

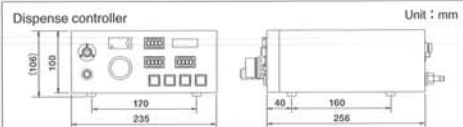
Specifications

Dispense Head

Name	CyberJet2 head
Model	MJET-C-2-HU○△□*
Driving system	electromagnetic
Supply air pressure	0.5MPa or less
Connecting syringes	all size (5 to 70ml) applicable
Applicable fluids	Flux, Moisture proof insulant fluid,UV resin etc. Pipe type (1L,2L,3L): 15 to 32G Pipe type (1L,2L,3L): 15 to 28G Teflon coated
Use nozzle	Integral structure (SHN): 28 to 36G
Temperature control system	Holder equipped with heating temperature control

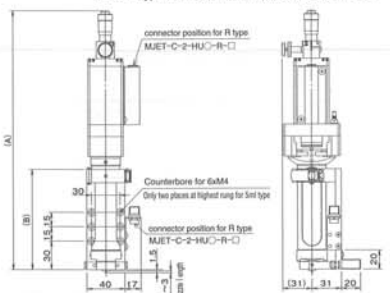
* ○ : 5, 10, 20, 30, 50, 70(select syringe size)
△ : L, R(select connector position)
□ : I, III, V(select actuator)

External dimensions

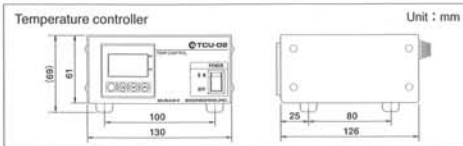


Syringe size	A	B	Weight	○	□
5ml	222	65	600g	5	I
10, 20ml	247	80	680g	10, 20	I
30ml	272	105	700g	30	III
50ml	303	135	730g	50	V
70ml	366	200	780g	70	V

*As for L type, connector will be positioned on the left.



*External dimensions shown above is for R type



Safety precaution
Make sure to read the instruction manual before you use the unit, for your safety.

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SOYINKI. Soy ink is used to print this material.

CAT. No. SD30412-JE05



Non contact for low viscosity fluids jet dispenser

CyberJet[®] 2

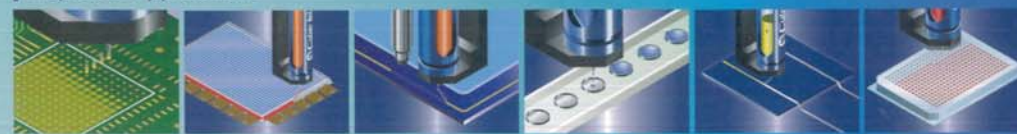
Newly developed. Jetting micro amount of low viscosity fluids without scatter.

Redesigned *CyberJet[®] 2*, now it is available



Example of desktop robot system

Dispense Applications



Flux dispensing on PCB Resin dispensing to liquid crystal FPC terminal part A seal dispensing on LCD board Fill solution on a button battery Flux dispensing to photovoltaic cell Non-contact dispensing to microwell plate

CyberJet[®] 2 Newly developed.

Jetting micro amount of low viscosity fluids without scatter.

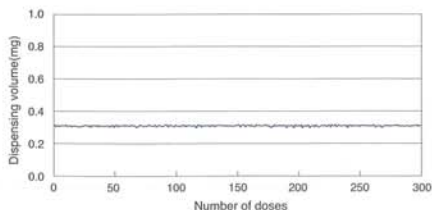
For "Minimum amount" and "Non-contact" dispensing.
CyberJet has been renewed to meet your needs for genuine quality.

- Feature ①** Achieved micro amount dispensing of **0.03mg**. **Minimum in class.**
- Feature ②** Achieved high-speed dispensing takt time of **133shot/sec.** **Fastest in class**
- Feature ③** Highly precise non contact JET dispensing of low viscosity fluids.

Striking differences compared to airpuls system dispensers!!

- **Liquid drip-free!**
Since the liquid flow path closes automatically after dispensing, low viscosity liquid materials can be dispensed without dripping.
- **No need for gap management!**
Since the gap between work and nozzle does not influence dispensing amount, gap management is unnecessary.
- **High takt time attained!**
Because of our non-contact dispensing technology, there is no need to raise or lower the nozzle, realizing high-takt dispensing.

Dispensing accuracy by CyberJet[®] 2



Fluid : silicone oil temperature control : 35°C
Viscosity : 50mPa·s Dispensing precision : 0.31mg±3.4%



Dispense Head

Actuator

Adapter

Syringe holder

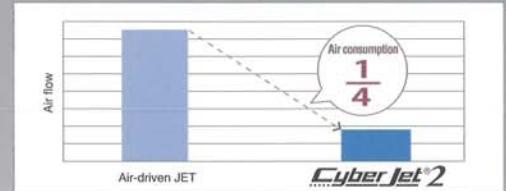
Holder

Nozzle heating function preinstalled

Nozzle

Easy and accurate rod stroke adjustment. **Cyber Jet 2 New Feature**
Rod stroke adjustment for adjusting dispense amount can be adjusted visually and accurately by micrometer scale.

Adopts Electromagnetic valve system to reduce air consumption.

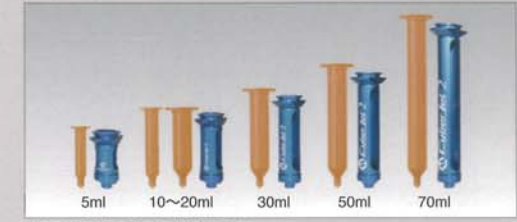


Ultra-silent dispensing made possible by original actuator structure.

Actuator can be selected from 3 types according to liquid material or use. **Cyber Jet 2 New Feature**

- Type I** Standard type for wide range of application
- Type III** For relatively low-viscosity fluids
- Type V** For low-viscosity fluids (1to 100mPa.s) such as reagent and ink

Syringe holder can be selected from 5 types.



*The syringe shown above is UV block syringe.

Dispense controller

Switching between dispensing mode of "Line dispensing" and "Dot dispensing" made simple by one touch of a button.

LINE dispense mode

Line formed with continuous high-speed micro amount dispensing.

DOT dispense mode

Dot dispensing at arbitrary intervals made possible by trigger signal.



TCU-02 Dedicated temperature controller for nozzle heating.