

ANDA COATING & DISPENSING MACHINES

ANDA



INTRODUCTION



InterElectronic Hungary Ltd. offers equipments, machines and different materials (ESD) of different production technologies (SMT/THT/LED). Including high quality, special request fulfilling soldering machines, devices, tools, instruments and materials for the electronic industry and services.

SERVICES

Our each and every product has a warranty granted by the InterElectronic Hungary Ltd. For more complex appliances our company offers a well-needed training for set up and usage. We grant the repair of all of the products traded by our company during and after the warranty period. As well as we guarantee the continuous supply of accessories and instruments.

DEMONSTRATON

In case if any of our products aroused your interest the InterElectronic Hungary Ltd. would be glad to visit your company and hold a presentation of the product of your interest. As far as possible we serve you by bringing demo devices with us. In the most cases of our products we are proud possessors of references nation-wide. Major machines also could be observed at our partners' site.

PRICE LIST

Most of the prices of our products can be requested on our website and will be sent via email to you. In case of special and more complex machines the prices are given after consultation individually through a price offer. If you are interested in more information or user manuals of our products we recommend you to visit our website (www.interelectronic.com), which is updated continuously with professional information. We also recommend you to visit our office, where you can purchase any of the needed devices and spare parts of the product of your interest.

ORDER/SHIPPING

Our soon to be partners are welcomed to be helped via telephone, fax or e-mail. We use different ways of delivery, depending on the preference of our partner. We can deliver your purchased product by ourselves, by freight or courier service. The way of delivery might be negotiated previously. We offer you cash on delivery nation-wide!

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ICoat-X3 Coating Machine

INTERMEDIATE MODEL



X3 is designed to strike a balance between cost and performance. Machine come with a single head 2 nozzles structure (spray and dispense) with 3 servo motors driven axis movement (X, Y, Z) as standard.

Optionally, X3 can also be equipped with either “Dual nozzle simultaneous coating with 35°tilt” , or “FOUR directions 35°tilt for the right side nozzle”.

These features enhanced X3 performance with the lowest cost of ownership.

Fully Automatic Selective Coating Machine

ANDA is the Number 1 conformal coating specialist in China that supply various models of coating machines with international standards to suit your product coating needs. Automatic conformal coating is the preferred choice for many of our clients, simply because of the added convenience and accuracy to the production process. As ANDA is well recognized in the industry and professionally certified, your business is guaranteed high quality service when you have ANDA powering your coating needs.

Standard Features

- General machine come with 2 nozzle (DJ-01 and SA-W5)
- PC with LCD monitors, keyboard and mouse (Height adjustable)
- Auto dipping and purging waste collection system
- LED UV lamps for inspection
- PCB clamping system
- 10 L material tank
- UPS and voltage stabilizer
- ESD grounding point
- CE Certified

Optional Features

- Heavy duty conveyor
- Dual Lane conveyor system
- 2 stage conveyor
- CCD vision camera
- 4 direction 35° tilt
- 2 nozzles simultaneous coating+tilt
- Material level detection
- Pallet return conveyor (Underneath)
- Barcode or 2D code scanning system
- Material tank: 5 L

I-Coat-X3 Coating Machine Specifications

Dimension (LxWxH) & Weight	
In-line	900 x 1300 x 1630 mm
Weight	800 kg
Motion	
Head structure	single head 2 nozzles structure
No. of Axis	3 axis: X, Y, Z
Drive	close loop servo motor
X, Y Travelling Speed	min: 1 mm/s, max: 800 mm/s
Recommended Working Speed	5-200 mm/s
Positioning accuracy	40 µm
Tilt Angle (Option)	35° (Fixed)
Work Area (based on 1 nozzle on right side)	
Coating Area	L= 460 mm, W= 460 mm
Z axis movement	100 mm
Nozzle Types	
DJ-01	Firing pin dispensing nozzle, Line width: 1-3 mm (Standard)
SA-W5	Coneshape spray nozzle, spray width: 4-10 mm (Standard)
LA-W30	Fan shape spray nozzle, width ranges: 10-30 mm (Option)
Conveyor System	
Conveyor Type	Single stage/ Pin chain type
Board Clearance	Top=100mm, Bottom=100 mm
PCB Edge Clearance	5 mm (Pallet)/ 3 mm (PCB)
Conveyor Height	900 ±20 mm
Conveyor Speed	Up to 750mm/min
Flow Direction	L->R (Optional: R->L)
Width Adjustment	50~460 mm (motorized)
Comm. Port	Standard SMEMA
Facilities requirements	
Power	AC220-240 V, 50-60 Hz
Total power	2.6 KW
Exhaust Flow Rate	15 m ³ /h
Compress Air Requirement	0.5 Mpa, 100 L/min

ICoat-X5 Coating Machine

ADVANCE MODEL



Two head configurations are available.

- A) Single head, 3 nozzles structure with 4 axis movement (X, Y, Z, U rotation) + 35° tilt is the most flexible work cell to cater for the most demanding coating application.
- B) Twin heads, 4 nozzles structure with 3 axis movement (X, Y, Z) + 35° tilt to double the output with 2 PCBs simultaneously coated for achieving maximum productivity.

Fully Automatic Selective Coating Machine

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Standard Features

- General machine comes with 2 nozzles (DJ-01 and SA-W5)
- PC with LCD monitors, keyboard and mouse (Height Adjustable)
- Auto dipping and purging waste collection system
- LED UV lamps for inspection
- PCB clamping system
- 10L material tank
- UPS and voltage stabilizer
- ESD grounding Point
- CE Certified

Optional Features

- Optional Features
- Heavy duty conveyor
- Dual Lane conveyor system
- 2 stage conveyor
- CCD vision camera
- Material level detection
- Pallet return conveyor (Underneath)
- Barcode or 2D code scanning system
- Material tank : 5L

ICoat-X5 Coating Machine Specifications

Dimension (LxWxH) & Weight		
In-line	900 x 1300 x 1630 mm	
Weight	880 kg	
Head Configuration	A: For Flexibility	B: For Productivity
Head structure	Single (Rotatable)	Twin (Not rotatable)
Distance between head	N/A	70~205 mm adjustable
2 PCB Simultaneous Coating	No	Yes
No. of Axis	4 axis: X,Y,Z and U (rotation)+tilt	3 axis: X,Y,Z+tilt
Maximum No. of Nozzle	3	4
Drive	C5 module close loop servo motor	
X,Y Travelling Speed	min: 1 mm/s, max: 800 mm/s	
Recommended Working Speed	5-200 mm/s	
Positioning Accuracy	40 μ m	
Rotating Angle	$\pm 180^\circ$	N/A
Tilt Angle	35° (Fixed)	
Work Area (based on 1 nozzle on right side)		
Coating Area	L= 460 mm, W= 460 mm	
Z axis movement	100 mm	
Nozzle Types		
DJ-01	Firing pin dispensing nozzle, Line width: 1-3 mm (Standard)	
SA-W5	Coneshape spray nozzle, spray width: 4-10 mm (Standard)	
LA-W30	Fan shape spray nozzle, width ranges: 10-30 mm (Option)	
Conveyor System		
Conveyor Type	Single stage/ Pin chain type	
Board Clearance	Top=100mm, Bottom=100 mm	
PCB Edge Clearance	5 mm (Pallet)/ 3 mm (PCB)	
Conveyor Height	900 \pm 20 mm	
Conveyor Speed	Up to 750mm/min	
Flow Direction	L->R (Optional: R->L)	
Width Adjustment	50~460 mm (motorized)	
Comm. Port	Standard SMEMA	
Facilities requirements		
Power	AC220-240 V, 50-60 Hz	
Total power	2.6 KW	
Exhaust Flow Rate	15 m ³ /h	
Compress Air Requirement	0.5 Mpa, 100 L/min	

Curing Ovens

IR CURING OVEN - BY INFRARED



- iCure-2 (2 zones)
- iCure-3 (3 zones)
- iCure-4 (4 zones)
- iCure-5 (5 zones)

Options available:

- Pallet Return Conveyor
- IR Heaters for Pallet Return Conveyor

UV CURING OVEN - BY ULTRAVOILET



- iCure-2UV (Std. 2 top MPMA UV lamp)

Option available:

- Pallet return conveyor

High Speed Dispenser

HD-18 MULTIFUNCTION HIGH SPEED DISPENSER



SD-600 SMART DISPENSER



TDS-350S TABLE TOP DISPENSER



Every high-speed dispenser can provide various dispensing patterns. For example, single dots can be set to different sizes, based on what is required. The speed can also be adjusted – different speeds will create different line thickness. The flying pattern also ensures that there is fixed volume dispensed so as to minimize wastage, based on the length of dispensing that is adjusted according to the dispensing speed.

FEATURES & BENEFITS:

- Convenience – With non-contact injection technology, the hassle of moving the z-axis up and down is eliminated.
- Auto Regulating – Designed with automatic temperature control, which ensures consistent material flow.
- Accuracy – CCD vision correction ensures greater precision in the end-result.
- Customisation – Available selection of various types of dispensing valves to suit your business needs.
- Seamless Process – Productivity levels will be enhanced, without any disruptions from PCB warpage
- Quality Assurance – Your business can be assured of a high quality solution for your production needs.

These high-speed fluid dispensers are very effective for the following applications:

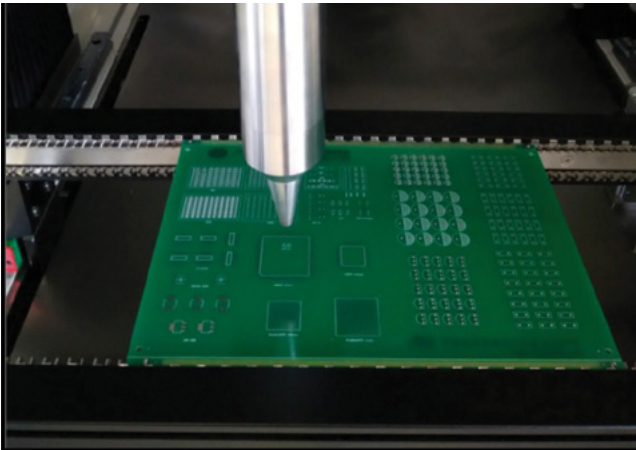
- Underfill
- BGA Edge Bonding
- SMT Glue Dotting
- SMT Solder Paste Dispensing
- LED Packaging
- FPC Packaging

SP-1

Plasma Cleaning Machine

APPLICATION:

Mobile phone, computer, digital printing and packaging, plastic, glass, automotive, electronic, medical, and surface activation treatment.



FUNCTIONAL CAPABILITIES:

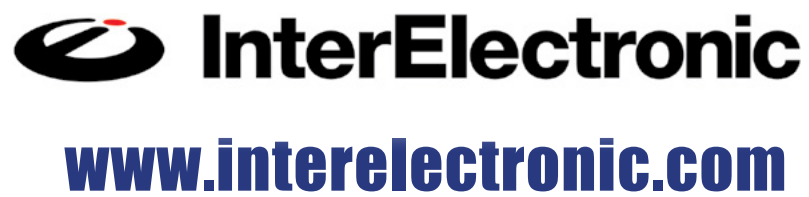
- Plasma activation: Material surfaces are molecularly improved for better adhesion prior to coating improving the reliability and durability of surface bonding.
- Cleaning: Removes contaminants such as dirt, oil, and other impurities.
- Coating: Nano-coating of surfaces with virtually any material capable of being sprayed.

STANDARD FEATURES:

- Touch screen computer control, fault and light alarm and menu display
- Stepper motor + Synchronous belt drive
- Equipped with a rotary type gun or lance tip
- Online rail transport system which can be connected with the front and rear equipment
- Online programming

SP-1 Plasma Cleaning Machine Specifications

Monolithic Frame LxWxH(in)	42x31.5x68in (1070x800x1730mm)
Computer Control	Touch Screen
Transport Track	Stainless Steel Chain + Conveyor
Step Motor Transport	20m/min
X Driver	Servo Motor + Ball Screw
Maximum Speed	1000mm/sec
Operating Accuracy	±0.1mm
Repeat Position Accuracy	±0.2mm
Effective Travel	X=350mm Y=450mm
Spray Gun	1 sets (rotary/tip)
Processing Power	1000W
Single Processing Width	55mm (Rotary) 10mm (Tip)
Effective Height	3~15mm
Processing Speed	20~200m/min
Flame Length	20mm (Rotary) 15mm (Tip)
Input air pressure alarm	Menu + sound and light alarm
Port Scanner	232
Communication Interface	SMEMA
Programming Mode	Online Programming
Input Voltage	220V 50~60HZ
Air Pressure	4kg/cm ² (Compressed Air or Nitrogen)
Total Power	3.5kw
Total Weight	500kg
Safety Standards	CE



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