



ハイベックス インド

HIBEX INDIA

Where challenges are converted to solutions



INDUSTRIAL ROBOTS ●

SPECIAL PURPOSE MACHINES ●

SMT EQUIPMENT ●

POTTING, EPOXY/SEALANT DISPENSING MACHINE ●

TAPE, FILM & LABEL DISPENSERS ●

SEMICON EQUIPMENT & CONSUMABLES ●

ELECTRIC SCREWDRIVERS, NUTRUNNERS & SCREW FEEDERS ●

www.hibexindia.in

GURUGRAM | MUMBAI | PUNE | BANGALORE | CHENNAI | AHMEDABAD | HYDERABAD

ABOUT US

Hibex India was established in 2007 and its headquarters based in Singapore has its presence spread out across Asia to cater customers. Hibex has leveraged Asia Pacific connections to cater and support customer's needs.

Hibex had grown from simple distributor for electronic consumables to a Total Solution Provider supplying a wide range of machineries and materials to the PCB, Semiconductor, SMT, Robotics and many more. We have our subsidiaries across Asia Pacific with the sole intention of supporting our customer with the best possible services.

Mr. Hiroji Iba established the company in 1988 with base in Singapore. Since that time Hibex has been constantly expanding and modernized, always remaining on top of state-of-the-art facility.

STRENGTHS:

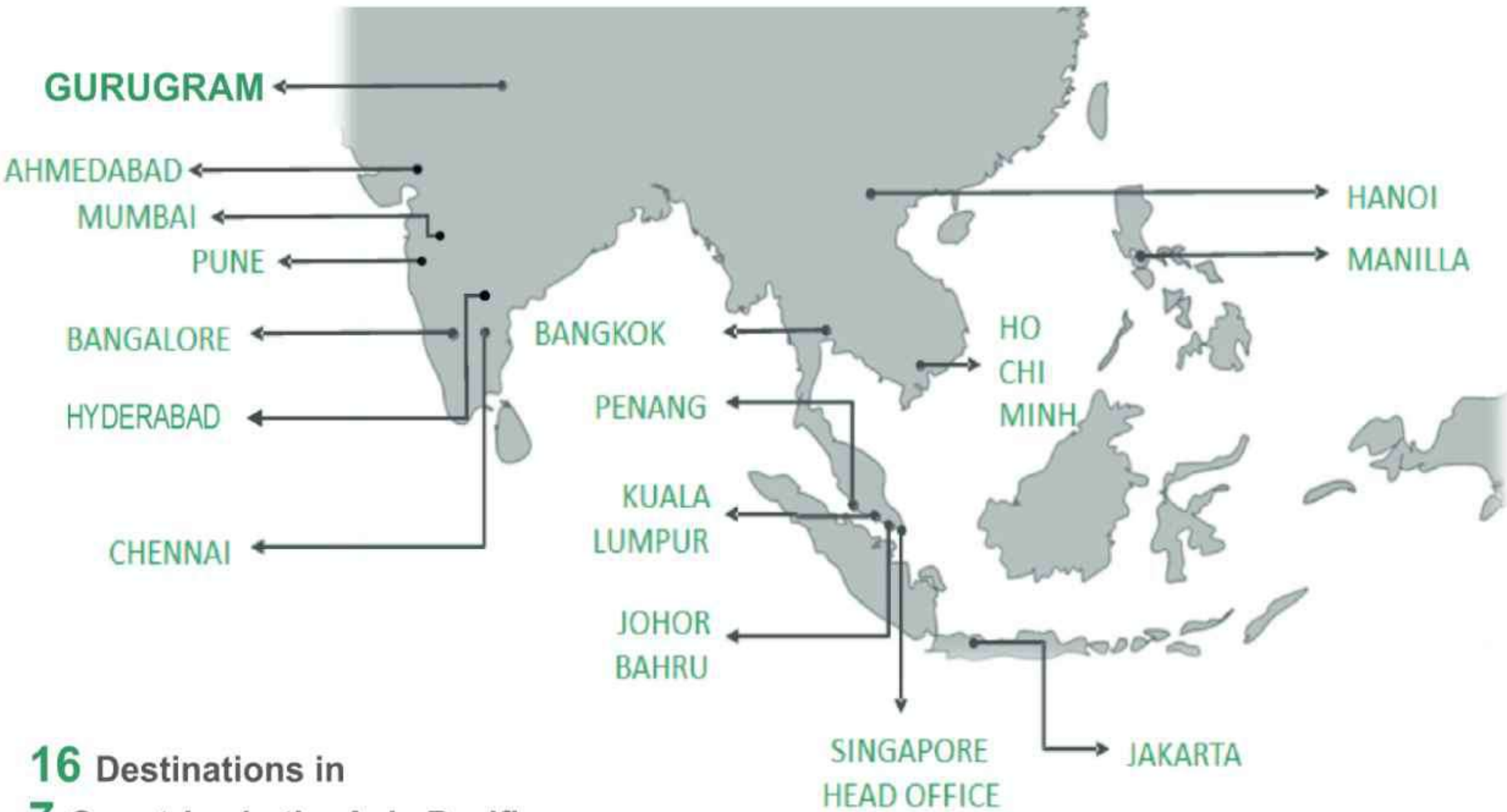
PRODUCT RANGE: Offer solutions for wide industry range including PCB, SMT, SEMICONDUCTOR and General Industry sectors.

PRESENCE: Hibex have direct presence in 7 countries with sole intention to support customers technically as well as after-sales service support for all solutions offer by Hibex. Hibex has its branches in Japan, Singapore, Malaysia, Thailand, Indonesia, Vietnam, India and Philippines.

SALES: Equipped with the best in industry sales cum application engineers will instantly connect to your need and will offer apt solutions with expert advice. Ideas will be made to reality at Hibex.

SERVICE: Equipped with well-trained service engineers, objective to support and backup customer for any service call to have a stress-free operation. Hibex is certified to perform Calibration, Diagnosis and complete service facility.

MANUFACTURING: Hibex also equipped with a comprehensive infrastructure that includes manufacturing base in few strategic bases. Capable of designing and manufacturing Special Purpose Machines, Jigs/Fixtures, Integrating Robots for various applications.



Industrial Robots

Janome Industrial Equipment - Japan

- Desktop, Cartesian & SCARA Robots Applications... 1

YAMAHA - Japan & Dobot - China

- SCARA Robots, Linear Conveyor, Robot Vision.....2
- Collaborative Robots & Servo Grippers.....2

Hibex Automation & SPM's

- Assembly Lines Developed by Hibex3
- Customized Screw Tightening, Glue dispensing, Soldering, Vision Inspection & PCB Cutting.....4

Screw Tightening Solution

HIOS Inc. - Japan

- Electrical Screwdrivers..... 5
- Screw Feeder, Digital Torque Meter,Bits..... 6

OHTAKE - JAPAN & ASG - USA

- Screw Feeders, Torque Reaction Arms & DC Tools.... 7

HANTAS - South Korea

- Digital Torque & Angle Controlled Screw Drivers.....8

Dispensing Solutions

TAEHA Corporation – South Korea

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- Valve, Dispensing Controller & Material Supply System 9

Tape, Label & Film Dispensers

YAESU KEIKOGYO CO LTD - Japan

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Ultrasonic Cutter & Cleaner

Honda Electronics - Japan

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PCB Depaneling & SMT Equipment

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San Ei Tech – Japan

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Oven & UV Curing Solution

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- UV Curing Lamp, Oven & Conveyors.....17

X-Ray Inspection

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- X-Ray Inspection, Component Counter, AOI & SPI.....17

Soldering/Desoldering Tools

JBC – Spain

- Soldering/Desoldering & Rework Station , Preheater, Fume Extractors & Auto Feeder.....17

Other Equipment

- Video Measurement, Digital & handheld microscope
- Fiber, CO2 & PCB Marking Machine
- Solder Paste Printer
- Reflow & Wave Soldering, Vertical Curing Oven
- Odd form Pick & Place Machine
- Fume Extractor
- Selective Soldering
- Routing & Soldering Bits, SMT Nozzles, Solder Dross recovery system

SEMICON Equipment & Consumables

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Desktop Robots

Dispensing, Screw-tightening, Soldering, PCB cutting, and more, our versatile desktop robots handle a variety of jobs. Highly rigid construction ensures stable movement. Our simple teaching method makes using the robots easy.

JR 3000 Series

Item	Model	3 Axis /4 Axis (Synchronous Control)				
		JR3203/4	JR3303/4	JR3403/4	JR3503/4	JR3203/4
Operation Range	X & Y axis(mm)	200 x 200	300 x 320	400 x 400	510 x 510	510 x 620
	Z axis(mm)	50	100	150	150	150
	R axis*	± 360°	± 360°	± 360°	± 360°	± 360°
Minimum Portable Load	X & Y axis (workpiece)(kg)	7	15	15	15	15
	Z axis (workpiece)(kg)	3.5	7	7	7	7
Maximum Speed (PTP Drive) ()= Setting Speed Range	X & Y axis(mm/sec)	700(7~700)	900(9~900)	900(9~900)	900(9~900)	900(9~900)
	Z axis(mm/sec)	250(2.5~250)	400(4~400)	400(4~400)	400(4~400)	400(4~400)
	R axis(/sec)	600(6~600)	900(9~900)	900(9~900)	900(9~900)	900(9~900)
Maximum Speed (PTP Drive) ()= Setting Speed Range	X,y,z Combined(mm/sec)	600(0.1~600)	850(0.1~850)	850(0.1~850)	850(0.1~850)	850(0.1~850)



Cartesian Robots



Twin Table Robot



SCARA Robots



Janome Servo Press



Options



PC SOFTWARE



I/O-MT



CAMERA



LASER DISPLACEMENT SENSOR

3 Axes Type

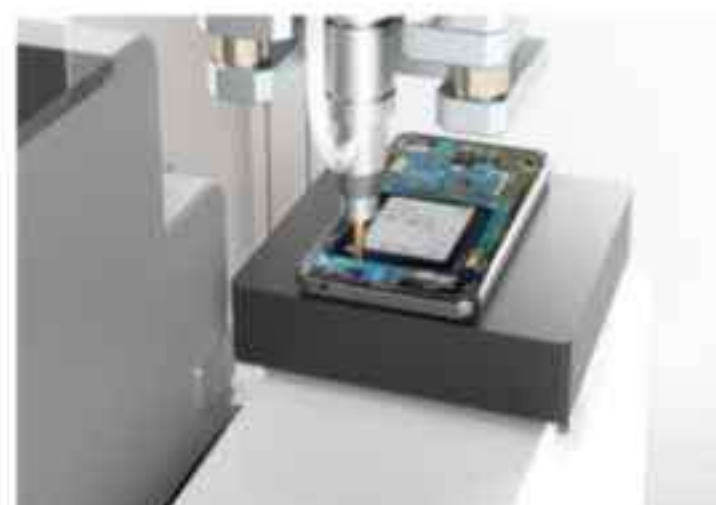


4 Axes Type



NEEDLE ADJUSTER

Applications:



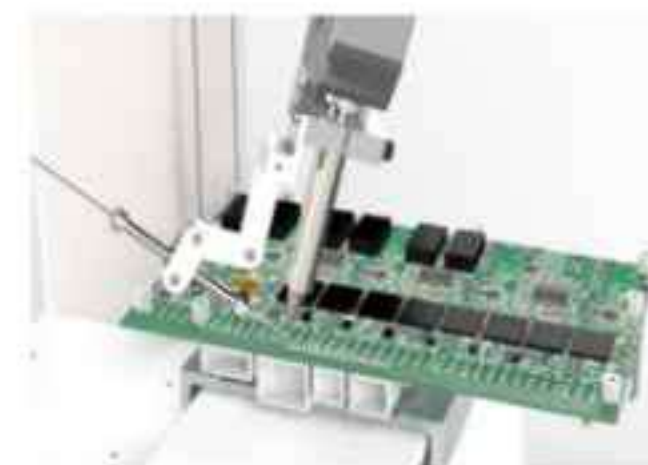
SCREW TIGHTENING



DISPENSING



PCB DEPANELLING



SOLDERING



VISION INSPECTION

Main Features

- Built-in Simple PLC Function
- Fieldbus Compatibility
- LAN (Ethernet) port included as standard equipment
- Teaching pendant features 11 different display languages
- Highly compatible with vision system installation
- Control up to 4 axes and 2 external motors with the Auxiliary Axis Function (optional)
- Easy Program Teaching

Janome Robots Key Features :- >>4.0 Industry compatible >>Compact Size >>Fast, more precise with greater structural rigidity >>Application Specific Software >>PC Software >>Teaching Pendant >>Memory Capacity >> I/O Interface

SCARA Robots



Cartesian Robots



Linear Conveyor Module



Pick & Place Robots



Motor-less Single Axis Actuator



Robot Vision System



DOBOT Collaborative Robots

CR Series Robots



M1 Pro Collaborative SCARA



MG400 Collaborative Robot



Servo-Electric Grippers



Industrial Parallel Grippers



Direct Drive Rotary Gripper



Linkage-type Adaptive Grippers



Hibex Automation & Machine Manufacturing Solution

OFFERING COMPLETE AUTOMATION SOLUTION

We develop Customized End to End Automation Machines & Assembly lines.

We have in-house manufacturing, Design & Programming facilities with highly skilled & trained Engineering team.

- Screw Tightening
- Glue/Sealant dispensing
- PCB Soldering
- Vision Inspection
- PCB Testing
- PCB Cutting
- Material handling
- Servo Pressing

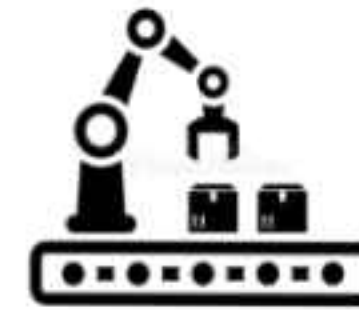
- Leakage Testing
- Heat Stacking
- Heating Oven & Conveyors
- 2K Meter & Mix Potting
- Barcode Printing
- Traceability
- Conveyor Based Assembly lines
- Robotic Cells



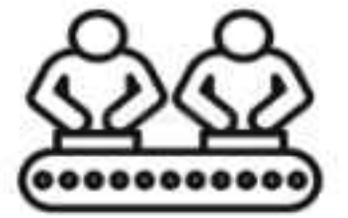
Process Automation



Special Purpose Machines

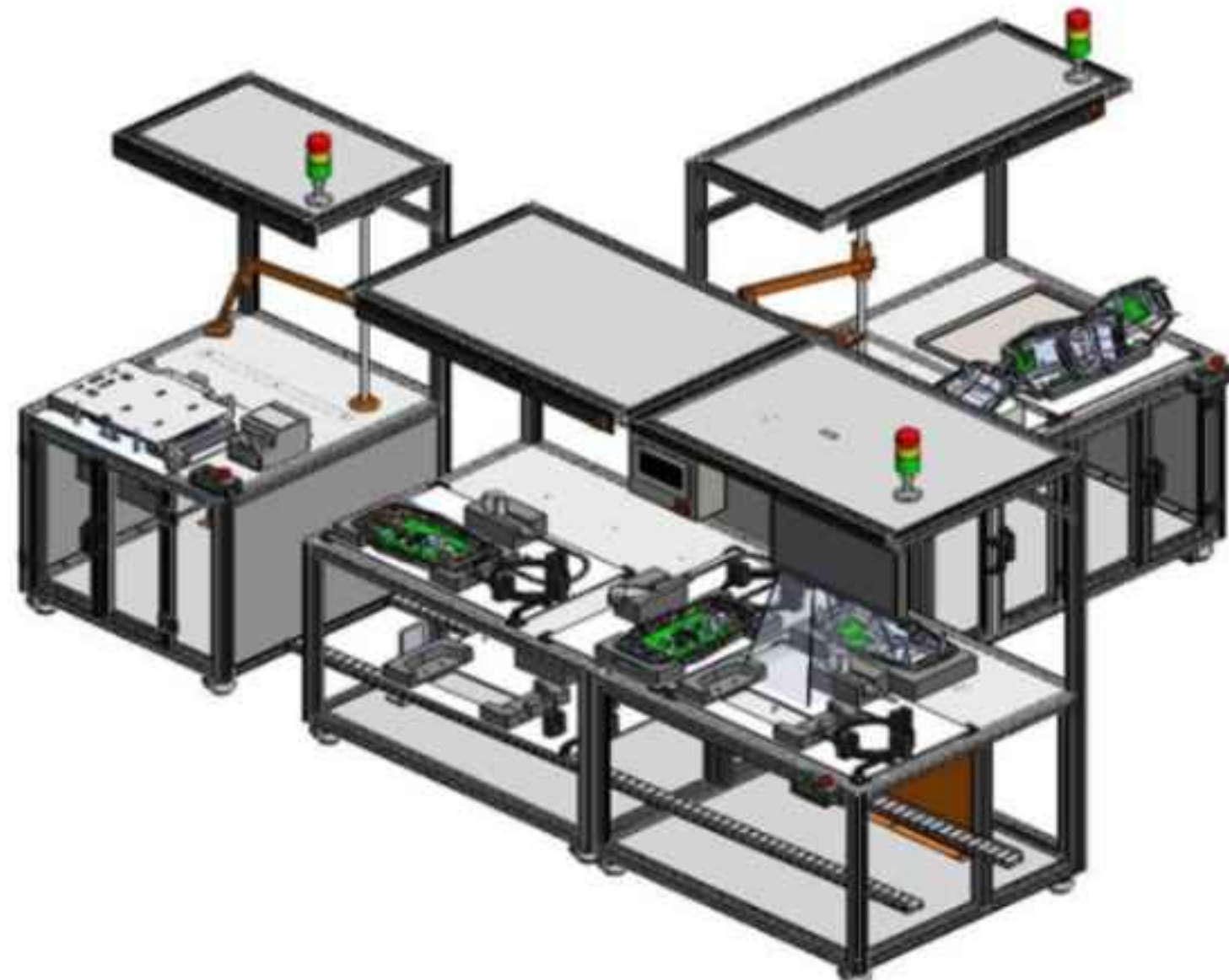
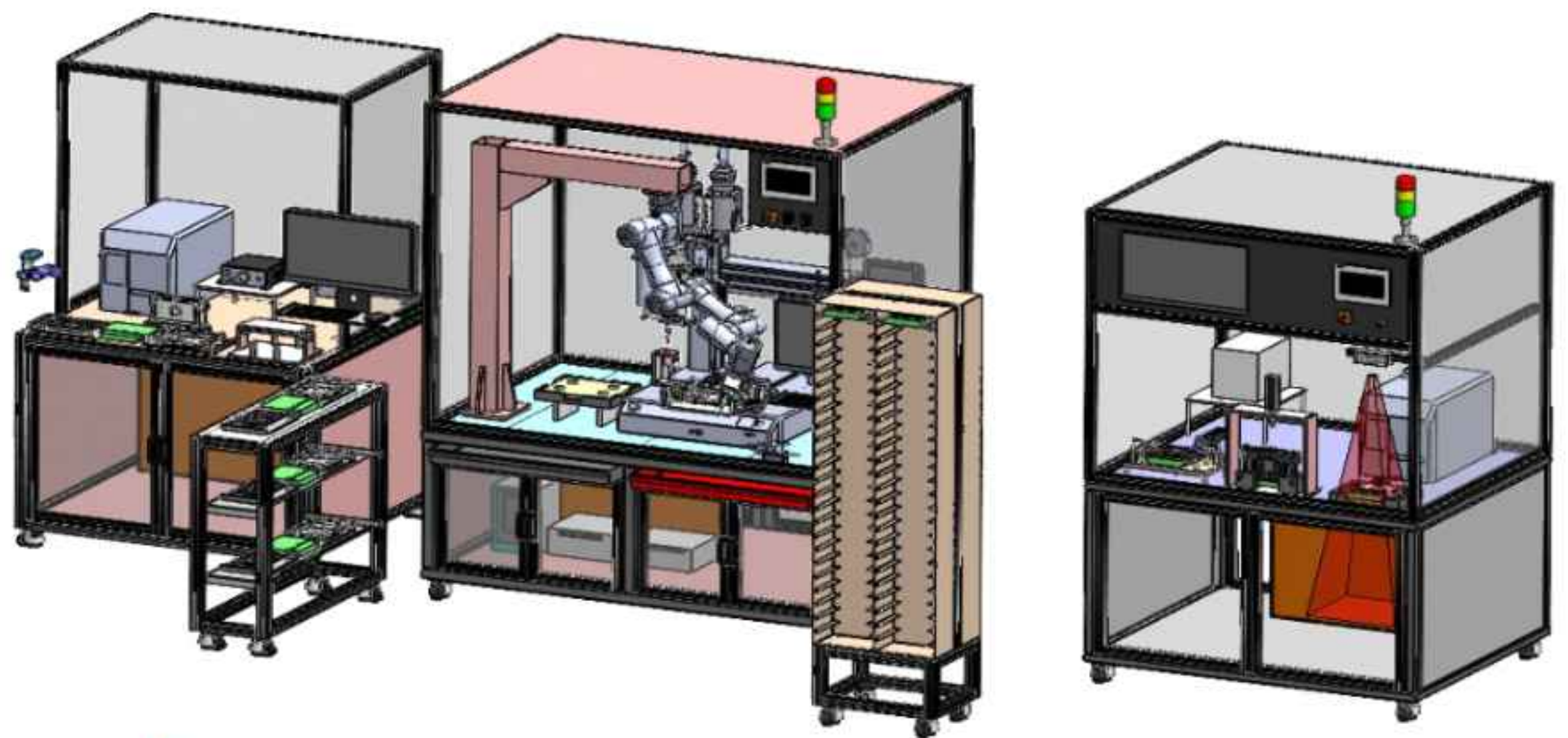


Robotics

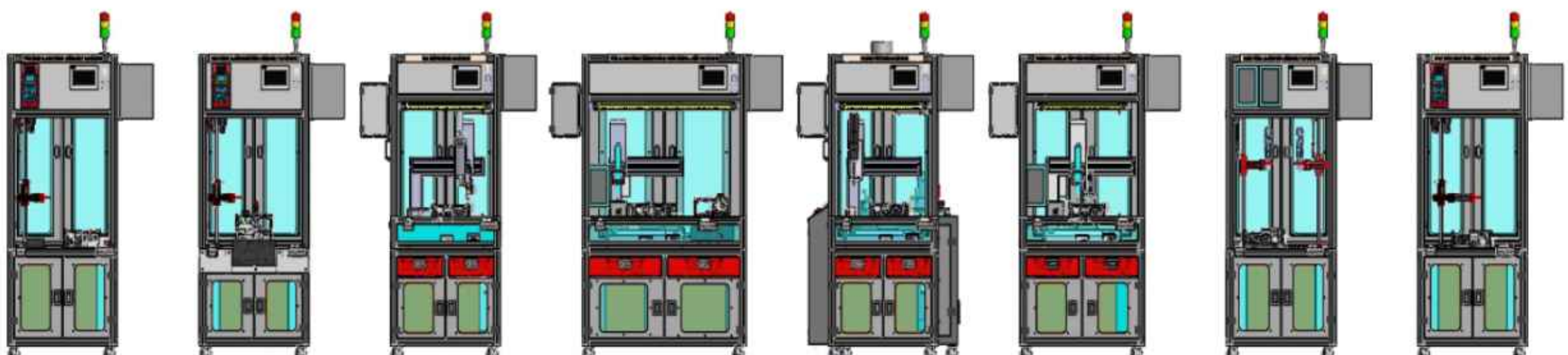


Assembly Lines

Assembly Line for Vehicle Control Unit



Assembly Line for Wall Mounted Charger



Assembly Line for On Board Charger

Flying Probe PCB Functional Testing Machine

Key features:

- Janome: 2 Nos. 3 Axis Cartesian Robots
- Keysight: Test & Measurement devices
- Vision System & Safety Compliance
- Fixture with Pneumatic locking & Part Presence Sensor



Silicone Dispensing Machine

Key features:

- Janome: 3 Axis Desktop Robot
- Keyence: Camera for Silicone Inspection
- Taeha: Dispensing Valves with Can Pump Feeding
- OMRON: PLC & HMI
- Rejection bin with & Safety Compliance



Rotary Indexing Dispensing Machine

Key features:

- Janome: 3 Axis Cartesian Robot
- Oriental: Rotary Indexing System
- Taeha: Tubing/Peristaltic Pump
- Fixture with Part Presence Sensor & locking



Liner Indexing Dispensing Machine

Key features:

- Janome 3 Axis Cartesian Robot
- Taeha TP-50 Tubing Pump
- Vision Camera for Dispensing Inspection
- Conveyor for Part movement
- Mitsubishi PLC & HMI

Conformal Coating Machine

Key features:

- Janome: 3 Axis Desktop Robots
- Auto Door Open/Close
- Taeha: Progressive Cavity Pump Spray system
- Safety Compliance, Temperature Interlocking
- Fixture with Auto Program loading & Top Cover



Screw Tightening Machine

Key features:

- Janome: 3 Axis Desktop Robot
- Keyence: Barcode Reader with traceability
- HANTAS: Screw Driver with Torque data Display & Storage
- Online Torque Calibration
- OMRON: PLC & HMI

Heat Stacking Machine

Key features:

- Servo Control Z Axis
- Mitsubishi PLC & HMI
- Fixture with Pneumatic locking & Part Presence Sensors



Manual Screw Tightening Station with Position Control System

Key features:

- HANTAS Transducerized Smart Electric Screwdrivers
- Doga Position Control Torque Reaction Arm
- Complete Poka Yoke with Traceability

Servo Pressing Machine

Key features:

- Janome Japan make Servo Press
- Mitsubishi PLC & HMI
- Fixture with Pneumatic locking & Part Presence Sensor

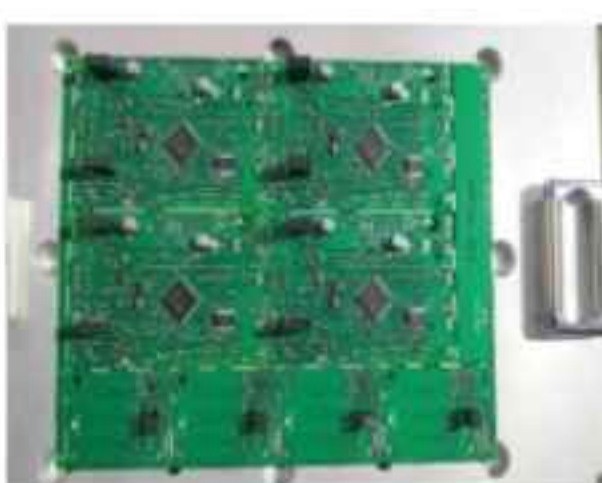


Leak Testing Machine

Key features:

- Cosmo Leak Tester
- Mitsubishi PLC & HMI
- Fixture with Pneumatic locking & Part Presence Sensor

Fixtures & Jigs



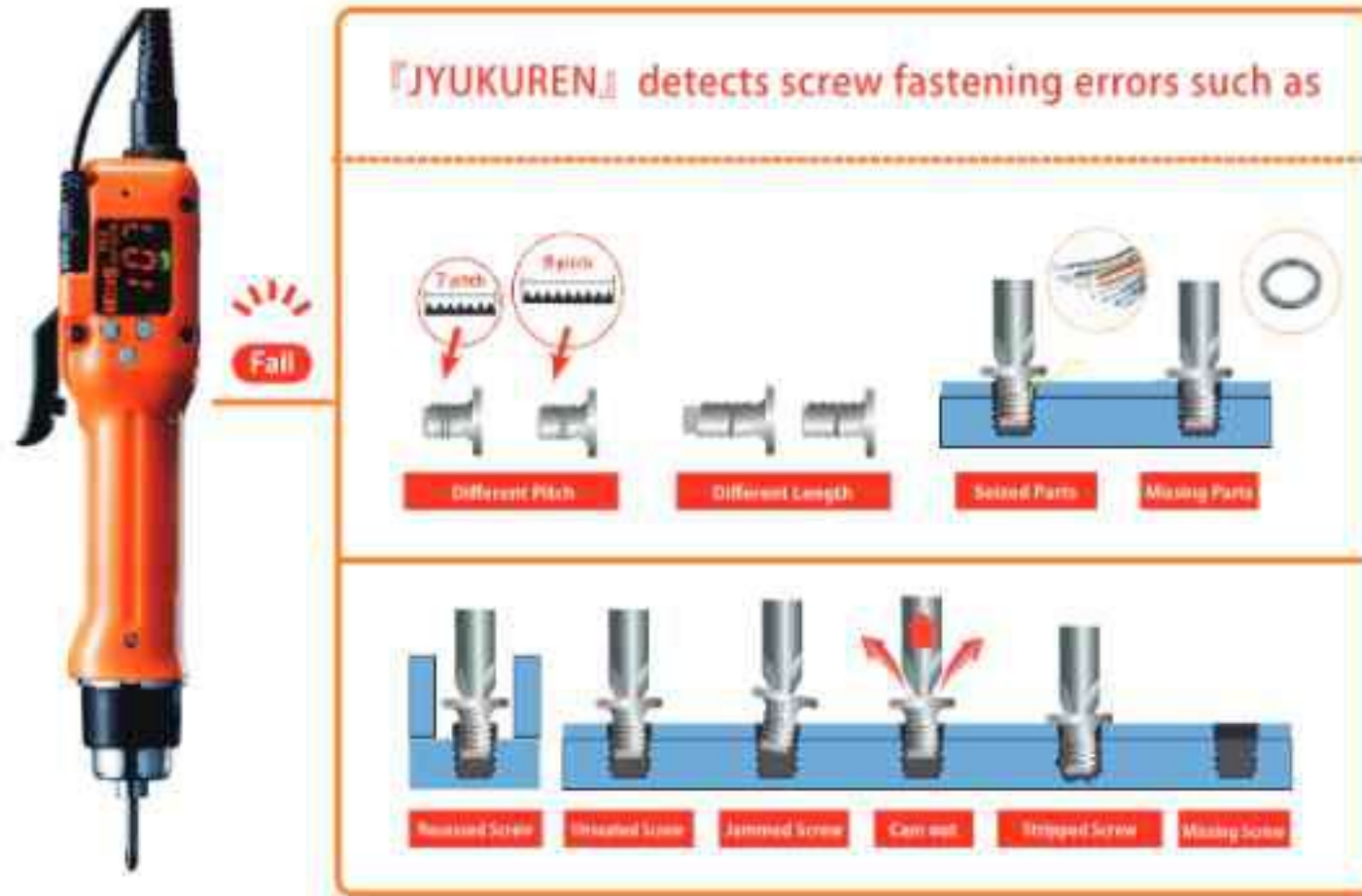
BLG Brushless DC Electric Screwdrivers

Model	Output Torque (Kgf.cm)	RPM (HI/LOW)	Screw Size (mm)
BLG-4000	1-5.5	1000/690	1.4~2.6
BLG-5000	2-12	1000/690	2.0~3.0
BLG-5000-15	3-10	1500/1000	2.0~3.0
BLG-5000-18	5-15	1800/1200	2.0~3.0
BLG-5000-HT	5-20	730	2.0~4.0



BLG-BC2 Built-in Pulse Counter Brushless Electric Screwdriver

- In-Built Screw counter function.
- BC2 detects errors in screw fastening in real time with high accuracy by counting the pulse of the motor.
- Misplaced screws of different type or length, recessed screws or floating screw due to seized cables are now detected.
- Installed serial port (RS-232C) makes it possible to set the driver by remote control record pulse values of each screw tightening for traceability.
- Direct Teaching allow a simple setting.
- The Screwdriver itself detects and notifies you of Screw fastening errors.



Vertical Screwdriver Operating Stand

VMS-40/VMS-50

The stand keeps the screwdriver in a vertical position, allowing accurate screw fastening.



RoHS
10
Compatible screwdrivers:

BL Series DC Brushless Electric Screwdrivers

- There is no carbon power emission & maintains a clean environment.
- Significant durability improvement considerably reduces maintenance cost.
- High speed rotation shortens screw fastening time & improves work efficiency.

Model	Output Torque (Kgf.cm)	RPM (HI/LOW)	Screw Size (mm)
BL-2000	0.2~2	990/650	1.0~2.3
BL-3000	2~5.5	980/680	1.7~2.3
BL-5000	2~12	900/590	2.0~3.0
BL-5000-15	3~12	1500/1000	2.0~3.0
BL-5020	5~20	750/500	2.0~4.0
BL-7000	7~28	960/630	2.6~5.0
BL-7000HT	7~35	700/500	2.6~4.0



CL Series DC Brushed Electric Screwdrivers

Model	Output Torque (Kgf.cm)	RPM (HI/LOW)	Screw Size (mm)
CL-2000	0.2~2.0	680/490	1.0~2.3
CL-3000	0.3~2.0	1000/670	1.0~2.0
CL-4000	1.0~5.5	1000/690	1.4~2.6
CL-6000	2.0~10.0	800/500	2.0~3.0
CL-6500	3.0~16.0	900/600	2.0~4.0
CL-7000	3.0~25.0	750	2.0~5.0



VB Series AC Brushless Electric Screwdrivers

Model	Output Torque (Kgf.cm)	RPM	Screw Size (mm)
VB-1510	2.5~15	970	2.0~4.0
VB-1510-18	2~10	1800	2.0~4.0
VB-1820	4~18	2000	2.6~4.0
VB-3012	5~30	1200	3.0~5.0
VB-3020	10~30	2000	3.0~5.0
VB-4504	10~45	400	3.0~5.0



Automation Electric Screwdrivers (Brushless/Brushed Series)

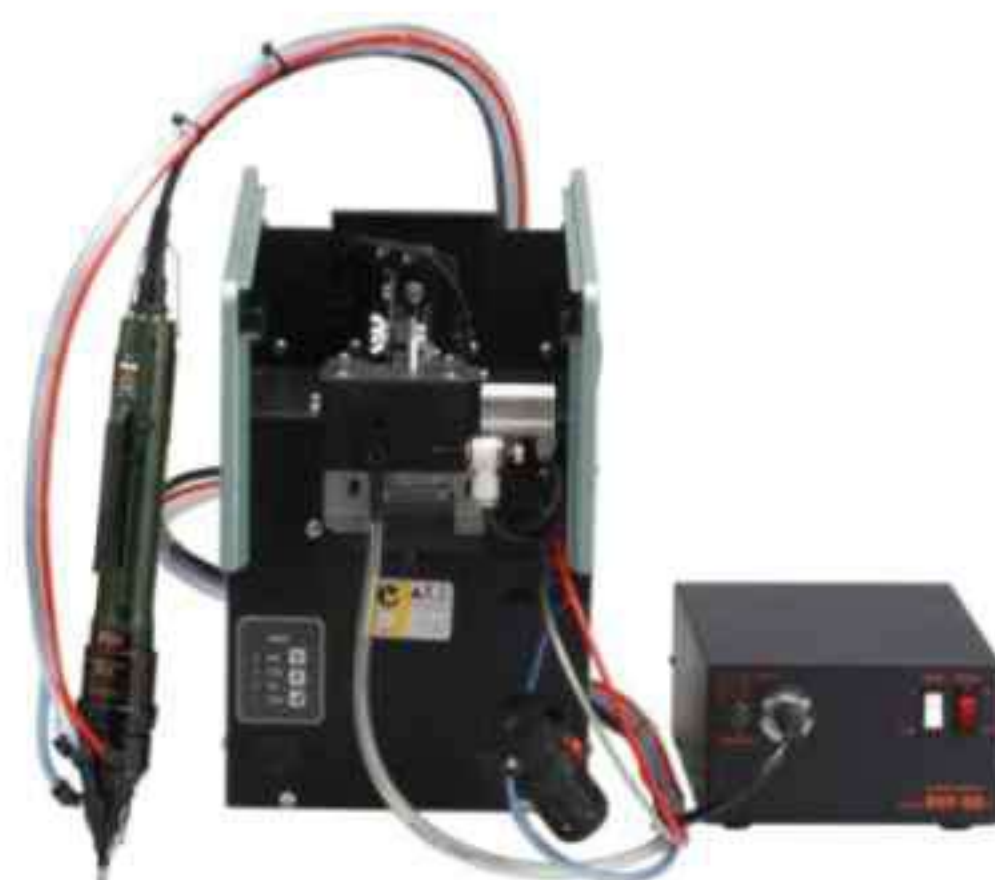
- Stable Torque accuracy helps to uniform screw fastening for automation.
- Vacuum attachment can pick up non-ferrous screws such as stainless steel screw by vacuuming & improve operation efficiency.
- The Power Supply can run the tool in reverse & switch between two speed settings.



Current Controlled Screwdriver DCD-40L



Recipro Screwdriver / Auto Feeding Screwdriver



Digital Torque Meter

Use for making torque setting on electric screwdriver, checking torque of wrenches or measuring torque of various rotating units.

HP Series

Model	Peak Measuring Range (N.m)
HP-10	0.015~1.0
HP-100	0.15~10.0



HDP Series

Model	Peak Measuring Range (N.m)
HDP-5	0.015~0.5
HDP-50	0.15~5.0
HDP-100	0.15~10.0



HM Series

Model	Peak Measuring Range (N.m)
HM-10	0.015~1.0
HM-100	0.15~10.0



HIT Series

Model	Peak Measuring Range (N.m)
HIT-200	0.15~18.0
HIT-500	1.5~50.0
HIT-2000	25.0~180.0



Automatic Screw Feeder



Manual Screw Feeder

- Screws are moved smoothly and
- Durability has been improved dramatically.
- Compact size does not take up space.
- Supported Screw Size:- M1~M6



Robotic Screw Feeder

- Provides high precision screw supply for automation applications.
- Disc escaper separates screw one by one, achieves high precision without screw jamming.
- Simple installation allows applications in various production environments.

Screwdriver Bits

Industrial Bits



Socket Bits



Precision Bits



Bit Holder/Others



OHTAKE Automatic Screw Feeder

Automatic screw presenters make use of horizontal rail system, which support wide range of screw material and shapes, diverse work styles and work piece dimension. This unique mechanism and advanced technology can hugely contribute to the efficiency of your production line.

OM-26R Screw Feeder

- Large capacity of 300cc-Can store up to 780 pieces of M3x12mm screws.
- Compatible with a wide range of screw types.
- Stable feeding supply for spring.
- Washer screws or other standard screws.



Fixed Quantity Count Screw Presenter

- Accurately feeds the number of screws input to counter.
- Horizontal rail system prevents screws from clogging or overlapping, achieving stable feeding.
- FM unit has capacity of 150cc add screw hopper for additional 400-1600cc stock



Pneumatic Screw Feeder

- Efficient feeding in large-area assembly lines.
- Provides improvement of assembly efficiency.
- Large storage available.
- Extended size of 1300cc is available.



Screw Hopper

- Extends operation time for screw feeders Increases capacity of regular feeder by 400-800cc.
- Simply to be placed above the screw feeder, conserving table space.
- Automatically supplies adequate amount of screw, with adjustable timer for fine adjustment.
- Reduction of time and labour in management.



Supports screws with washers & special formats



Normal screws



With washer



Nut



Special parts

DOGA[®] Torque Reaction Arms And Tool Positioning System

A pioneer and a leader in work station ergonomics, our wide range of torque reaction arms and tool positioning systems is an active contributor to the improvement of your operators comfort (elimination of MSD), of the quality of your assemblies and of your productivity.



Position Control Linear Torque Reaction Arm



Articulated Torque Reaction Arm



DPC Touch: sequencing & process monitoring interface

- Zero fault process
- Error proofing
- Sequencing
- Suitable with air and electric tools
- Automation device management



Transducerised DC Tools

ASG, Division of Jergens, Inc. supplies a full range of products and solutions for assembly. We specialize in providing world class quality torque control and error-proofing products and offer a vast array of premium and value engineered solutions for your assembly needs.

ACCURACY & DURABILITY-MADE IN USA

ASG offers X-PAQ[™] Precision Fastening Systems for SD2500 Series tools. Systems include the CT2500 X-PAQ[™] Controller, 10 ft. heavy weight tool cable, and SD2500 screwdriver or nut runner.

Torque (Kfg.cm) – 1- 56
Torque (Nm) – 0.1-5.6
RPM: up to 1700



TRANSDUCERIZED SCREWDRIVERS

Built-in Sensor with Superior Accuracy & Precision that Continually Measures Torque

- Built-in torque transducer digital torque & angle control DC tool
- Digital torque and angle setting in 15 presets and 2 multi step sequence programs
- Models managing variable presets with counting no. and I/O in sequential 20 steps
- Color LCD touch screen with the user friendly easy settings
- Auto safe speed by torque setting as a standard factory setting
- Self customizing on actual tightening application for optimized setting
- Monitoring fastening quality and count of screw numbers
- Error information by code display
- Easy parameter setting and monitoring by ParaMon (PC software)
- Real time torque data and curve display with 2ms resolution
- Real time fastening data output
- Modbus protocol open protocol
- RS232C, Ethernet communication port
- Fastening data storage in SD card
- 5% torque accuracy and +/-3% of repeatability
- Fastening torque data analysis (Stdev, Mean, Average, CP, CPK) on ParaMon
- 15 input and 8 output flexible digital I/O
- ESD Free by body grounding and long life time over 5 million cycle
- Built-in torque transducer



MDT SERIES
Torque (Nm) – 0.01 - 57



MDT MINI SERIES
Torque (Nm) – 0.98 - 68.7



BMT SERIES
Torque (Nm) – 2.9 - 50

CURRENT CONTROL SCREWDRIVERS

Achieve Multiple Fastening Tasks & Automate Torque Data Collection

- Digital torque and angle program in 15 preset numbers and 2 multi step sequence programs
- 15 Models managing variable presets with counting no. and I/O in sequential 10 steps
- Auto speed setting by torque
- Monitoring by ParaMon (PC software)
- Real time torque data and curve display
- Real time fastening data output
- Modbus protocol
- RS422, Micro USB communication port
- 10% torque accuracy in full scale and +/- 3% of repeatability
- Fastening torque data analysis (Stdev, Mean, Average, CP, CPK) on ParaMon
- 16 inputs and 8 outputs flexible digital I/O



MD SERIES



**AD-Series Screwdriver
& ADC Controllers**

ACCESSORIES MDT/MD/AD



**VACUUM
PICK-UP ASSY**



**TELESCOPIC
BIT CUSHION**



**BIT SOCKET
TRAY**



**44P IO
WIRING BOX**



**PISTOL GRIP
SIDE HANDLE**



**STANDS AND
BRACKETS**



**CABLE, I/O CABLE
& POWER CABLES**

TORQUE METER: EZ-TORQ III



FOOL PROOF APPLICATION



Progressive Cavity Pump



Pro-Pump System
1K Dispensing

Pro-Duo System
2K Dispensing
Resin + Hardner

Pro-Spray System

Innovative, Compact, Versatile, Precise & Durable. One-components Dispensing System!!

Material Supply Systems



Pressure Tanks

Can Pumps
(TCP-101N, 103N)

Pro Can Pumps

Manual Supply System

Complete Solution for:



Bonding



Potting



**Thermally Conductive
Gap Filler**



Conformal Coating



E-mobility

Dispensing Controller



Pneumatic Dispenser (THE-200)

Tubing Dispenser (TP-50)

Dispensing Valves



Diaphragm DV-100

Needle Valve DV-200

Accessories

DISPENSING TIPS & NOZZLE



**Angled
Needle**

Barrel



**Static
Mixer**

Cartridge Holder



Tape Dispenser

- Durable for long hours operation and suitable for cutting tapes.
- Wide range of selections as depends on tape width.
- Modify as depends on what kind of tape you use.

Model	Cutting Length	Tape Width	Dia. of Outside Roll
ZCUT-9GR	5-999mm	6-60mm	300mm
ZCUT-10	5- 999mm (folding 15~999mm)	6-60mm	300mm
ZCUT-870	15-70mm	3-25mm	



ZCUT-870



ZCUT-3EX



ZCUT- 3250



ZCUT-9GR



ZCUT-10



Label Dispenser

- Label will automatically come after you take label.
- Remove and dispense over 130 pcs labels per minute.
- Durable for 24 hours operation.



LXD Series



HLD 2000

Film Dispenser

- Cut OPP rolled film into various size of lengths at high speed.
- High speed cutting 65 pcs/min (100mm length).
- High durability due to stainless steel body.



HONDA ELECTRONICS

Ultrasonic Cutter

Ultrasonic cutter is a tool to help you with cutting tough material that require strong force to cut.

ZO-91 Model

- The blade of Ultrasonic cutter is vibrated in ultrasonic frequency by internal ceramics transducer.
- High speed vibration, 40,000 cycle per second (40 kHz) assists smooth cutting.



ZO-95 Model

- Based on the comparison with the cutting speed of ZO-91 in High mode when 2mm thick acrylic is cut by the force of 2kgs.
- S-High mode works to cut the object 1.5 times faster than the conventional model.



Ultrasonic Cleaner



DR. SCHNEIDER PC

Static Neutralizers/Ionizers/Air Guns

Bench Top Ionizing Blower



Ionizing Air Gun



Ionizing Air Bar



Horizontal Ionizing Air Blower





Complete automated systems for selective conformal coating, fluid dispensing, jetting, plasma treatment, infrared (IR) & ultraviolet (UV) curing ovens, multi-functional assembly, semiconductor manufacturing equipment, medical electronic dispensing and assembly machines, and total smart manufacturing system solutions.



iCoat-3 Automated Selective Conformal Coating Machine



Inline Automates Adhesive Dispensing & Jetting Machines



Atmospheric Plasma Treatment System



Inline Compact UV Curing Ovens



iCure Series Inline Infrared Heat Curing Ovens



Inline Compact Automated Curing Ovens (VCO)

ELEVATOR + TRANSFER + iCoat-3 + INSPECTION CONVEYOR + IR OVEN + TRANSFER + FLIPPER + iCoat-5 + INSPECTION CONVEYOR + IR OVEN + ELEVATOR



Conformal Coating Line with IR Curing



ユニテック株式会社 PCB Surface Cleaning Machine for SMT Line

Features

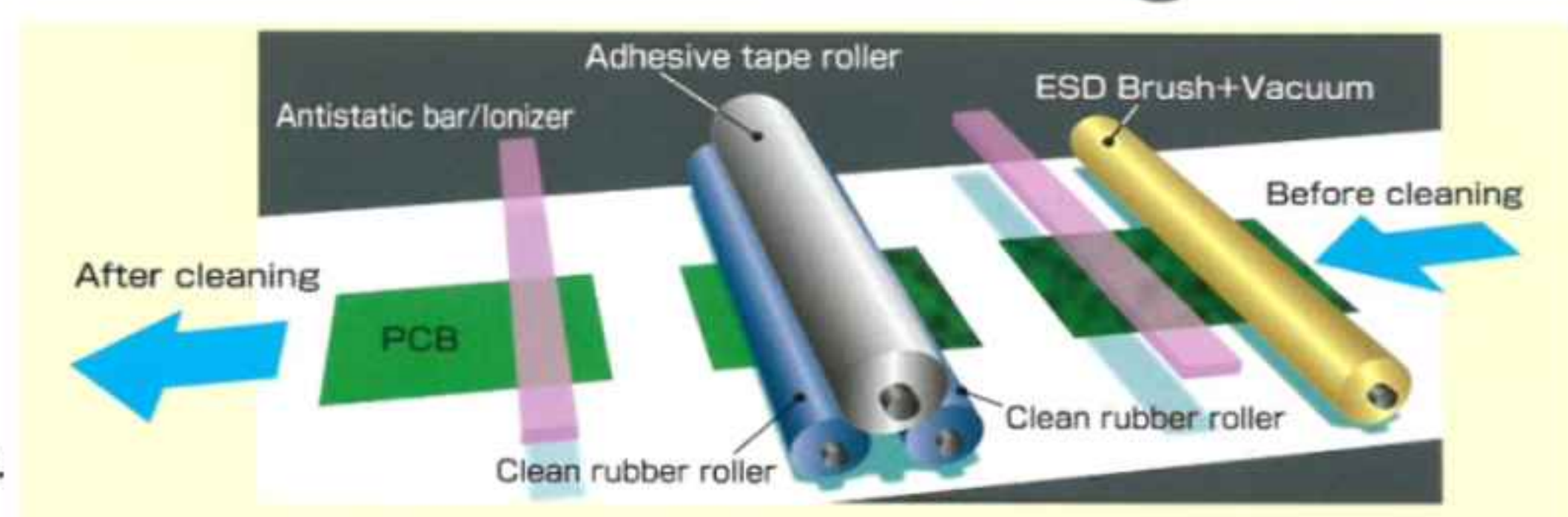
- UC-250, from CITIZEN'S established precision & machining technology - is specially designed for SMT line use
- Able to clean top surface of PCB even chip components attached on the bottom side
- Antistatic bar/ionizer is prepared as standard to neutralize static and to prevent dust from top surface of PCB

Advantages

- Easy to remove dust and other objects from surface of the PCB with strong adhesive rollers without damage to the board surface
- All types of dust can be removed
- Adhesive clean roll removes all dust from rolls
- Ionizer removes electric static on the PCB and preventing the static damage to the electronic components & CMOS chips
- Adhesive tape roll is easy to pull and cut

Operation & Result

- UC-250 can remove glass fiber, dust particles, etc. on top of PCB before solder.

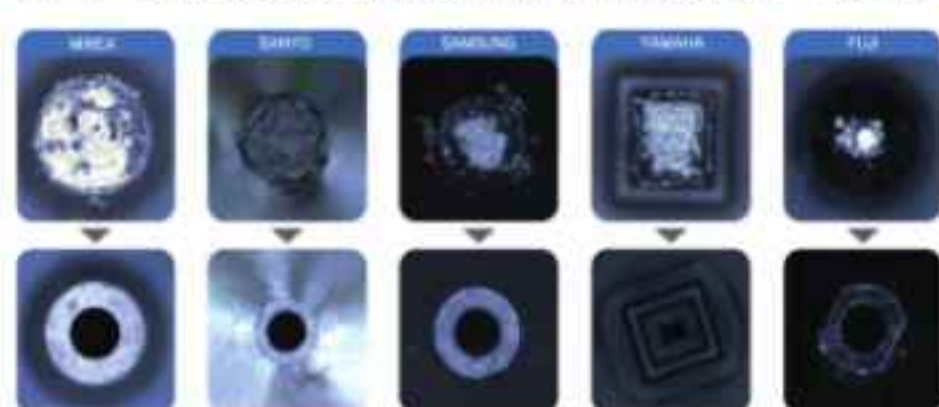


SMT Nozzle Cleaner



Product Features

- X24 Nozzles
- Available Various Cleaning Agents
- Speedy Cleaning
- Detachable Nozzle Holder
- Product State Indication LCD



Router Collet Cleaner



Product Features

- X6 Nozzles
- Speedy Cleaning
- High cleaning performance
- Detachable nozzle holder
- Product state Indication LCD
- Easy handling



Dispenser Nozzle Cleaner



Product Features

- Cleaning various types of nozzles
- Speedy Cleaning
- High cleaning performance
- Convenient UI by the touch screen
- Easy handling



Dr.Storage Humidity Solution Provider



1200 Ltr



600 Ltr



400 Ltr



200 Ltr

- <1% RH Ultra Low Humidity Dry Cabinet.
- 5% RH Dry Cabinet.
- 20 – 50%RH Dry Cabinet.
- Baking 400 C Dry Cabinet.
- Sensor Lock Centralised Monitoring System.
- Humidity Management.
- Digital Nitrogen Controller, Alarm Hygrometer.

- Data Logger & Reader.
- Smart Nitrogen Cabinets.



Data Logger



Storage Bins



N2 Filling Module



Flow Meter

plasmatreat Plasma Surface treatment

Plasma pretreatment is the key enabler technology for microfine cleaning, surface activation and plasma coating of nearly all kinds of materials – from plastics, metals and glass to cardboard, textiles and composites. More and more conventional industrial pretreatment methods are being replaced by plasma technology in order to make processes more effective and environmentally friendly.



Advantages:

- High process reliability
- High cost efficiency
- High degree of activation
- Wide process range
- Environmentally friendly



Uses:

- Plasma Coating
- Surface Activation
- Plasma Cleaning
- Plasma Processes
- Potential of plasma technology

The KED products cover wet type processing equipment for SEMICON, PCBA and SMT industry, cleaning applications like Wafer, CMOS, Flexible PCB, PCBA Flux, Stencil, Squeegee, Wave Pallets, Reflow filters etc.

Cleaning Applications:



PCBA



WAVE PALLETES



STENCIL



SQUEEGEE



WAFER, CMOS,
HOLDER ETC



REFLOW FILTERS



Model: KED 600
Batch Cleaning Machine

Application: PCBAs, Misprints



Model: At3000
Batch Cleaning Machine

Application: PCBAs, Misprints,
Squeegee Blades



Model: D300
Ultrasonic Cleaning Machine
(Cleaning)

Application: Reflow Oven Filter,
Fixtures, Mechanical Parts



Model: D500
Ultrasonic Cleaning Machine
(Cleaning + Rinsing)

Application: Reflow Oven Filter,
Fixtures, Mechanical Parts



Model: D1000/D1300
Rotary Cleaning Machine

Application: Wave Pallets,
Reflow Oven Radiator, Magazines



Model: K1800/K2000
Stencil Cleaning Machine
(Pneumatic)

Application: Stencils, Misprints



Model: K3200L
Stencil Cleaning Machine

Application: Stencils, PCBAs,
Squeegee Blades



Model: DI Water Generator
200L/500L/800L/1000L

Application: Generate DI water
for cleaning use



Model: AT Series
Inline Cleaning Machine

Application: PCBAs, Leadframe
Substrate, Semicon Packaging

GAM 300/GAM330 Vision Added Automatic PCB Separator

Features

- Equipped with high-speed CCD vision alignment system in all series of products to enhance the precision in cutting and efficiency in operation.
- Use high-speed spindle with small cutting stress to precisely cut PCB of any shape.
- Provide dual worktables. While one is used for cutting, the other can be used for loading to enhance efficiency of production.
- Patented dust collector with low noise and high efficiency. Easy to clean and maintain.
- Windows OS and window-based interface panel. Safe, stable, easy to learn and operate.



GAM 330AT In-Line Automatic PCB Separator

Features

- In-line automatic PCB separator can load, cut, and un-load PCBs automatically to meet the needs of automatic factory.
- Can automatically adjust width to adapt to the size of PCB. Can automatically differentiate finished PC board from waste material after cutting for saving labour costs.
- Provide dual worktables for placing and cutting PCB in parallel to enhance the efficiency of operation.
- The system has auto-focusing function and requires no manual operation to adjust focus.
- Use high-speed spindle for cutting with auto tool-change function. Save a lot of time in tool change by hand.
- Automatic detection of broken/dropped/reversed milling too in auto tool-change.
- The MES central control system can be linked to upper information management system and provide integrated production data to monitor the status of equipment at anytime.

Specifications

ITEMS	GAM300	GAM330AT In-Line
Valid cutting size	300*350mm	300*350mm
Cutting function	Linear, L shape, U shape, circular, Arc	
Process table	Dual tables	
Repeat precision	± 0.01mm	
Cutting precision	± 0.1mm	
XYZ axis driving mode	AC Servo Motor	
Spindle speed	Max at 60000rpm (Adjustable)	
Tool change type	Auto tool change	
Router bit detection	Automatic router bit detector	
Routing speed	1~100mm/sec (Adjustable)	
Adapt to routing bit size	ø0.8~3.0mm	
Dust collector power efficiency	3HP	3HP
Dust - collector method	Standard to assemble the down dust collector. (The Up dust - collector is an option)	



Lower Dust Collector



Upper Dust Collector



SMD Chip Counter



Stencil Hole Cleaner



Solder Paste Height Checker



Solder Paste Mixer



Reflow Checker



V-Cut PCB Separator

SMT Equipment

BOARD HANDLING & AUTOMATION SYSTEMS

Board Handling Systems control the flow of “Printed Circuit Boards” (PCB) in an automatic assembly line.

We supply flexible manufacturing systems to the electronics manufacturing industry to automate the manufacturing processes.



Laser Marking Machine



Auto Label Machine



Magazine Loader



Magazine Unloader



Destacker



Link Conveyor



Inspection Conveyor



Vacuum Loader



Reject Conveyor

SAN-EI TECH[®] FLUID DISPENSING—A KEY FOR CRITICAL ASSEMBLY PROCESSES

When it comes to providing solutions to fluid dispensing challenges, SAN-EI TECH services customers across various industrial sectors with unparalleled technical expertise. SAN-EI TECH continues to offer a diverse product line that delivers both quality and value while responding to market demands for higher precision and performance.



High Speed Non-contact
Jet Dispenser



Conformal Coating Valve



Spray pattern



High Viscosity
Spray Valve

Component Pre Forming & PCB Separator Machines

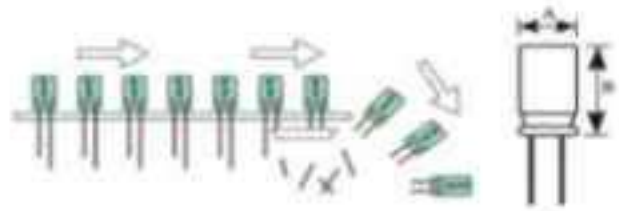
Main products:

- PCB V-Cut Separator
- Radial Component Lead Cutting Machine
- Axial Lead Forming Machine
- Transistor Lead Forming Machine
- Automatic Soldering Robot
- Solder V-Groove Feeder
- IC Forming Machine
- Stripping Cutting Machine
- SMT Counter and SMT spare parts

PCB V-Cut Separator



Radial Component Lead Cutting Machines



Axial Lead Forming Machines



Power Transistor Lead Forming Machine



Automatic Bulk Components lead Forming & Testing Machine



Jumper Wire Forming Machine



Solder V-Groove feeder



Screws/Washer counting & Packing Machine



audio-technica

Hand Cleaner & Accessories



Dust Cleaner & Accessories



Roller Cleaning Liquids



Symor Instrument Equipment Co.,Ltd (Climatest Symor® below) is one of leading environmental test chamber manufacturer in China, located at Dayang Industrial Park,Hefei.Climatest Symor® integrates state-of-the-art climatic chambers' R&D with advanced production capacity.Through 20 years' striving efforts, Climatest Symor® has developed to be China top enterprise in climate simulation field, we have production factories in Hefei and Changzhou City.



Drying Oven



Aging Oven



Vacuum Oven



Benchtop Vacuum Oven



X-Ray SMD Component Counting Machines



SPI & AOI Machine



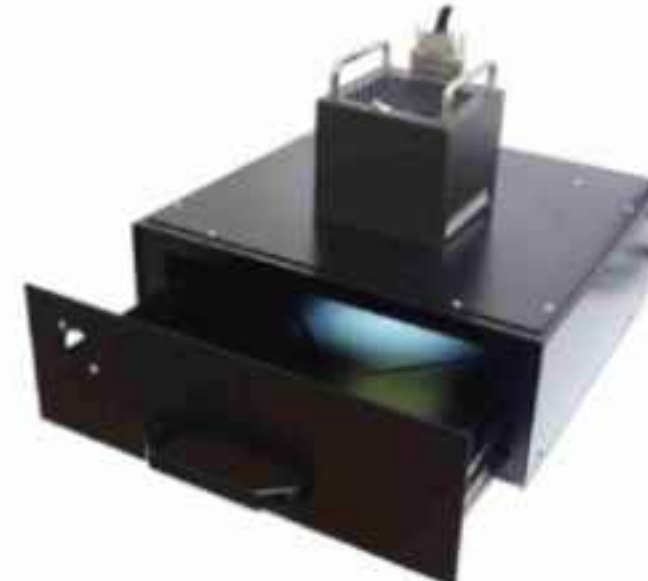
X-Ray Inspection System



BGA Rework System



UV-LED Spot Curing System



Drawer UV-LED Curing System



Oven UV-LED Curing System



A complete range of Soldering, Desoldering, SMT Rework, IR and Conventional Pre Heaters

Key Features:

- Soldering at lower temps - 50°C less than other brands
- Fast temp recovery - 350°C in 2 secs
- Tip life 5 times - Using Sleep & Hibernation modes
- Increase your productivity - Easy cartridge extraction saves time
- 6 different tools - Control unit accepts 6 tool changes
- Ergonomic tools - Comfortable & light
- Easy-to-use Menu - Over 20 parameters to personalize your station
- 400 cartridge shapes - to suit all your needs
- Constant product innovation - is our commitment
- Communication Station - PC - The freedom to manage your work remotely



Digital Microscopes and Measurement Systems



Video Measurement Systems



Digital Microscopes

Laser Marking Equipments



Fiber Laser Marking Machine



PCB Laser Marking Machine

Other Peripheral Equipments



Fully Automatic Vision Solder Paste Screen Printer



Fully Automatic Odd form Pick & Place machine



Vertical Curing Oven



Selective Soldering



Solder Dross Recovery System



Fume Extractor



Reflow Oven



Wave Soldering

Consumables



Routing Bits



Soldering Bits



SMT Nozzles



Magnetic Ring



Spring Balancer

TECHNOVISION, INC.



UV Curing System



Manual Wafer Mounter



Wafer Expander



Photo Mask Cleaner



Cassette Cleaning System

CUON Solution

Tape Lamination

- Auto Bg Tape Lamination
- Auto Lc Tape Lamination
- Auto Carrier Lamination
- Auto Dry Film Lamination
- Metal Tape Attachment
- Auto PCB Lamination

Tape Mount

- Auto Wafer Mounter
- Auto Mounter & Detaper
- Auto Precut-tape Mounter
- Auto MDS With Grinder
- Auto Taiko Wafer Mounter
- Auto PCB Mount System
- Auto Tape Remount
- Auto Frame Mounter

Tape Remove

- Auto Wafer Remover
- Auto Frame Remover
- Auto Wafer/frame Remover
- Auto Carrier De-bonder
- Auto PCB Detaper

Other Systems

- Wafer UV Cure
- Wafer UV Bake System
- Wafer Inspection System
- Plasma Cleaner
- Hot Water Cleaner
- Wafer Thickness Measurement
- Wafer Warpage Measurement
- Wafer Expander
- Wafer Sorter/transfer System
- Auto EFEM System – Load/unload For Wafer/pcb



IWATSU

Test & Measurement Equipment



CATS

Computer Aided Test Systems

Test System



HYBOND

Wire & Ribbon Bonder, Die Bonder, Peg & Beam Bonder



Wafer Backgrind Tape



Wafer UV Dicing & Non Dicing Tape



Wafer Backgrind Tape



Wafer UV Dicing Tape



Wafer Non Uv Dicing Tape



Grip Ring for Wafer



Grip Ring Cassette



Some Proud Associations



OUR GALLERY





HIBEX GROUP OF COMPANIES

SINGAPORE | INDIA | THAILAND
MALAYSIA | VIETNAM | INDONESIA
PHILIPPINES

Gurugram: Sales Office, Warehouse, Trading,
Engineering supports & Machine Manufacturing Facility

Bangalore: Sales Office, Warehouse, Trading, Engineering
supports & Machine Manufacturing Facility

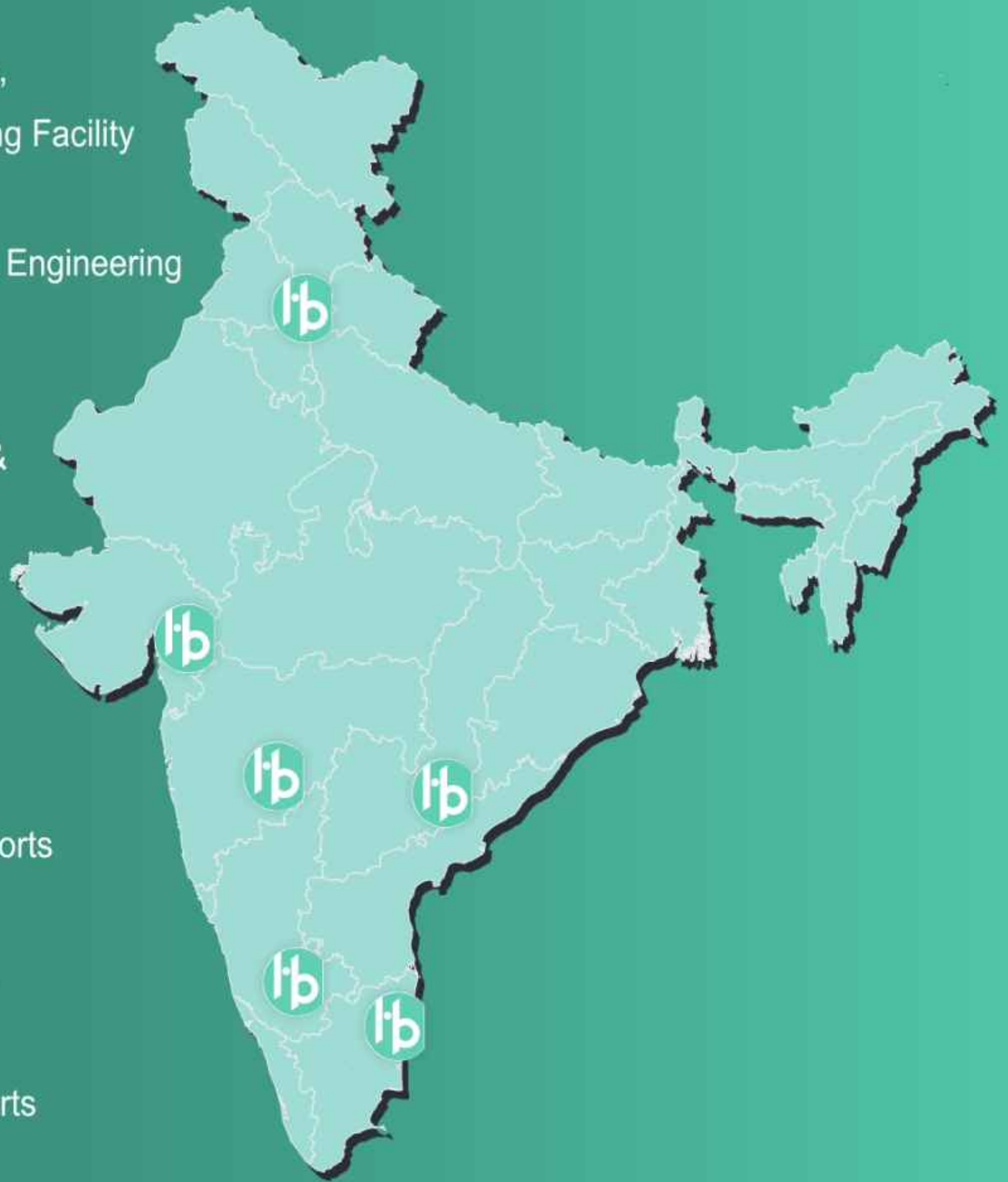
Chennai: Sales Office, Engineering supports &
Machine Manufacturing Facility

Pune: Sales Office & Engineering supports &
Machine Manufacturing Facility

Ahmedabad: Sales Office & Engineering supports

Mumbai: Sales Office & Engineering supports

Hyderabad: Sales Office & Engineering supports



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