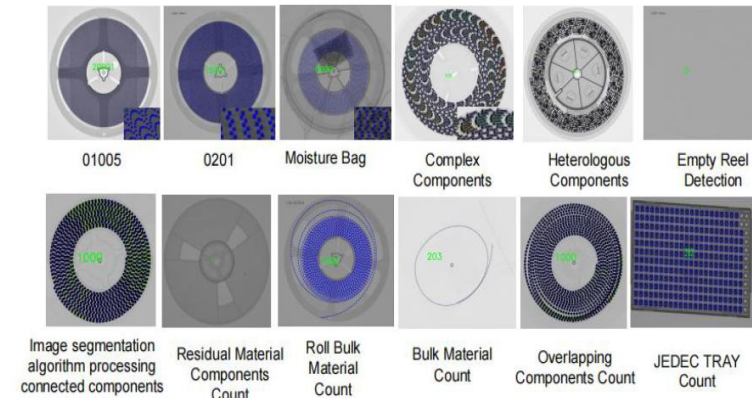


Product

X-Ray Inspection Machines



X-Ray Component Counter



Product

Products: SMT / PCBA Peripheral Equipment



SMT/PCBA Equipment

SMT Loaders/Unloaders/Conveyors

SMT/PCB Racks/ Magazines

SMT Table-top Printing Machine

Automated Feeding Machine

Component Forming Machine

PCB Trolley/ Cart

PCB Cutter

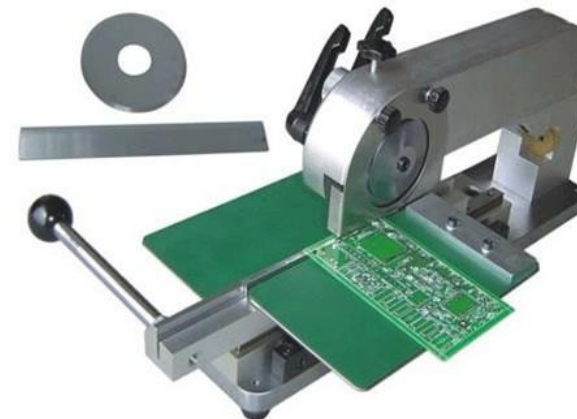
Component Tray/ Box

ESD Circulation Container/Box

SMT Clean Rolls

ESD Stationaries

... etc



Product

Automatic Soldering Machines

Automatic Screw Fastening Machines



Screw Fastening Machines

- Improves the work efficiency and the screw fastening consistency & reliability.
- Using advanced Teaching Pendant, operators can easily set up all the process parameters such as the screw coordinate and screw types, etc.



Soldering Robot

- Best solution for soldering job on lead-free, heat dissipating PCB, and high thermal capacity components.
- Suitable for all sorts of difficult soldering tasks and micro soldering process.
- Improves the soldering quality and consistency.
- Saves 30% of the solder consumption comparing to manual soldering.



Products: Solder Dross Recovery Machine

Features

- Do not require to put additional chemicals (no change in solder composition)
- Stainless steel structure – Clean, beautiful durable outlook
- High Temperature Resistance
- Easy to operate and maintain



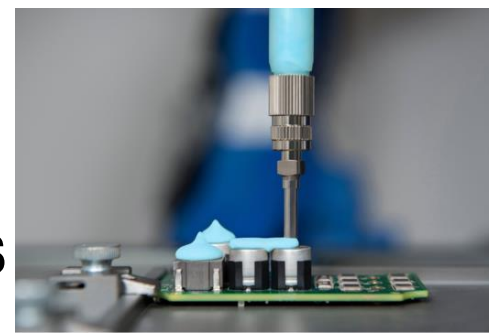
Product Adhesives for Electronic & Manufacturing Applications

Features

- Electrical Insulation
- Thermal Management
- Enhanced Mechanical Strength
- Flame Retardant Rating UL94 V-0
- Chemical Protection
- Corrosion Protection

Products

- Adhesives
- Potting Materials
- Thermal Conductive Materials
- Jelly Gel/ Silicone Gel
- Conformal Coating
- Lubricant Grease/ Silicone Grease
- UV Adhesives



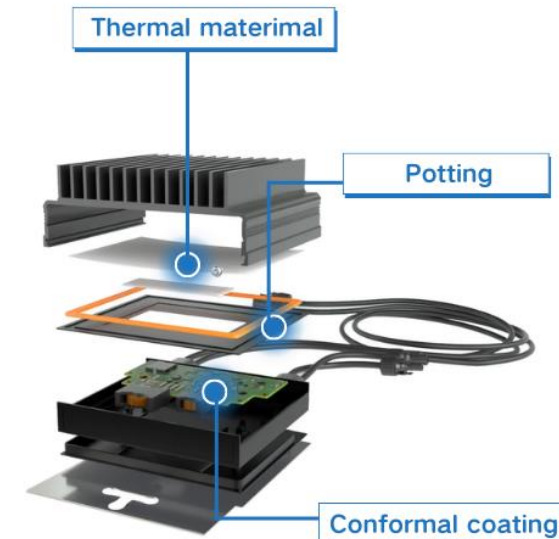
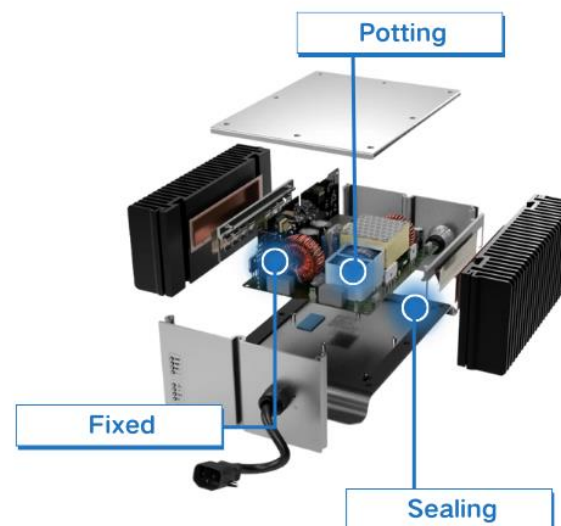
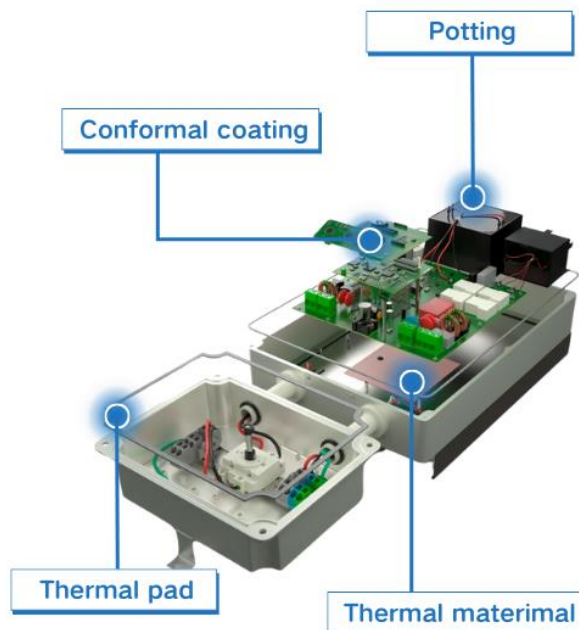
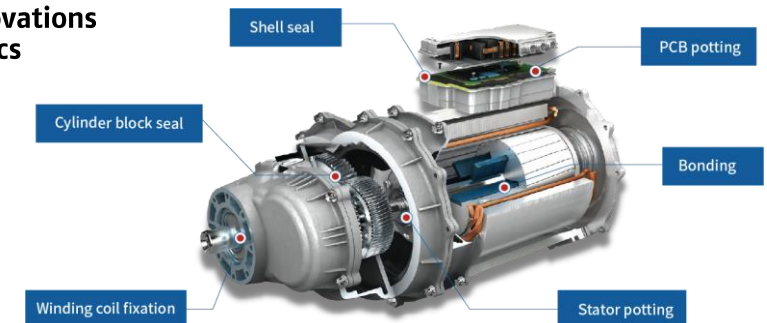
3T FRONTIERS



ELAPLUS®
keeping chasing forever

peters

**Coating Innovations
for Electronics**



Product

Semiconductor wafers, Shippers, Tapes



Silicon Wafers

Test Wafer
Dummy Wafer
Coin-roll
Prime
Diced Wafer

Dicing Tapes

Customized : Thickness/Color
Hardness/ Viscosity / Anti-static
Heat-Resistance

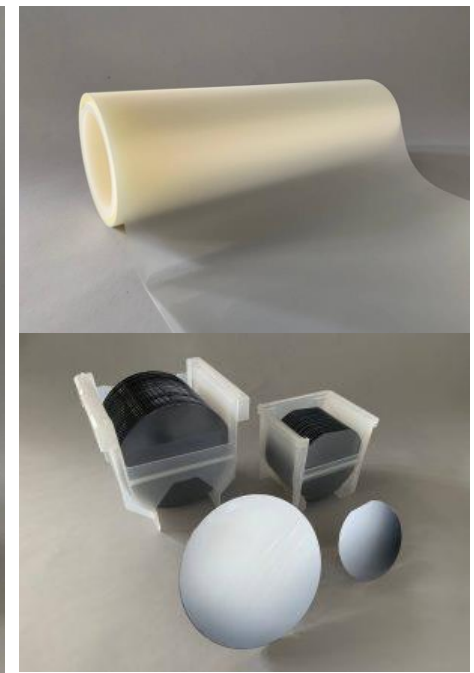
Dicing Tapes

UV , Non-UV, Width / Length



Shippers and Containers

Wafer Shipping Box, Containers, Single Frame shippers, Process Boats,
Wafer Carriers



Product

Anisotropic Conductive Film/ Adhesives

(ACF)



Anisotropic Conductive Film (ACF) is crucial for connecting components in flexible displays, touch screens, and other high-tech applications.

ACF serves 3 functions : Electrical Conduction, Insulation, and Adhesion

ACF application



Contact Us

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