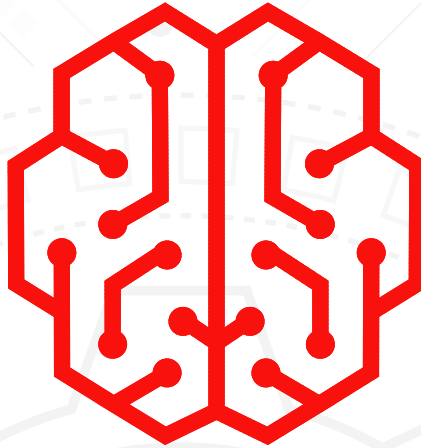




SMT

S O L I D

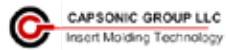
PROVEEDORES 

Innovation and precision
in every detail.

SMT SOLUTIONS

www.solid-mfg.com

SATISFIED CUSTOMERS



Conveyors



Automatic turn conveyor or
Pcb rotator (the two rails
Merged into one)



Magazine+vacuum
Loader



Automatic single/dual
Ng buffer



Automatic standard
Unloader



Infeed conveyot for wave
Soldering machine



Unloading conveyor for
Wave soldering machine

Auto Splicing Machine



Standard CCD version
8mm (YC-525)



CCD & measurement version
8mm (YC-540)



General CCD version
8-16mm (ES-525)



General CCD & measurement
version 8-16mm (ES-540)

Fixtures



Pallet para
Soldadora de ola



Pallet
Para router



Fixtura
Para press fit



Automatic
Pcb support
Pins block

Routers



ROUTER 171RN



ROUTER 171LU

Magazine Rack



ESD magazine rack
SS-801



ESD magazine rack
SS-805



ESD magazine rack
SS-807



ESD magazine rack
SS-808

ESD Cart



ESD cart
SS-504



ESD trolley
SS-602



ESD trolley
SS-603A



ESD trolley
SS-604A



ESD trolley
SS-606



ESD trolley
SS-601

Inspection Equipments



SS-402



SS-402 PRO



SS-601



SS-602

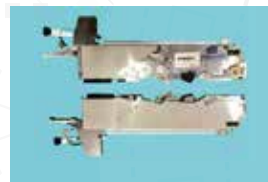
Feeders



Yamaha
YG 8mm



Yamaha
YG 12mm



Cm602 12mm 16mm



Cm602 NPM
8 mm con sensor



Fuji
W08C



Fuji
W16C



Fuji
W08C



Fuji
W16C



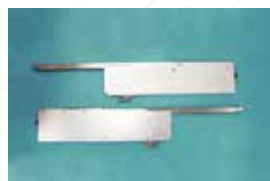
Fuji
W16C



Fuji
W56C



Fuji
JIG de cargado



Fuji
NXT JIG



Siemens
ASM 8mm



Siemens
ASM 16mm



Siemens
ASM



Siemens
ASM



Fuji NXT label feeders



Feeders for labels
JUKI



Panasonic Labels
CP602 CM 402 NPM DT401 CM101



Tags
SIEMENS



Tags
Yamaha YV (YS)

Placement Heads



NXT
H02F



NXT
H08M



NXT
H12HS

Spare Parts and Consumables



Detergent A60614



H5116A T&D Grease



High temperature
chain oil for chain



K3031M Grease



K3036A NSK Grease



K64431 NXT Grease



NXT Head Grease



NXT Red Lube

Clips and Tie Tape



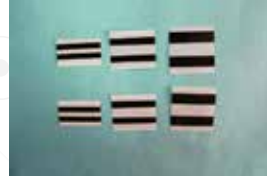
Carriage and tie clamps



Tie clips



Double splicing tape
8-44 mm



Splicing tape
8-16 mm



Metal splicing tape 8-32 mm

Nozzles



Panasonic
CM



Panasonic
NPM



Fuji
H24 0.3mm



Fuji
H24 de 2,5 mm



Fuji
Cabeza H12



Fuji
XP



Siemens
925 - 932 - 933 - 938 - 937



Siemens
913 - 904 - 915 - 917 - 918 - 914



Siemens
939 - 923 - 935 - 956 - 938



Siemens
919 - 932 - 933 - 934 - 918



Yamaha



Yamaha



Yamaha



Yamaha

Filters

Fuji - Juki - Panasonic - Yamaha



V12 H12 head filter



Juki filter



NPM CM402 Filter



Yamaha YG12 Filter

Reflow Ovens



Chain



Control table



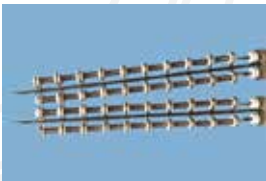
Converter



Filter



Gear



Heating cable



Engine



Engine

Spare Parts for Pasta Printers

High Performance Paper Rolls

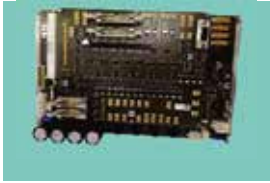
Manufacturing in all dimensions

- Material: 45% wood pulp, 55% polyester
- Weight: 689, 659, 60 g, 55 g, 50 g
- Available for any printing equipment: MPM, PANASONIC SPG, DEK, EKRA, JUKI, YAMAHA, FUJI (GPX), GKG, etc.



Spare parts

Siemens



Transport card 03087642



Transport card 03087642



Card 03115454-03



CP20 segment

Fuji



Camera
AA66W06



Aj92600 Harness



NXTIL control card



NXTII CPU Card



NXT module unit



NXT Security Door



NXTIII Monitor



Nozzle nest
Head

Panasonic



Cm402 X shaft motor
N51005279 AA



Cm402 Vacuum generator
N610026749AA



AXIS CM402 X Unit
KXFP6GE1A00



CM402CM602b
Valve N510063838AA

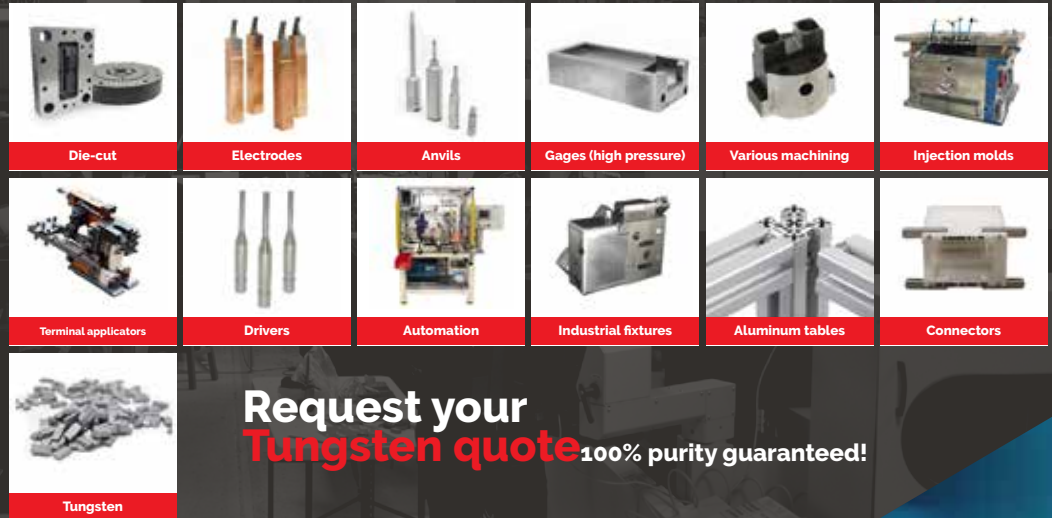


Cm602 PC board



Custom design In industrial parts

We are a manufacturing company of tools, injection molds and automation systems for the industrial sector.



Request your Tungsten quote 100% purity guaranteed!



Software development

Custom business software, with innovative solutions, a modern design and the best usability analysis.

Create business software solutions.

We create custom business software development solutions, with innovative solutions, a modern design and the best usability analysis, satisfying the needs and requirements of the client.



Traceability systems



Process automation



Communication Modbus



SCADA Systems



Software Consulting



Software Modernization



Reports and Statistics



Inventory control

JUKI

JUKI AMERICA, INC.
ELECTRONIC ASSEMBLY SYSTEMS

Full Line Solutions Provider



Software



Storage



Printing



Inspection



Placement



Insertion



Soldering



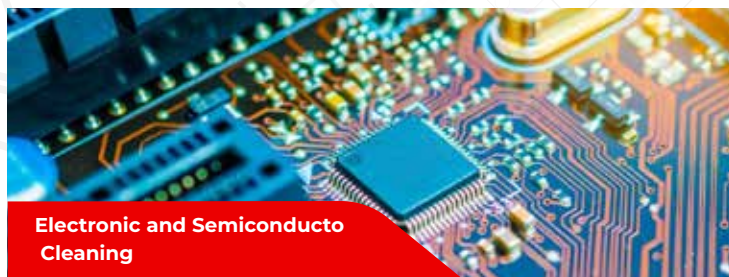
Handling



INVENTEC
PERFORMANCE CHEMICALS
INSPIRING INNOVATION

Solutions Ranges

Inventec brands: Topklean – Promosolv – Promoclean – Quicksolv
Brands of our partners: 3M Novec – Blue Gold – M-aero



**Electronic and Semiconducto
Cleaning**



**Rinsing and drying
fluids**



**Cleaning of Parts in Contact
with Oxygen**



**Additive manufacturing
solutions**



Degreasing



**Electronic and Semiconductor
Cleaning**



**Removal of oxides and
mineral residues**



**Removal of polishing residues
polymers and resins**

Synergie®

This Technology of Synergie Machine models 207NCM, 208NIM, 209NCM & 211NCM is mainly aimed at the suction nozzle of the mainstream SMT industry, which can clean, detect and trace the suction nozzle. The equipment adopts advanced optical detection technology and intelligent control software, which can detect the surface, inner hole and vacuum degree of different types of suction nozzles, and can read the two-dimensional code and connect with MES system to realize the whole process control of the nozzle in the circuit board mounting process.

Applicable models: Fuji NXT series, Universal, Panasonic, Siemens and other mainstream models

Object nozzle: FUJI H24/V12/H24G standard nozzle

Siemens 933/913 and other standard suction nozzle

Global 3420/3430 and other standard suction nozzle

Panasonic 110s/115s and other standard suction nozzle

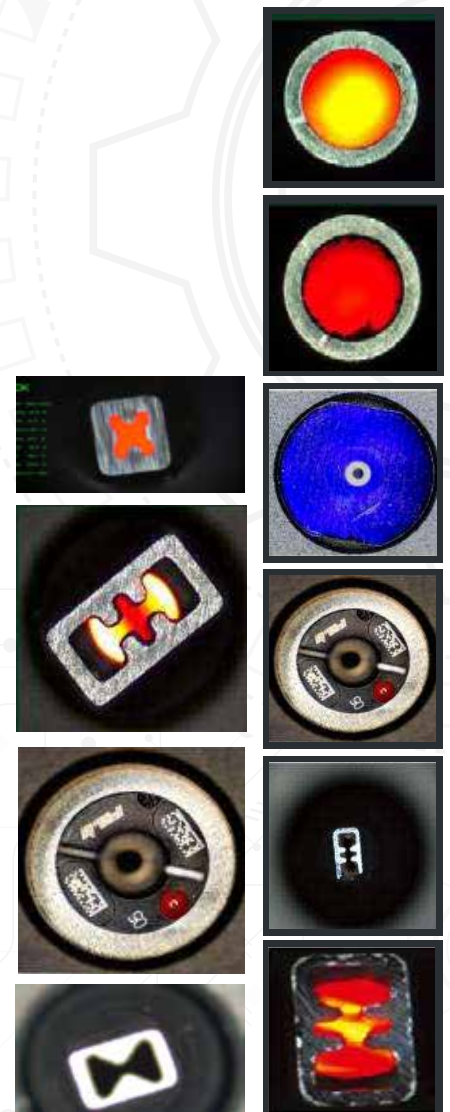
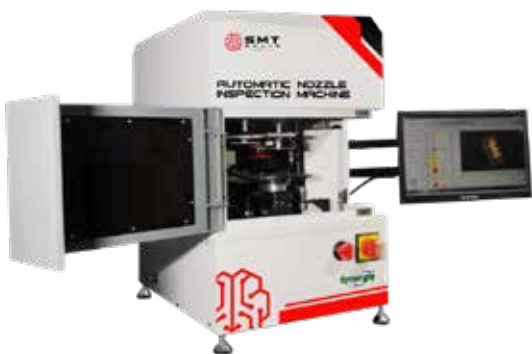
Dimensions: 600X500X700mm

Weight: 45kg

Nozzle plate installation number: 1

Single cycle: 24

Cleaning speed: programmable customization, the fastest 360 seconds/24





305SWM

The 305SWM intelligent steel mesh cleaning and inspection machine, is a single unit. It performs these functions optimally, maximizing efficiency without increasing the dimensions of the equipment, resulting in savings in both space and labor costs. This innovative stencil cleaning and inspection equipment directly addresses the current challenge in the industry by eliminating the need for manual reinspection after stencil cleaning. Thanks to a precise structural design, this machine intelligently integrates the functions of cleaning and stencil detection. A high-precision visual inspection camera scans and captures images on both the upper and lower surfaces of the steel mesh. Combined with intelligent software recognition technology, this innovative machine offers various applications such as rapid cleaning, efficient drying, intelligent identification, and MES record loading. It is anticipated to be a valuable addition to the SMT steel mesh cleaning industry, providing revolutionary applications.

Industrial CCD Camera: Option of 5 million/10 million pixels, industrial area scanning camera, CCD sensor.

Pixel Size: 16 μm , optional 13 μm .

Auto Focus: Adapts to different types of steel mesh and can adjust focus independently through software.

Water Tank Capacity: 60 L.

Steel Mesh Tension Detection: High-precision sensor automatically detects points for detection.

Measurement Accuracy: 2 N.

High-Pressure Cleaning Head: 2 pieces.

Cleaning Mode Selection: Cleaning, detection.

Cleaning Speed: Programmable.

Water and Oil Separator: Compressed air water and oil separator (recommended to replace once a year).

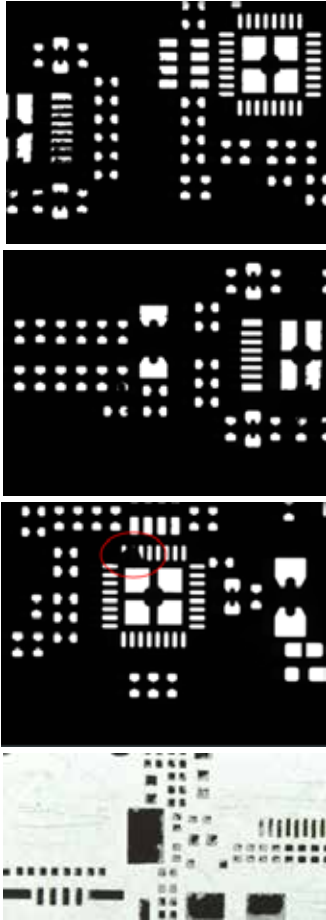
Filter Element: 0.005 mm food-grade PP cotton filter element (recommended to change once a week).

Air Supply: 0.6 Mpa.

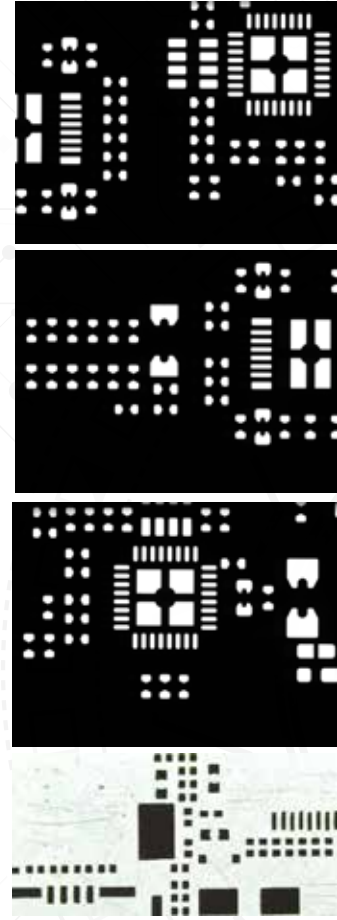
Voltage: AC220V.

CLEANING EFFECT

BEFORE CLEANING



AFTER CLEANING



TEST RESULTS

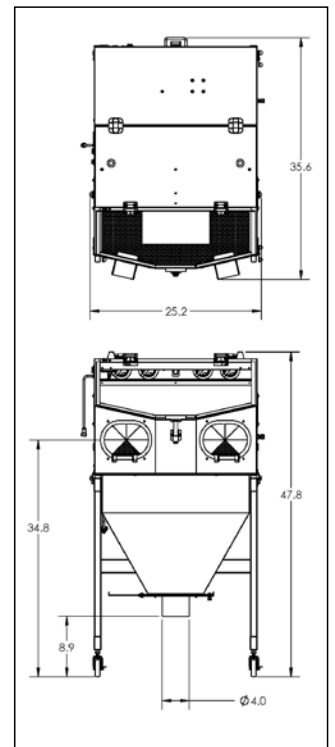
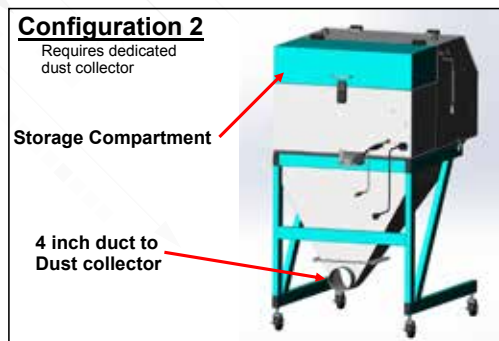
Comparison of results before and after cleaning



CONFORMAL COATING REMOVAL EQUIPMENT CCR-WC-LV1

The **NEW Work Center** is a modular design. Call Crystal Mark, Inc. their staff will help you to configure this **NEW Work Center** to meet your needs.

- Ergonomic arm supports are standard in the work center.
- You can use it as a standalone with built-in dust control or connect it to a central dust collector.
- It has a large 24" x 20" enclosed work area with a bolt-on microscope mount.
- The unit is easy to clean without any mess.
- Customers have options for an additional ESD control package.
- The Work Center works with all SWAM Model blasters.
- Glove/Sleeve kits are optional.
- It can be built into an existing table or cabinet when connected to a central dust collector.
- Mobile base with locking casters.



ESAMBER



Ref Low Process Performance Analyser

- USB Data Download
- More realistic
- Accurate Quantification of test data



Almighty Wave Performance Tester

- Process Optimization
- Reduction of Defect Rates
- Precise calculation of tin plating time



Vertical Oven Profiler

- Small space occupation
- Reduced heat absorption
- Rechargeable batteries
- Reduce battery loss



On-line intelligent Monitoring System for reflow

- The guarantee of quality
- Optimization of production
- 7 days 24 hours automonitoring



Temperature Profiler

- More 6/8/10/12/16/20/24/32
- Fast
- USB 2.0 Port provides faster data loadin speed
- Good Intelligent data protectionm no error & missing, data lost-proof in case of power-off or misoperation
- Save Energy-save desing, standby can be as long as 280 days



System Selective Wave

- Wave Temperature
- Wave Height
- Flux Spraying Accuracy
- Repeat Accuracy



PCB/PCBA Shorts Detector

- Zero defect
- Unmanned
- High intelligence



Vacuum Vapor Phase Soldering Temperature Profiler

- Profile simulation
- SPC Analysis Statistics
- Profile Merging
- Comparative Analysis

ATTEN

SOLDERING & DESOLDERING EQUIPMENTS



GT Series Soldering Station

- Big TFT color screen
- Using integrated soldering tips
- Auto standby and sleep function
- Password-protected function

Features:

- Compatible with various types of soldering tools, support replacing handles and tweezers between 50W to 150W
- Using integrated soldering tips, rapid heating.
- Pluggable heater design, easy to replace.
- Silicone buttons operate comfortable.
- Auto standby and sleep function, conserves energy and protect equipment.
- Password-protected function to preserve settings.
- Built-in RS485 communication interface, support computer control.



Rapid temp recovery



Preset temp



ESD safe



Auto sleep



Password function



Auto standby



°C/°F available



Fault display



Auto-identify



Software control

ATTEN

SOLDERING & DESOLDERING EQUIPMENTS



ZT-660-150G

Auto-Feed Soldering Station

- Automatic tin dispensing system
- Temperature range 80-500°C
- The tin feeding speed and length can be set
- Adjustable amount of solder return to reduce waste of solder

MS-900

4 in 1 intelligent rework station

- Soldering station
- Hot air station
- Desoldering station
- Electronic tweezer



ST-7500/ST-7800

Preheating platform

- Three sets of quick parameter designs for quick temperature switching
- Temperature locking
- Equipped with an external K-Type sensor interface

Integrated Heater

Fast Thermal conductivity, Long Lifespan





Inline automation.

Technical overview.

- Repeatability: 0.007 mm.
- Maximum speed: 1400mm/s.
- All-in-one integration; preheating, dispensing, 2D AOI and curing oven.
- Linear motors enables a fast, precise and reliable process.
- Marble frame availability for the most demanding projects, speed up to 1800 mm/s.

Common dispensing applications.

- Underfill.
- Adhesives.
- Conformal Coating.
- TIM.
- Edgebonding.



Benchtop automation.

Technical overview.

- Repeatability: 0.007 mm.
 - Maximum speed: 1000mm/s.
 - 3, 4 and 5 axis models available.
- Vision system and laser enables easy programming and product location and 2D AOI.
- Integrated scale and nozzle cleaner reduces downtime.
- Linear motors ensure stability and precision will be met at every dispensing.
- MES reporting capability.

Common dispensing applications.

- Underfill.
- Adhesives.
- Primer.
- TIM.



Spray valves.

Technical overview.

- Wide spray (up to 8 cm).
- Micro spray (down to 2mm).
- Low pressure spray valve for selective dispensing.
- Dispensing of conformal coatings, adhesives, flux and more.
- Suitable for fluids from 1 to 7,000 cp.

Commonly dispensed fluids

- Conformal coating.
- Primer.
- Adhesives.



Piezoelectric jetting valve.

Technical overview.

- Dispensing repeatability of +/- 2%.
- Dispensing resolution of 1 nanoliter.
- Up to 1000 dots per second.
- Minimum bead width of 0.2mm
- Suitable for fluid from 1 to 2,000,000 cP.

Commonly dispensed fluids

- Underfill.
- Grease.
- Wax.
- Conformal coating.
- Hotmelts.
- Adhesives.

FSTW



Progressive cavity volumetric valve.

Technical overview.

- Dispensing repeatability of +/- 1%.
- Minimum bead width of 0.25mm.
- 2 heating zones enable fluid viscosity control.
- Suitable for fluids from 1 to 500,000 cp.

Commonly dispensed fluids

- Underfill.
- Grease.
- Hotmelts.
- Adhesives.
- TIM.
- Pottings.



2k component volumetric valve.

Technical overview.

- Dispensing repeatability of +/- 1%.
- Minimum bead width of 0.2mm.
- Dispensed fluid resolution of 1 nanoliter.
- Suitable for fluids from 1 to 2,000,000 cp.
- Chiller available to stop the curing process, enabling savings on 2k mixing nozzles and downtime.

Commonly dispensed fluids

- 2 part components.

REFACCIONES PARA EQUIPOS HOT-MELT

FSTW

Un servicio más de FSTW para optimizar tu producción.

Optimiza tus procesos de aplicación de adhesivos con nuestros equipos especializados y compatibles con Nordson, Robatech y Graco. Estos equipos están diseñados para brindarte máxima eficiencia y un rendimiento superior en cada aplicación, garantizando resultados consistentes y de alta calidad.

En Solid MFG, entendemos las necesidades de la industria, por eso ofrecemos soluciones completas:



Mangueras de alta resistencia y durabilidad



Manifolds precisos para una distribución uniforme



Filtros inline que aseguran un flujo limpio y continuo

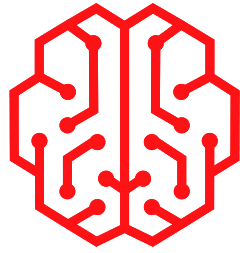


Módulos de fácil instalación y mantenimiento



Boquillas para aplicaciones precisas y sin desperdicio

Nuestros productos están diseñados para integrar tecnología avanzada con facilidad de uso, ayudándote a ahorrar tiempo y costos operativos mientras maximizas la productividad de tus líneas de producción.



SMT

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