

# **ELECSYS**

MANUFACTURING CORPORATION



# COMPANY BACKGROUND

Since its inception, Electronic Systems Manufacturing Corp. (Elecsys Mfg Corp.) has developed an outstanding reputation for customer service, on-time delivery, and the production of high-quality products at highly competitive prices. We provide consignment and turnkey manufacturing solutions for through-hole and surface-mount assemblies, testing to complete box builds.

When you work with Elecsys, we truly collaborate with you. Building strong partnerships with our customers enables us to better meet your individual needs while delivering products that exceed expectations. We offer the skills and expertise of much larger contract manufacturers, combined with the flexibility, service, and attention to detail that set us apart.

We understand that, at times, engineering change orders need to be applied to products already on the production floor or that some rework may be required for various reasons. Elecsys is more than happy to assist in this area, giving our customers every opportunity to achieve their goals.

Our experienced staff, with over 30 years of expertise in manufacturing electronic assemblies, provide assistance in design and manufacturing solutions for new product introduction (NPI), limited pilot production (LPP), and full-scale mass production. We understand that not all customers require high volumes, so we also accommodate low and medium-volume production. Elecsys, as a standard practice, offers recommendations for manufacturing cost reductions. This ensures that all our customers' products are manufactured not only to the highest quality standards but also at the best possible price.



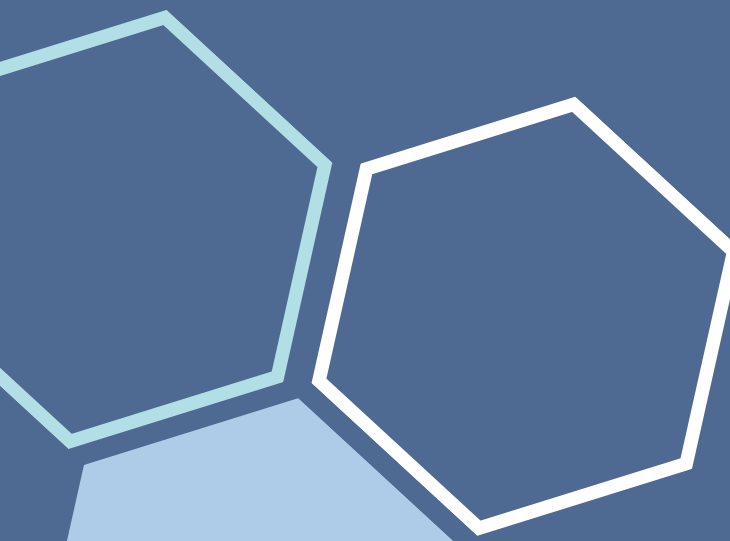
2017

2018

2021

2024

2025



# OUR MISSION

Our mission is to exceed our customer's expectations by providing the highest quality products at the most competitive prices in a timely manner.



# OUR VISION

As a world-class electronic manufacturing company, our vision is not to be the biggest contract manufacturer, but one of the best, with leading-edge technology as a standard—while never forgetting our roots.

# QUALITY AND POLICY

Elecsys Mfg strives to be the best business partner to our customers by providing exceptional products and services without compromising quality. Elecsys staff know that quality is paramount and comes first in the organization. This is achieved by continuously expanding our knowledge of our customer's requirements, products, supply chain, and processes.

## We guarantee our commitment by:

- Continuously training all employees to enhance their skills and knowledge.
- Pursue continuous improvement through Lean principles & essential tools.
- Track Key Performance Indicators (KPIs) through internal audits and reporting.
- Ensure that our policy and process manuals reflect our actual practices.
- Make every staff member part of the quality team, rather than working in isolation.
- Require the same level of commitment from our suppliers. Apply fair trade principles and act ethically, with honesty and integrity.
- Establish processes to deliver products on time and with zero defects to our customers.
- Continuously improve our quality system to meet customer expectations and comply with ISO 9001, IATF, Medical standard, Health & Safety and Environmental compliance.
- Train all staff to exceed our customer's expectations.



# PRINCIPLES AND VALUES

**TEAMWORK**

**PROACTIVE  
APPROACH**

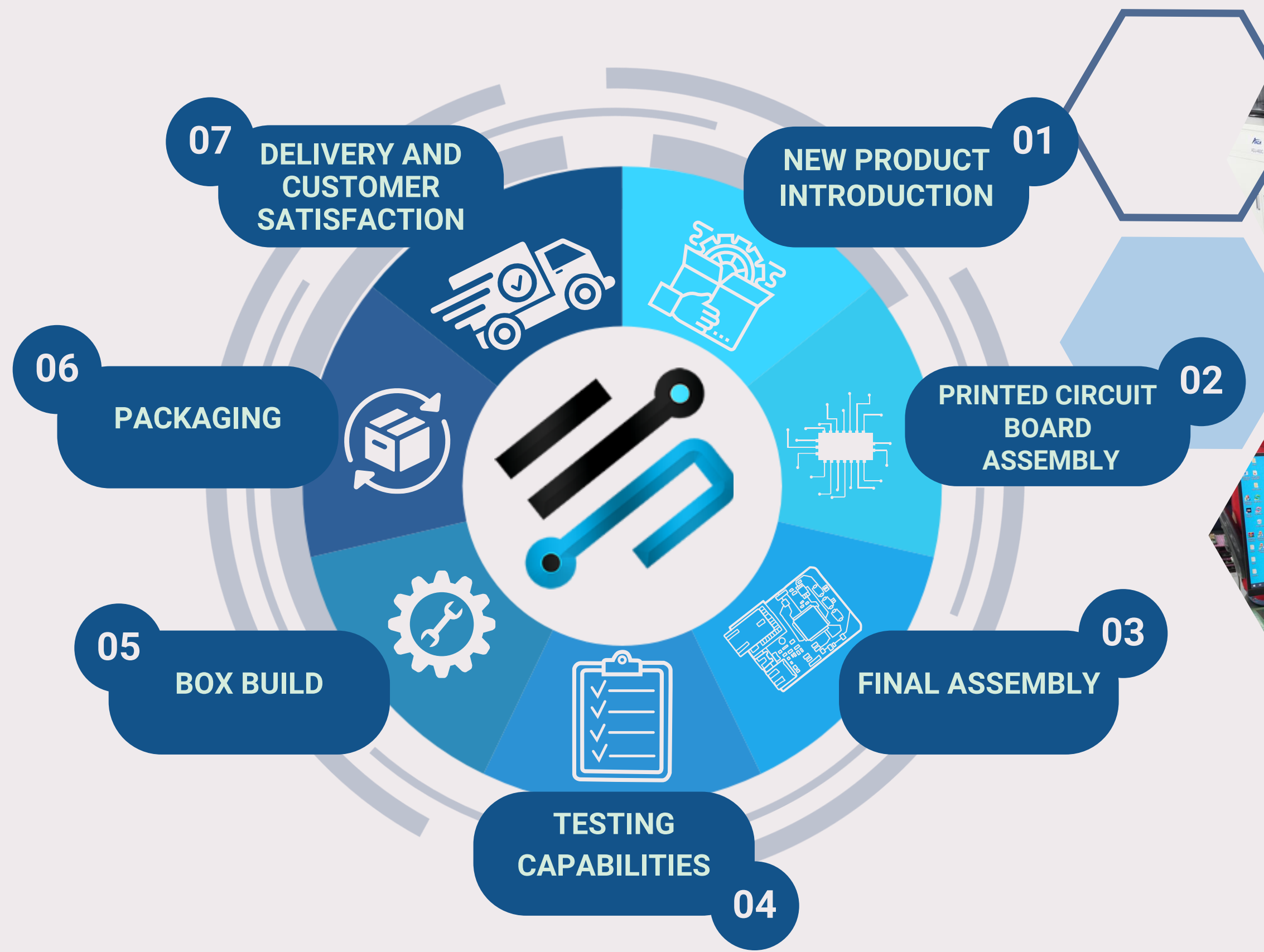
**QUALITY IS  
OUR PRIME  
FOCUS**

**COSTUMER  
FOCUS**

**SKILLED  
WORKFORCE**

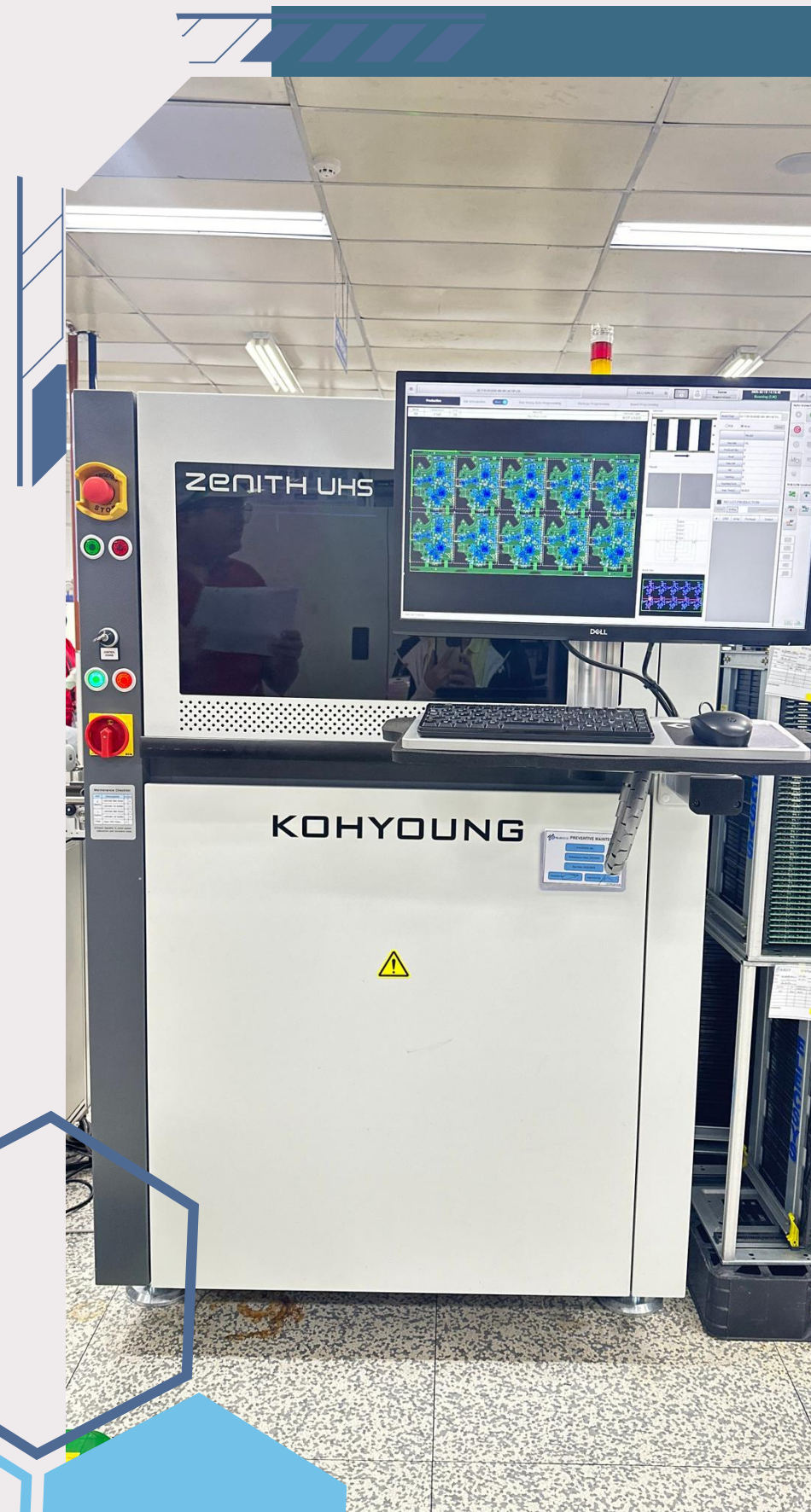
# RANGE OF SERVICE

- ✓ GREAT CUSTOMER SERVICE
- ✓ QUALITY MINDSET AND CERTIFICATIONS
- ✓ ENGINEERED TECHNOLOGY
- ✓ THE REAL COST



# SMT MANUFACTURING EQUIPMENT

- In-Line Automatic PCB Loader
- In-Line PCB Cleaner
- Screen Printer ESE US-2000XQ
- In-Line 3D Solder Paste Inspection
- Chip Mounter Samsung SM411
- Chip Mounter Samsung SM421
- Chip Mounter Samsung SM471
- Chip Mounter Samsung / Hanwha SM471Plus
- Chip Mounter Samsung / Hanwha SM482Plus
- N2 Reflow Oven TSM A70-j102S
- Solder Paste Inspection Kho Young KY3020T
- In-Line 3D AOI Mirtec MV9
- In-Line 3D AOI Kho Young
- X-Ray Machines
- BGA Rework station



# TYPICAL SMT LINE SETUP

PCB LOADER  
PCB CLEANER



PRINTER



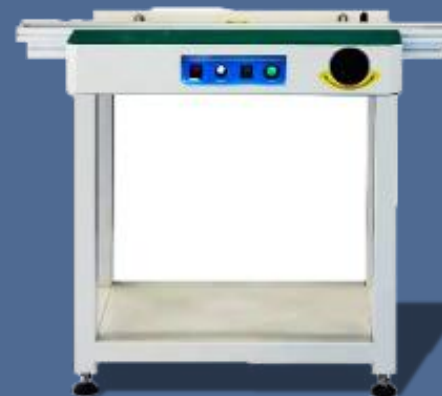
MAX PCB SIZE  
800mm X 510mm

3D SPI



MAX PCB SIZE  
510mm X 460mm

CONVEYOR

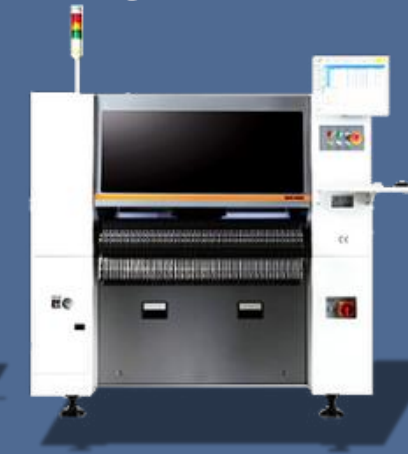


SM471+



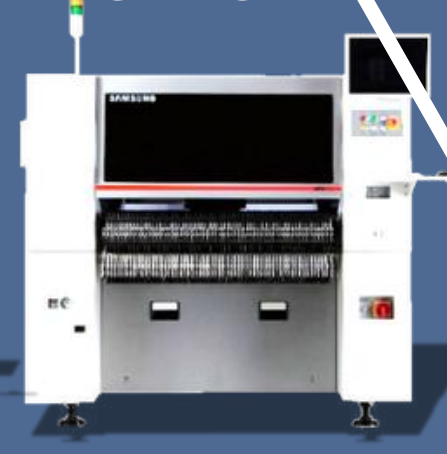
MAX PCB SIZE  
510mm X 460mm

SM471+



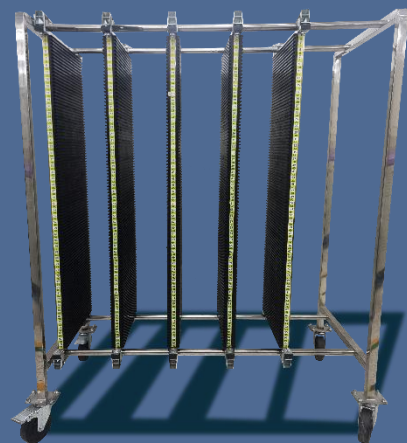
MAX PCB SIZE  
510mm X 460mm

SM482+



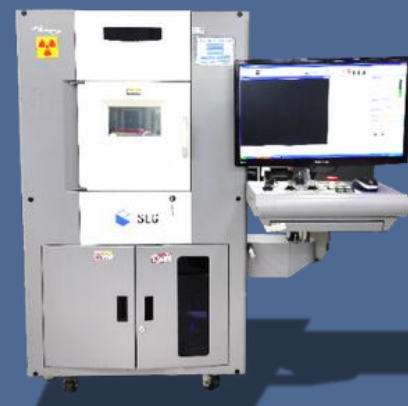
MAX PCB SIZE  
510mm X 460mm

WHEELED BIG  
MAGAZINE RACK



MAX PCB SIZE  
400mm X 600mm

XRAY



KHO YOUNG 3D AOI



MAX PCB SIZE  
510mm X 460mm

CONVEYOR

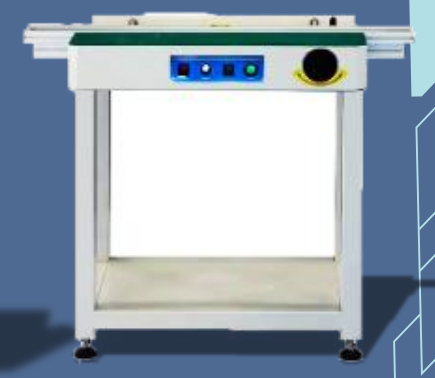


12 ZONE NITROGEN REFLOW



MAX PCB SIZE  
510mm

CONVEYOR



# ACTUAL LINE SMT SETUP



WITH In-LINE SPI MACHINE AND HIGH SPEED SM471+/SM482+ CHIP MOUNTERS

# PCB CLEANING

# 3D Solder Paste Inspection



# FIRST ARTICLE INSPECTION



# SMT LINES



# OUR HEAD OFFICE



# Head Office Warehouse



# LED SHELVES



# SOLMACH WAVE SOLDERING



# WAVE SOLDER MACHINE



# SELECTIVE SOLDERING MACHINE



# AGV Robotic Carriers



# AUTOMATED INSERTION MACHINE



# LASER CUTTING MACHINE

# X-RAY COUNTER



# DRY CABINET

# ROBOT SOLDERING MACHINE



# LASER MARKING MACHINE

# ANDA AUTOMATED CONFORMAL COATING LINE



# AUTOMATED CONFORMAL COATING LINE



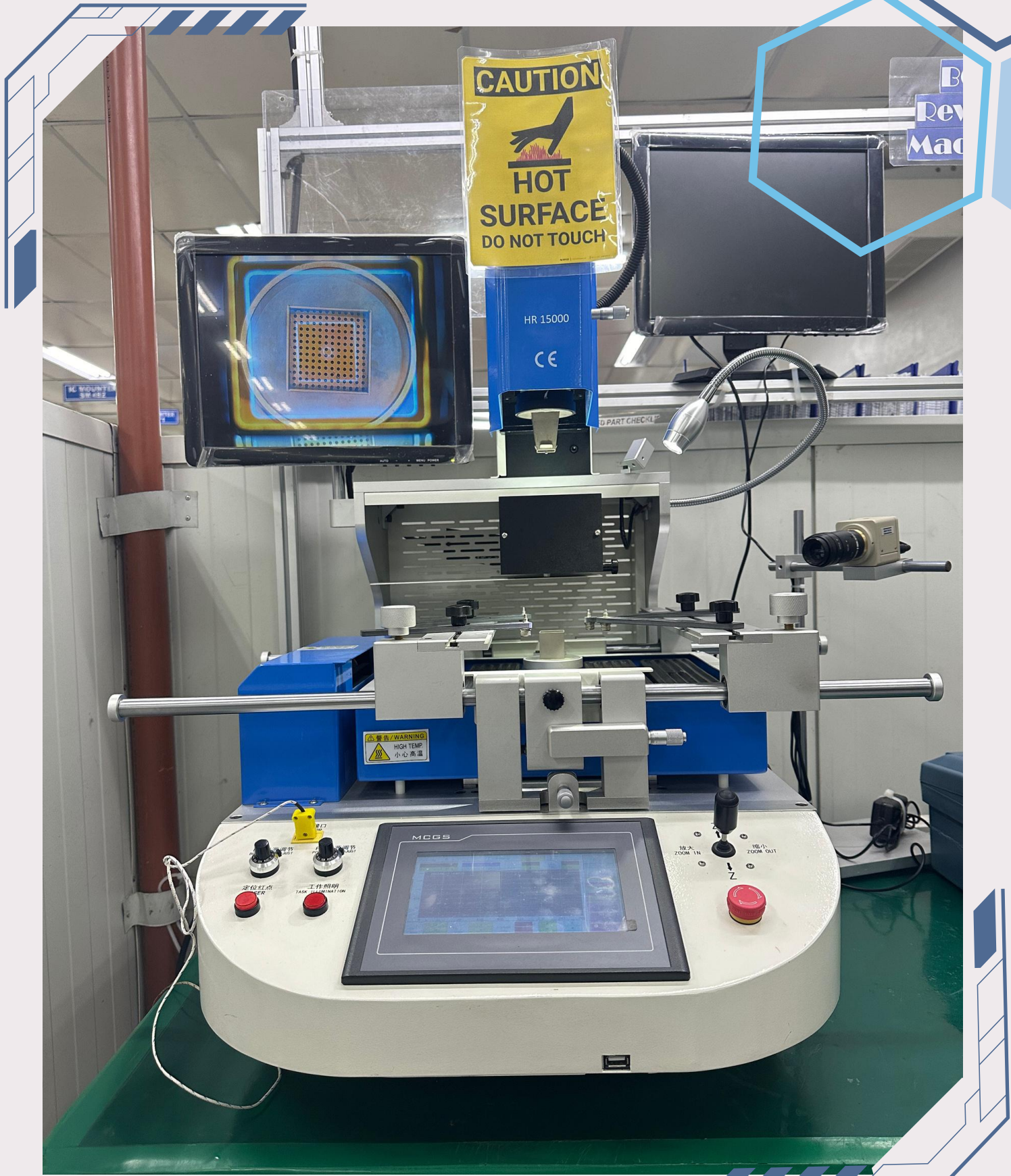
## TAPE AND REEL MACHINE

# BATTERY SORTING MACHINE



# TAPE AND REEL MACHINE

# ULTRASONIC WELDING MACHINE



# BGA REWORK STATION

# KEYENCE MEASURING EQUIPMENT



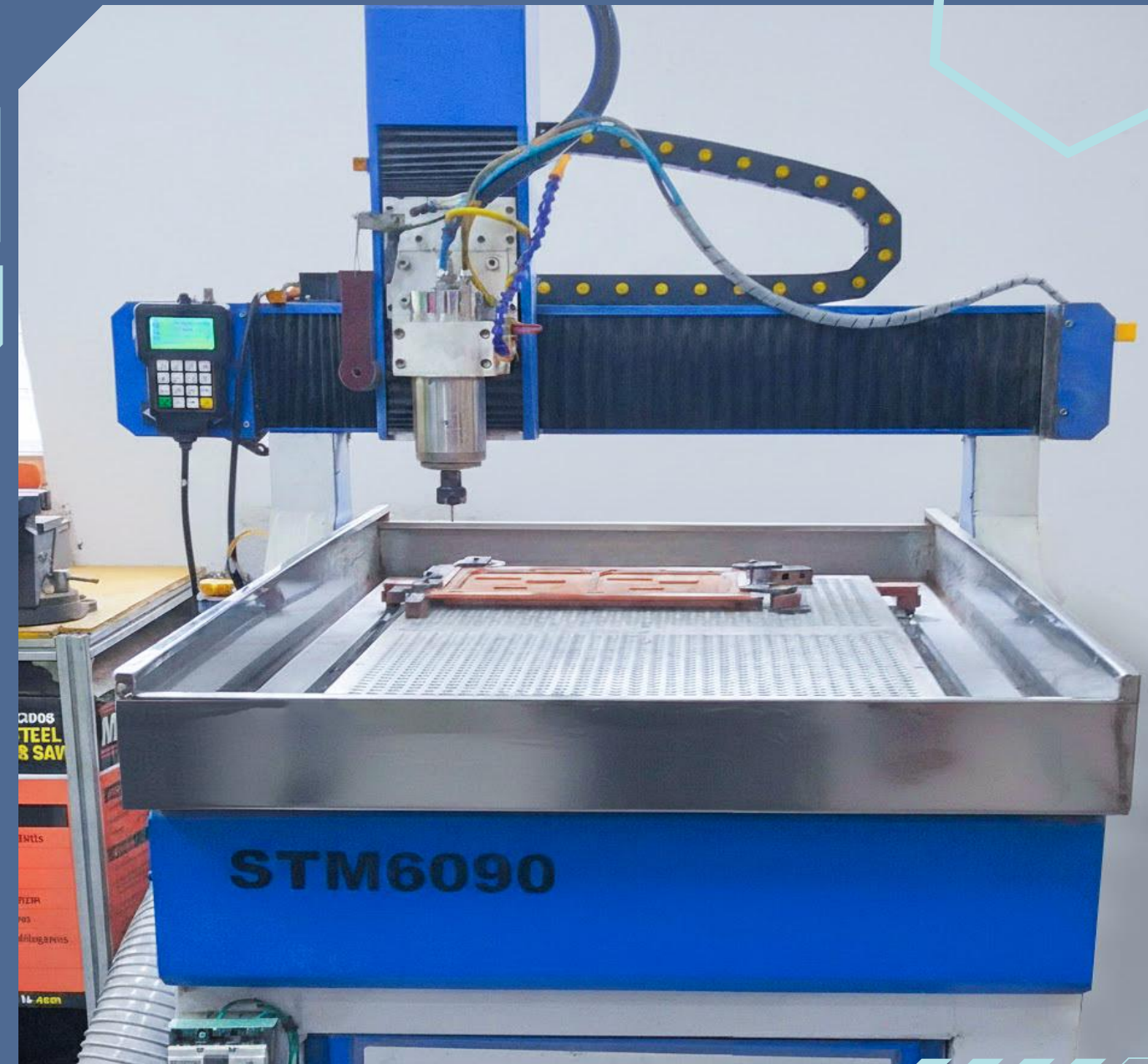
## PCB DEPANELLING ROUTER MACHINE

# HIGH TEMP OVEN



# BURN-IN ROOM

# RAISE 3D PRINTER



# CNC MILLING / ROUTER MACHINE

# DI WATER SYSTEM (REVERSE OSMOSIS)

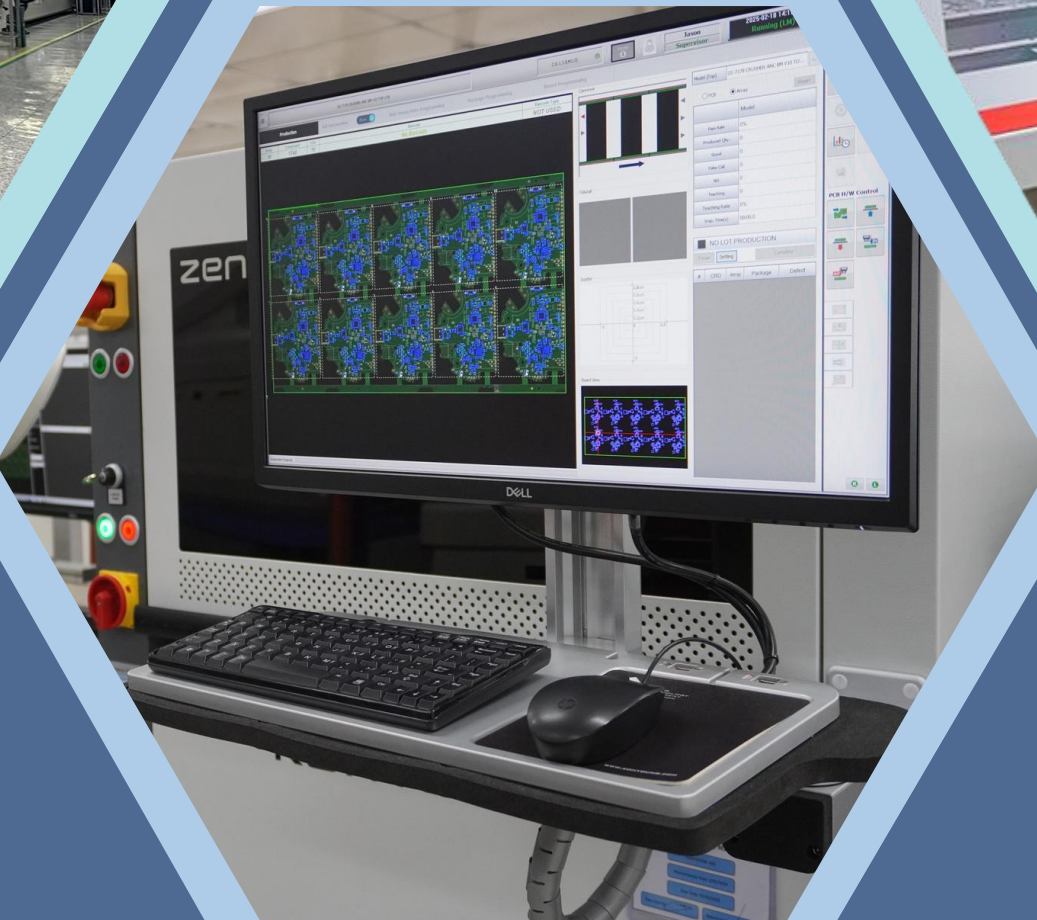


## PCBA AQUEOUS CLEANING / WASHING MACHINE

# ASSEMBLY LINES



# SMT EQUIPMENT



# BOX BUILD ASSEMBLY LINES



# MAJOR PRODUCTS



RFID PRODUCTS



RESIDENTIAL AND COMMERCIAL ALARM SYSTEM



TEMPERATURE CONTROLLERS

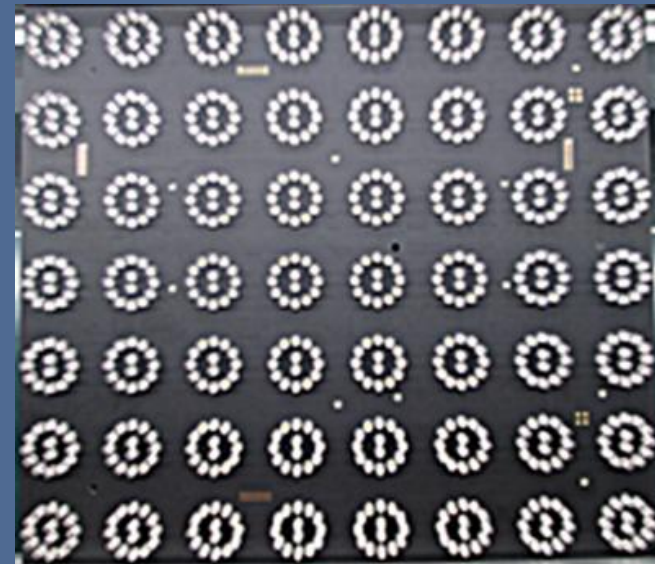
# MAJOR PRODUCTS



WHISTLER RADAR DETECTOR



PCBA AUTOMOTIVE PRODUCT



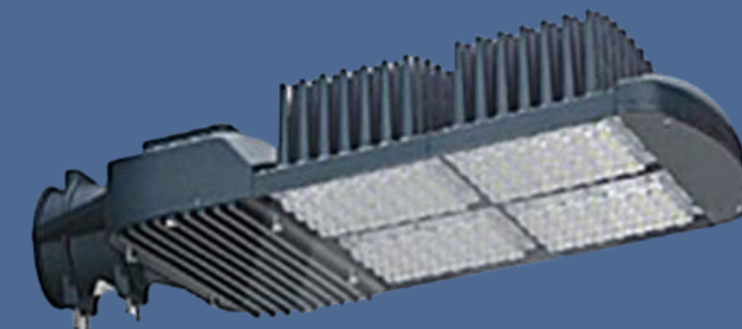
DISPLAY PANELS



DISPLAY MODULES



SCANNER HANDHELD RADIO



LED STREET LIGHTS

# MAJOR CUSTOMERS

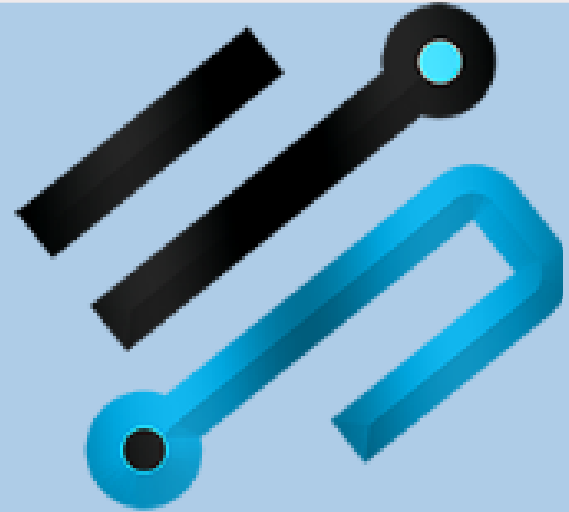


# MAJOR CUSTOMERS



# COMPETITIVE ADVANTAGES

- NO COMMUNICATION BARRIER (ENGLISH LANGUAGE)
- TAX FREE ZONE
- NO IMPORT RESTRICTIONS
- COST EFFECTIVE
- FAST PRODUCTION START-UP
- MULTI SKILLED WORKFORCE
- LOW AND HIGH-VOLUME PRODUCTS
- CUSTOMERS' INTELLECTUAL PROPERTY IS PROTECTED
- FULL TURNKEY PROJECTS
- MOULD AND TOOL MANAGEMENT
- TEST AND DESIGN DEVELOPMENT SUPPORT
- CONSIGNMENT BASIS ACCEPTED
- SUPPORT IN SOURCING REPLACEMENT COMPONENTS
- PROTOTYPING SUPPORT
- MANUFACTURING AND ENGINEERING SUPPORT



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