HTV-PN02/HTV-SC05
Dispensing Valve

H.O.T

Pneumatic Injection Valve:



Working Principle:

Compressed air enters the cylinder controlled by the solenoid valve. Cooperating with the spring inside the cylinder, the plunger strikes the fluid at the nozzle at high speed to eject the fluid.

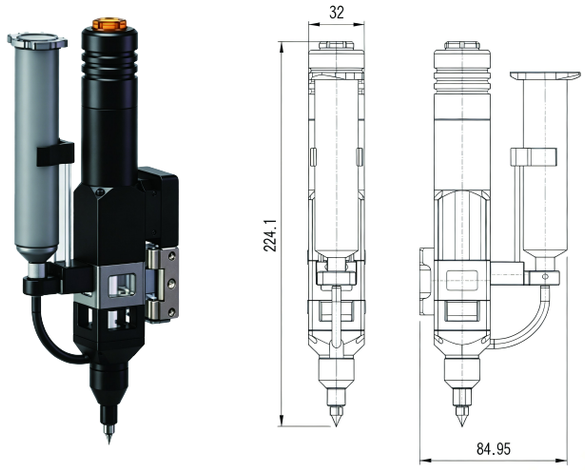
Accessories:

Hundreds of optional nozzles and plungers are available for matching, compatible with various dispensing processes on the market.

Feature:

- Non-contact dispensing. Avoiding risks of Z-axis scratching nozzles or work-pieces.
- High dispensing control accuracy: ±3%.
- Ultra-micro dispensing volume: 3nL per dot.
- Applicable Fluid Viscosity: 0~1000000 cps.
- Fixed preload structure ensures consistent pre-tightening force among multiple valves.
- Screw locking structure prevents loosening and ensures valve stability.
- Modular design for easy disassembly and assembly of micro-adjustment components.
- Max jet frequency: 250 times/sec; Average jet frequency: 180 times/sec.
- Better efficiency and stability for dispensing processes with large glue volume and wide glue lines.

Quick-Release Metal Screw Valve:



Specifications:

Applicable Fluid Types:	Thermal gel, silicone, red glue, silicone adhesive, sealant, other medium & high viscosity adhesives.
Rotor Material:	Tungsten steel
Stator Material:	Tungsten steel
Fluid Seal Ring Material:	FFKM
Applicable Needle Specifications:	Double spiral structured needles, custom needles

Feature:

- Rotor and stator are made of tungsten steel to reduce abrasion. Matched with the air proportional valve of the controller, it effectively prevents fluid leakage and over-dispensing.
- Suitable for fluids containing high-concentration particles.
- Suitable for medium and high viscosity fluids.
- Repeat Accuracy: 3%

Hotwin Technology Co.,Ltd

Website: www.hotwintech.com E-mail: sales@hotwintech.com Tel: +86 755-2919 8013