



ハイベックス インド

HIBEX INDIA

Where challenges are converted to solutions



DESKTOP, SCARA
& CARTESIAN ROBOTS ●

ELECTRIC SCREWDRIVER
& ASSEMBLY TOOLS ●

AUTOMATIC TAPE
& LABEL DISPENSERS ●

LIQUID DISPENSING SOLUTION ●

SOLDERING SOLUTION ●

CLEANING SOLUTION ●

SMT EQUIPMENTS ●

www.hibexindia.com

NEW DELHI | BANGALORE | MUMBAI | PUNE | CHENNAI | AHMEDABAD

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:

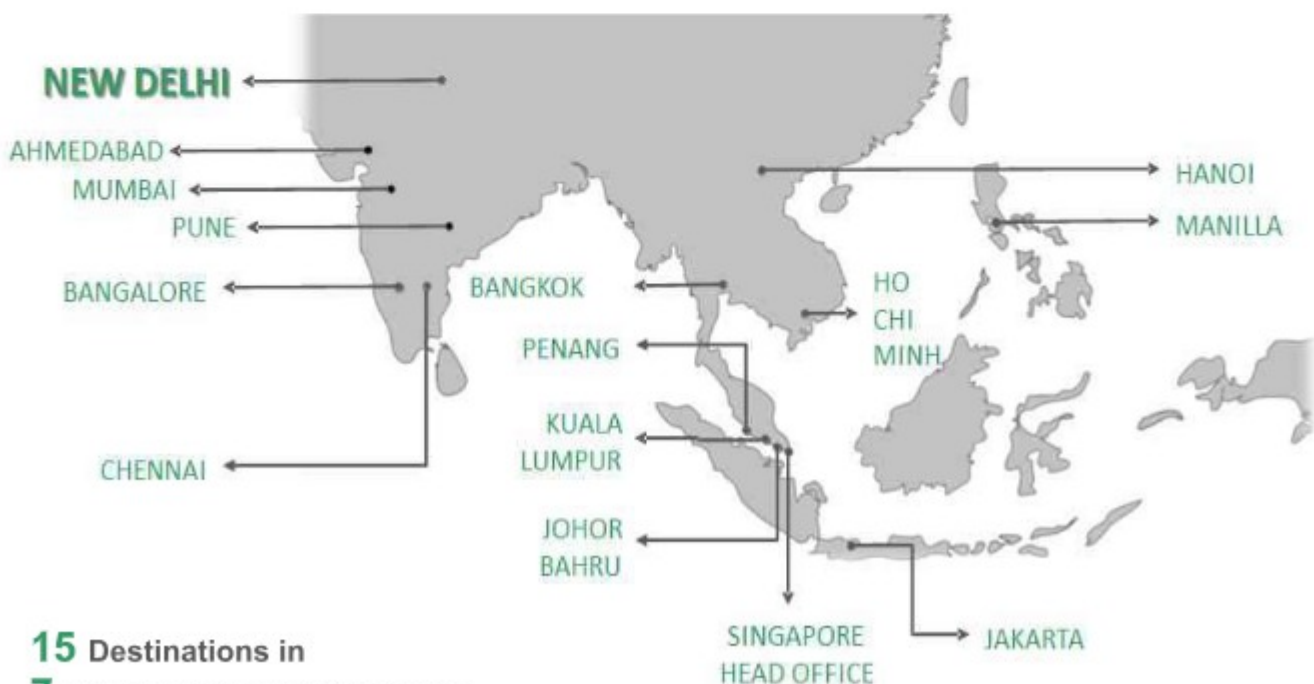
PRODUCT RANGE: Offer solutions for wide industry range including PCB, SMT, SEMICONDUCTOR and General Industry sectors.

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.



15 Destinations in
7 Countries in the Asia Pacific

Industrial Robots

Janome Industrial Equipment – Japan

- Desktop, Cartesian and SCARA Robots.....1
- Robot Applications2

Special Purpose Machines

- Customized Screw Tightening, Glue dispensing, Soldering, Vision Inspection & PCB Cutting.....3

Screw Tightening Solution

HIOS Inc. – Japan

- Electrical Screwdrivers..... 4
- Recipro Screwdriver, Digital Torque Meter.....5
- Screw Feeder, Bits & Torque Arm..... 6

HANTAS – South Korea

- Digital Torque & Angle Controlled Screw Drivers..... 7

ASG – USA

- Digital Torque & Angle Controlled Screw Drivers 7

Liquid Dispensing

TAEHA Corporation – South Korea

- 1K Pro Pump & 2K Pro Duo Pump8
- Valve, Dispensing Controller & Material Supply System 9

Tape, Label & Film Dispensers

YAESU KEIKOGYO CO LTD – Japan

- Tape, Label & Film Dispensers10

Bare PCB Cleaner

Unitech – Japan

- Bare PCB Cleaner11

Nozzle Cleaner

BST – South Korea

- SMT Nozzle, Dispensing Nozzle & Router Collet Cleaner..... 11

Humidity Solution

Ace Dragon Corporation (Dr. Storage) – Taiwan

- Dry Cabinets12

Plasma Surface Treatment

Plasmatreat – Germany

- Plasma Uses & Advantages 12

Ultrasonic Cutter

Honda Electronics – Japan

- Ultrasonic Cutter13

Ultrasonic Cleaner

JEKEN Ultrasonic Cleaner

- Digital, Multifunctional & Industrial Cleaner13

Static Ionizers

Dr. Schneider – China

- Bench Top Ionizing Blower, Ionizing Air Gun/Bar 13

Cleaning Equipment's

KED Tech – China

- SMT Stencil, PCBA & Pallet Cleaning Machines 14

PCB Depaneling & SMT Equipments

GENITEC TECHNOLOGY – Taiwan

- Offline & Inline Routers & SMT Equipment's 15

Board Handling & Automation Equipment's

- Laser Marking Machine, Auto Label Machine, Magazine Loader/Unloader, Link Conveyor, Gate Conveyor , PCB /Bare Board cleaner, Inverter (Vertical Turn Conveyor), Vacuum Loader, Destacker16

Component Preforming Machines

- Radial & Axial Lead Forming & PCB V-Cut Separator 17

Environmental Test Chamber

Climatest Symor

- Drying Oven, Vacuum Oven, Thermal Shock Chamber, Rain Test Chamber.....18

Soldering/Desoldering Tools

JBC – Spain

- Soldering/Desoldering & Rework Station , Preheater, Fume Extractors & Auto Feeder18

Digital Microscope & Measurement Systems

- Video Measurement, Digital & handheld microscope19

Laser Marking Equipments

- Fiber, CO2 & PCB Marking Machine 19

Other Equipments

- Solder Paste Printer, Odd form Pick & Place Machine, BGA Rework System , X-Ray Inspection System, Solder Dross recovery system, Fume Extractor, Magazine Rack & Magnifying Lamp..... 19

Consumables

- Routing & Soldering Bits, SMT Nozzles, Mag Ring, Spring Balancer.....19

JANOME Janome Industrial Equipment

Building on technology refined through years of precision sewing machine development, we forge ahead in the high function industrial equipment field. Always on the cutting edge in manufacturing, we devote ourselves to offering the finest quality in everything we do from product development to after sales service.

Our main products, namely servo presses and desktop, Cartesian and SCARA robots are valued by customers worldwide for precision work in a variety of manufacturing fields, including the automotive parts, IT and electronics industries.

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

A 3 or 4-axis robot with smooth, precise tracking and high repeatability. The standard model features multiple interface ports; ideal for inline installation. Combine stroke sizes to fit your needs; we offer a wide selection of size configurations.

Item	Model	3 Axis		4 Axis
		JC-3A00-0T3 (Single Side)	JC-3A00-0T3 (Double Side)	JC-3B01-0H4 (Double Side)
Number of axes		3 Axis (Synchronous Control)		4 Axis (Synchronous Control)
Operation Range	X axis(mm)	200/300/400/500/600	300/400/500/600	300/400/500/600
	Y axis(mm)	200/300	300/400/500	300/400/500
	Z axis(mm)	50/100/150/200	50/100/150/200	100/150
	R axis()		N/A	±360°
Maximum Portable Load (kg)		4	8	3
Maximum Speed (PTP Drive)	X axis(mm/sec)		800	800
	Y axis(mm/sec)		800	800
	Z axis(mm/sec)		400	400
	R axis(deg/sec)		N/A	900



SCARA Robots

Equipped with a powerful servomotor, our user-friendly, vertical multi-jointed robot is useful for a wide range of jobs, from high-speed small parts pick-and-place to high-precision component assembly.

Item	Model	J53-3520	J53-4520	J53-5520
		Number of axes	4 Axis	
Arm Length (mm)	Maximum Arm length (J1+J2)	350	450	550
	J1 Arm	125	225	325
	J2 Arm		225	
Operation Range	J1 Arm		340°(±170)	
	J2 Arm		290°(±145)	
	J3 Arm		200mm	
	J4 Arm		720°(±360)	
Portable Mass (kg)		Maximum 6 (Rating 3)		
Acceptable Moment of Inertia (kgm ²)		Maximum 0.12 (Rating 0.01)		
Maximum Speed	J1+J2+J4 Axis Combined(mm/sec)	6900	7600	8300
	J3 Axis (mm/sec)		2080	
	J4 Axis (mm/sec)		2500	
Standard Cycle Time (sec)		0.29		



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

Applications:

Screw Tightening

With our dedicated screw tightening software, teach a program just by setting screw tightening conditions such as screw length, pitch, driver rpm, etc., and specifying the tightening



Janome Automatic Screw Presenter



PCB Depaneling

This dedicated depaneling software for the JR3000ERT includes a function notifying when it is time to change the spindle motor router bit.



Optical Inspection

The JR3000 Series is powered by a visual inspection system to create a multifunctional inspection system, Wide Range of Inspection Uses: Wrong components, text, missing screws, missing parts on tray, scratches, dents, THT soldering and barcodes



Soldering

Automatic Cartridge Exchange allow the soldering robot to use the best tip for every single solder joint on the assembly to get the Highest Soldering Quality.

Liquid / Glue Dispensing

With our dedicated dispensing software, teach by pointing the dispenser needle tip to the position you want and select the type of dispensing movement (point dispensing, line dispense, fill-in dispense, etc)



Conformal Coating

Achieve maximum coverage of Conformal Coating by Controlling 2 external motors for Tilt-and-Rotate



Cartesian Inline



Twin Table Robot



SCARA Pick & Place



Janome Servo Press



DOBOT Collaborative Robots

CR Series Robots

The DOBOT CR Series consists of 6 payloads: 3 kg, 5 kg, 7 kg, 10 kg, 12 kg, 16kg and 20kg, with repeatability of ± 0.02 mm. They are safe for human collaboration, easy to use, flexible and simple to deploy, making them ideal for a wide range of industries: automotive, consumer electronics, semiconductor, healthcare, chemical and new retail. The CR Series lowers labor cost while enhancing production efficiency.

- Safe Skin
- Smart Movement
- Innovative Pre-collision Sensing Technology



Model	CR3	CR5	CR7	CR10	CR12	CR16
Weight	16.5 kg	25 kg	24.5 kg	40 kg	39.5 kg	40 kg
Max. Payload	3kg	5kg	7kg	10kg	12kg	16kg
Working Radius	620 mm	900 mm	800 mm	1300 mm	1200 mm	1000 mm
Max. Reach	795 mm	1095 mm	990 mm	1525 mm	1425 mm	1225 mm
Rated Voltage	DC48V	DC48V	DC48V	DC48V	DC48V	DC48V
Max. Speed of TCP	2 m/s	3 m/s	3 m/s	4 m/s	4 m/s	3 m/s

M1 Pro Collaborative SCARA



Model	M1 Pro
Weight	15.7 kg
Max. Payload	1.5kg
Working Radius	400 mm
Repeatability	± 0.02 mm
Rated Voltage	100~240V AC
	50/60 Hz

MG400 Collaborative Robot

Model	Mg400
No. of Axis	4
Payload	500gm (750gm max.)
Working Radius	440 mm
Repeatability	± 0.05 mm



Servo-Electric Grippers

MG 400 Collaborative Robots



Industrial Parallel Grippers



Direct Drive Rotary Gripper



Linkage-type Adaptive Grippers



Special Purpose Machines

Offering Complete Automation solution

We Develop Customized End To End Automation Solution For Screw Tightening, Glue Dispensing, Soldering, Vision Inspection, Testing, Material Handling & PCB Cutting. We Have In-house Manufacturing, Design & Programming Facilities With Highly Skilled & Trained Engineering Team.

Manesar, Haryana, Manufacturing & Integration Facility



Some of the Automation Solutions Developed by us:

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
- HANYAS: 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

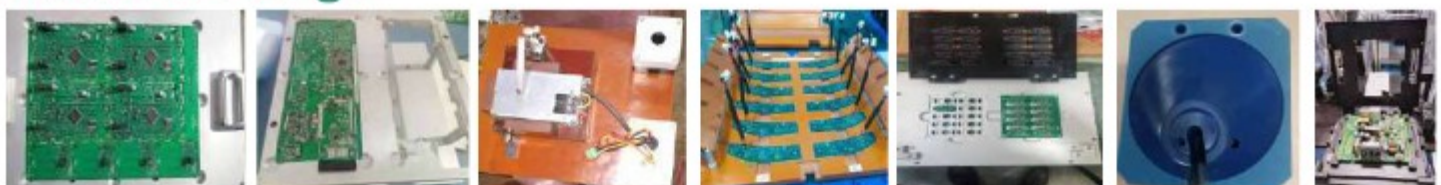


Manual Screw Tightening Station with Position Control System

Key features:

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

Fixtures & Jigs

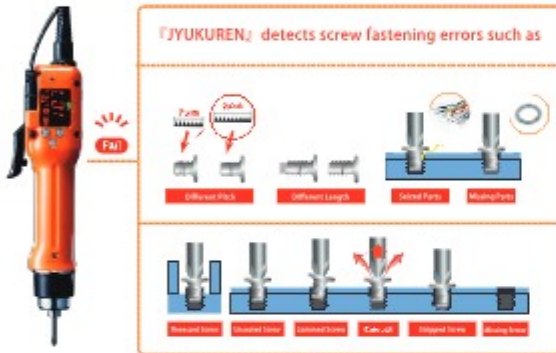


BLG Brushless DC Electric Screwdrivers

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.



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)

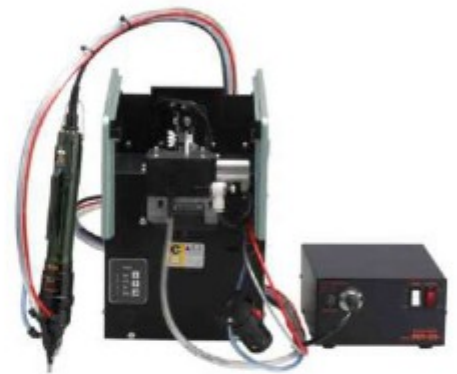
- Stable Torque accuracy helps to uniform screw fastening for automation.
- Vacuum attachment can pick up non-ferrous screws such as stainless steel screw by vacuuming & improve operation efficiency.
- The Power Supply can run the tool in reverse & switch between two speed settings.



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.

OH TAKE 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

Screwdriver Bits

Industrial Bits



Socket Bits



Precision Bits



Bit Holder/Others



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



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

DPC Touch: sequencing & process monitoring interface

HANTAS Digital Torque & Angle Control Screwdriver

Hantas is one of the leading company in screw tightening assembly technology in the world. Its creation is very unique and effective for the variable assembly solution.

MD SERIES- MANUAL & AUTOMATION DRIVERS

FEATURES:

- Swiss made DC servo motor used
- ESD free by body grounding
- Torque repeatability 3%
- Long life time over 5 million cycle
- Inside memory chip for tool data
- Automation system capability
- 5" Color LCD with touch screen
- Inside SD memory card



Torque (Kfg.cm) – 0.3- 500
Torque (Nm) – 0.03-50
RPM: up to 2000

BM SERIES-Wi Fi ENABLED DRIVERS

FEATURES:

- 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 fastening quality and count of screw numbers
- Error information by code display
- Easy parameter setting and monitoring by ParaMon AIR (PC software) & Web server



Torque (Kfg.cm) – 0.3- 500
Torque (Nm) – 0.03-50
RPM: up to 2000



AD SERIES-AUTOMATION DRIVERS

FEATURES:

- Programmable 7" touch LCD with monitoring and data saving feature (Option)
- Synchronizing torque control
- 10% of torque accuracy in full scale
- +/- 3% of repeatability



Torque (Kfg.cm) – 0.5- 3000
Torque (Nm) – 0.05-300
RPM: up to 2000



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.

- Precise, accurate transducerized DC electric torque and angle controlled fastening
- 32 tasks for multiple assembly set-ups
- 8 available torque or angle control parameters within each task
- Data collection, and run down graphing/export
- Programmable I/O for process control
- Available network interface for advanced data export and interfacing with plant controls

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



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

Pro Can Pumps

Manual Suppl 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 (Rolling 15-999mm)	6-60mm	300mm
ZCUT-870	15-70mm	3-25mm	
ZCUT-3EX	30-7000mm (When in manual use) 100-7000mm (When in auto use)	15-80mm	150mm
ZCUT-3250	40-9999mm	15-250mm	240mm
XCUT-100	30-9999mm (When in manual use) 80-9999mm (When in auto use)	20-100mm	200mm (Include Stand 400mm)
XCUT-150	30-9999mm (When in manual use) 60-9999mm (When in auto use)	20-150mm	200mm
XCUT-300	30-9999mm (When in manual use) 100-9999mm (When in auto use)	50-300mm	200mm
XCUT-500	50-9999mm (When in manual use) 100-9999mm (When in auto use)	80-500mm	200mm



Varieties of Tape can be used



Label Dispenser

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

Model	Label Usable Width	Label Length	Dia. of Outside Roll
LDX-60	15-60mm	10-999mm	200mm
LDX-120	15-120mm	10-999mm	250mm
LDX-180	15-180mm	10-999mm	300mm
HLD-2000	10-75mm	15-100mm	180mm
PLD-3000	4-75mm	4-100mm	180mm



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.

Model	Cutting Length	Film Width	Dia. of Outside Roll
FD-160 III (with Film holder)	20-9999mm	160mm	210mm
FD-200 III (with Bobbin)	20-9999mm	200mm	210mm
FD-300 (with Bobbin)	20-9999mm	300mm	210mm





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



iPure-1 Industrial VOC Fume Extractor Air Filtration 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

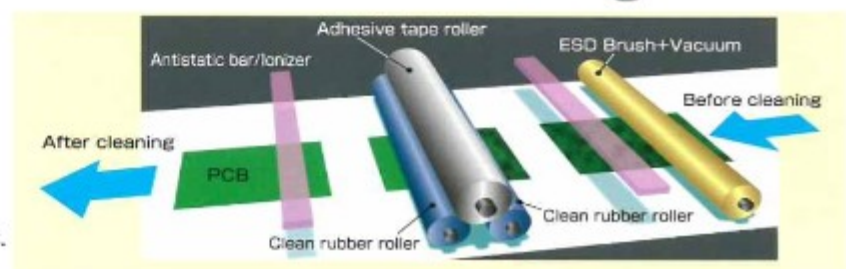
- UC-250, from CITIZEN'S established precision & machining technology - is specially designed for SMT line use
- Able to clean top surface of PCB even chip components attached on the bottom side
- Antistatic bar(ionizer) is prepared as standard to neutralize static and to prevent dust from top surface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

Advantages

- Easy to removes dust and other objects from surface of the PWB 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 PWB 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.

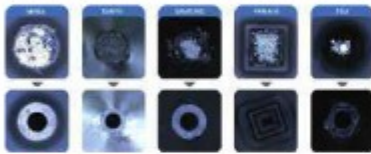


SMT Nozzle Cleaner



Product Features

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

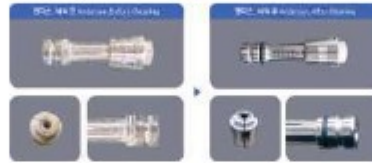


Router Collet Cleaner



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

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

High power transducer for superior cleaning result, Obvious cleaning effect can be seen with naked eyes

Digital Ultrasonic Cleaners

Digital Timer and Heating Control	
Ultrasonic Power	50-720 W
Heating Power	100-1000 W
Ultrasonic Freq.	40 KHz
Capacity	0.6-45 L



Industrial Ultrasonic Cleaner



Multifunctional Ultrasonic Cleaner

Digital Timer and Heating Control	
Ultrasonic Power	120-720 W
Heating Power	100-1000 W
Ultrasonic Freq.	40 KHz
Capacity	3.2-45 L



Digital Timer and Heating Control	
Ultrasonic Power	300-3600 W
Heating Power	300-3300 W
Ultrasonic Freq.	20-40 KHz
Capacity	23-250 L

DR. SCHNEIDER PC Static Neutralizers/Ionizers/Air Guns

Bench Top Ionizing Blower

Technical Specification	
Input Voltage	220VAC
Power Consumption	50VA/ 250VA
Operating Temp.	-10°C ~ +45°C
Air Volume Range	50-110CFM
Power	200W



Ionizing Air Gun

Technical Specification	
Operating Voltage	4.6KV
Operating Temperature	-10°C ~ +45°C
Weight	0.4kg
HV Cable Length	3m
Operating Air Pressure	0.3-0.8Mpa



Ionizing Air Bar

Technical Specification	
Voltage	7KV/50Hz
Air Pressure	0.3-0.8Mpa
Discharge Time	≤ 1.5s(0.5Mpa)
Offset Voltage	≤ 50V



Horizontal Ionizing Air Blower

Technical Specification	
Input Voltage	220VAC or 110VAC
Power Consumption	Max 250VA
Operating Temperature	-10°C ~ +45°C
Air Volume Range	(50-95)CFM
Weight	7.5kg
Size	460x 225x 190mm



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



A low and middle volume PCBA batch cleaner for flux residual. Clean, rinse and dry sections are completed in one chamber.
Max clean capacity:
610mm (L) *560mm (W) *100mm(H)

Inline Cleaning Machine for High volume PCBA Cleaning.
Standard process: Pre cleaning->Cleaning->Chemical isolation--Pre rinsing-Wind cut isolation--Rinsing--Rinsing 2--Final spray-- Wind knife 1 cutting water-- Wind knife 2 cutting water -- Hot air drying



Model: K1800
Fully Automatic Pneumatic stencil cleaning machine Compact, Easy to operate, Easy Maintenance
Process: Cleaning and warm air dry
Max Stencil size: 750 X750X40mm



Model: K3000L-Water based cleaning machine
Fully Automatic stencil cleaning machine for water based cleaning solutions
Process: Cleaning-Chemical isolation- Rinsing (Open / close loop) – hot air knife drying
Max Stencil size: 750 X750 X40mm

Model: D500
Wave pallet, reflow filters cleaning machine.
Cleaning Process: Cleaning Chamber, Rinse Chamber, Dry Chamber(Optional)
Cleaning principle: Ultrasonic + bubbling + overflow
Cleaning chamber dimensions: 675 mm (L)×705 mm (W) ×300 mm (H)



Model: D1000
Fully Automatic wave pallet, reflow filters cleaning machine.
Process: Cleaning, rinsing and hot air dry in single chamber
Cleaning Area dimensions:



Model: AST-C300
Fully Automatic Semicon Wafer cleaning Machine
8-12 Inch single wafer dry-in/dry-out clean platform for particle/(in)organic/flux cleaning in advance package process



Model No: CPC-600
High Cleanliness system;
High pressure -Two Fluid-Centrifugal dry;
Application: Wafer, CMOS, Holder, Holder+IR,LCD, VCM
Process: Cleaning dust particle



Model No: SCM-600
Application: Cleaning SMT Squeegee
Cleaning Process: Applied ultrasonic and high pressure spray cleaning and rinse, Hot air knife drying

GAM 320/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.



GAM320

GAM320AT In Line

GAM 320AT In-Line Automatic PCB Separator

Features

- In-line automatic PCB separator can load, cut, and unload 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 tool 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	GAM320	GAM320AT 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	Autotool 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

SMT Equipment



SMD Chip Counter



Stencil Hole Cleaner



Solder Paste Height Checker



Solder Paste Mixer



Reflow Checker



V-Cut PCB Separator

BOARD HANDLING & AUTOMATION SYSTEMS

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

We supplies 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



High Viscosity
Spray Valve

Component Pre Forming & PCB Separator Machines

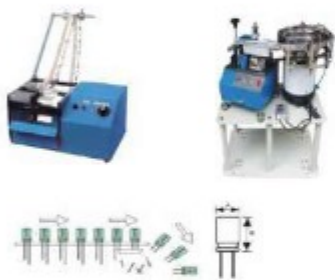
Main products:

- 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



Hand Cleaner & Accessories



Dust Cleaner & Accessories



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



Thermal Shock Chamber



Salt Spray Corrosion Test Chamber



Temperature Humidity Test Chamber



Rain Test Chamber



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



X-Ray Inspection System



BGA Rework System



Solder Dross Recovery System



Fume Extractor



ESD PCB Magazine Rack



ESD Magnifying Lamp

Consumables



Routing Bits



Soldering Bits



SMT Nozzles



Magnetic Ring



Spring Balancer

Some Proud Associations



OUR GALLERY





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