

I.C.T Online Dispensing Machine

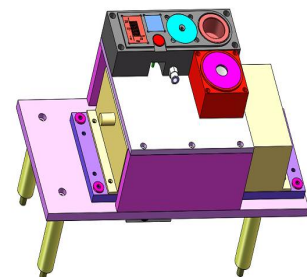
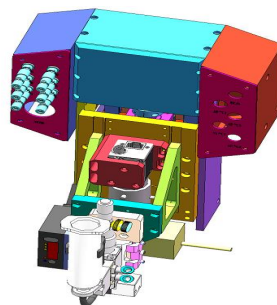
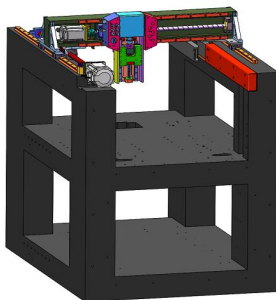


Introduction:

The I.C.T dispensing system has significant strength in cost performance. Being reliable, durable, and concisely designed, it can be applied to PCB and base materials of different specifications. The UFD operating software ensures the stability and reliability of the system. The system is designed for chip sealing, PCB assembly, SMT red glue dispensing, led lens, and medical products. With adjustable track width, it can be applied to more products. We have established wide support and service network to provide complete process solution for the development, manufacturing and product innovation of the customers.



- High cost performance;
- Non-contact jet valve to realize smaller dispensing diameter and wider application area;
- Jet valve can improve the reliability and uniformity of dispensing, and improve the output and material utilization rate;
- Minimum width of excessive glue can be controlled in 0.2mm (related to the configuration and glue);
- Chip edge identification is much more accurate than mark-point identification;
- ID identification, automatic program calling, fool-proofing and data statistics function helps to realize smart manufacturing.



Platform System

Integral frame, marble platform supporting moving parts, moving parts using imported accessories, to ensure high accuracy and stability of equipment operation.

Dispensing System

Needle dispensing and spray valve dispensing can be selected. Spray valve dispensing can be fixed and rotary. CCD camera, laser altimeter and glue sensor can be selected.

Calibration System

Calibration Platform Standards: 0.1mg Electronic Scale, Scale, Ceramic Plate, Mechanical Height Detection, Vacuum Cleaning, Gluing Cup

Features:

1. Core part--jet valve:

- Non-contact jet dispensing;
- High speed; max jet speed: 20spots/second, 3-7 times higher than the traditional dispensing;
- High accuracy; min dispensing volume can be 5nl, with consistency the traditional dispensing method;
- Highly flexible; non-contact to avoid the interference between needle and workplace; extremely small dispensing volume;
- Low maintenance cost and long service life;
- Advanced mechanical design makes routine cleaning and maintenance easy; most advanced nanometer wear-resistant material;
- Own independent intellectual property rights;
- Thermostatic system for flow channel and sprayer to ensure the uniformity in glue temperature;
- The uniformity in glue temperature.

2. Enhance the capacity:

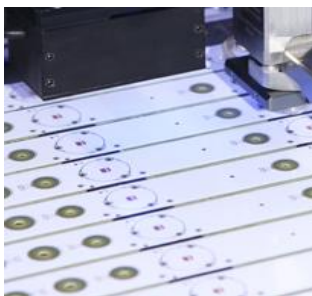
- Non-contact jet dispensing to eliminates the time for Z-axis motion;
- Non-contact jet speed: 20spots/second;
- Integrated temperature control technology to reduce the manual intervention;
- Automatic glue compensation, and reduced artificial regulation time;
- Dual-track design to cut down waiting time;
- Automatic visual location identification and compensation;
- Non-contact height detection with laser to reduce the height detection time.

3. Flexibility:

- Capable of handling substrates or backings of a variety of sizes in order to adapt to requirements of a variety of customers;
- Heating module optional;
- Dual-track in independent control, software is easy to operate;
- Enable to realize fast switching between different product-line;
- Universal platform used for different processes with different glues.

Industry:

- Underfill
- Led lens
- Pin encapsulation
- Conformal coating
- Edge/corner bonding
- Surface mounted package
- Package on package (POP)
- Dam & fill
- Red glue dispensing
- FPC reinforcement



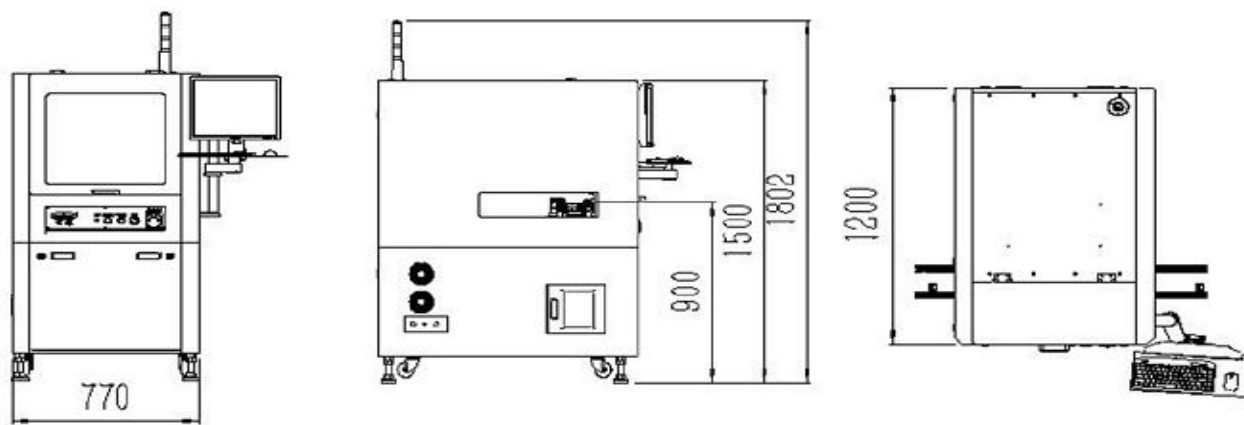
Configuration:

Parts	Brand	Place of origin
X-axis servomotor	Panasonic	Japan
Y-axis servomotor	Panasonic	Japan
Z-axis servomotor	Panasonic	Japan
CCD	MINTRON	Taiwan
I/O Board	I.C.T	China
Ball screw	KURODA,THK	Japan
Guide rail	PMI/Hiwin	Taiwan
Coupling	NBK	Japan
Sensor	Takex	Japan
Tank Chain	IGUS	Germany
Flexible cable	IGUS	Germany
Bearing	NSK	Japan

Specification:

Model	I.C.T-D400	I.C.T-D600(LENS)	I.C.T-D1200(LENS)
Photo			
Dispensing Range	X400*Y400*Z60mm	X600*Y600*Z60mm	X1200*Y350*Z60mm
Product Weight	Max.4.5kg		
Product Thickness	Max.6mm		
Max. Speed	400mm/s		
Vision Methodology	CCD		
Cleaning System	Auto		
Injection Valve Speed	20spots/sec		
Acceleration	1g		
Weighing Accuracy	0.1mg		
Dispensing Accuracy	±0.02mm		
Repeated Accuracy	±0.01mm		
Product Changeover	<10Mins		
Transport Height	900±20mm		
Transport Direction	Left-Right; Right-Left; Left-Left; Right-Right		
Power Supply	1PH AC 220V 50/60Hz (Option: 110V to 230V)		
Weight	650Kg	850Kg	1150Kg
Dimension	L770*W1200*H1500mm	L1065*W1505*H1500mm	L1690*W1200*H1500mm

Dimensions:



* I.C.T keeps working on quality and performance, specifications and appearance may be updated without particular notice.

YouTube Video Link:

Dispensing Machine D600: <https://youtu.be/fewYXiyMIYU>

Dispensing Machine D1200: <https://youtu.be/ieQThsJzwlw>

Thanks for choosing I.C.T.
I.C.T looks forward to win-win cooperation.
Thank you!