

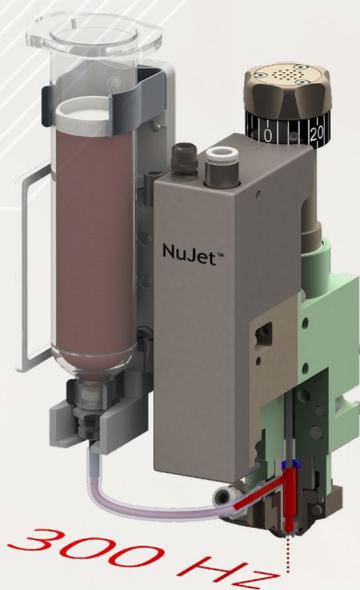
NuJet™

Compact, Fast, Flexible

NuJet eliminates use of a needle and incorporates a contact jetting technique to displace the dispense material. Controlling the piston with a pneumatic actuator and closed-loop software achieves a high degree of accuracy and repeatability for consistent process results.

NuJet is the latest jetting technology to be released by Camalot. Following in the footsteps of the high speed NanoShot pump, NuJet is positioned more towards medium/high throughput applications with lower dispense volumes. The pumps slim line design and low mass allows for more optimum use when considering multi head dispensing, the pumps can be pitched down to 28mm apart.

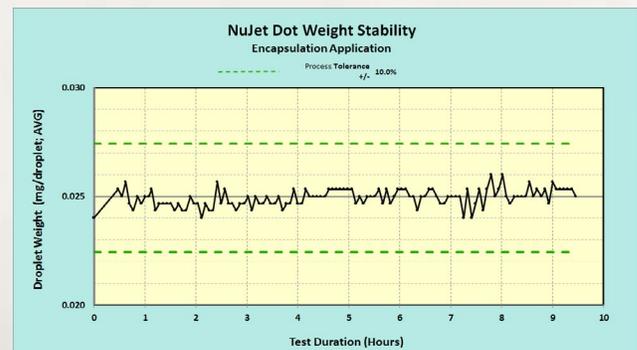
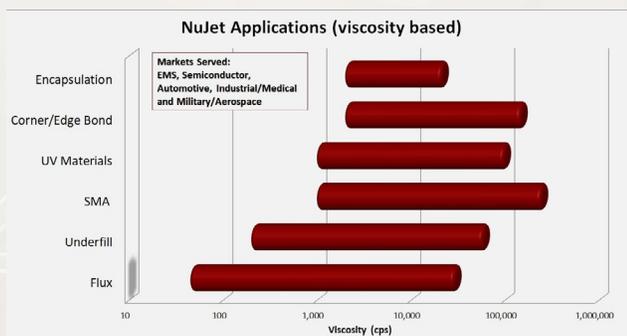
NuJet incorporates a state-of-the-art pneumatic actuator that generates an operating frequency of up to 300 Hz, packaged with the Prodigy platform this combination provides one of the fastest dispense systems on the market.



Features

- Speeds up to 300 Hz
- Auto-tune for closed-loop calibration
- Setup time reduced by 20%
- Dot sizes < 300 microns
- Extended maintenance frequency

Durability, ease of use and low cost of ownership were key design drivers for NuJet. Wetted parts are manufactured to resist abrasion from fillers contained in underfill and materials. Maintenance is simple, quick and setup is automated through proprietary software controls, minimizing reliance on the operator and ensuring the highest levels of productivity.



Typical UF materials used in the trials



Q: Is NuJet a 3rd party pump?

A: No, NuJet was fully designed and developed by Camalot.

Q: What makes NuJet different?

A: It's arguably the fastest and most compact pneumatic jet pump on the market.

Q: Does NuJet incorporate closed loop control for the dispense amount?

A: Yes, the pump calibrates to the target shot size during setup and in production through an automated routine using the on-board weight scale system.

Q: What are the benefits of NuJet?

A: Small, compact, lower number of parts to be cleaned and reduced maintenance/running costs.

Q: How easy is it to clean?

A: Extremely easy, three removable parts breakdown for cleaning with an ultrasonic bath.

Q: What materials can be dispensed?

A: A wide variety of materials including Underfill, Adhesives, UV, and SMA.

Q: What platforms is NuJet available on?

A: NuJet is only available on the Prodigy dispensing system and field upgradeable for existing Prodigy customers.

Call your local representative for further details.

NUJET SPECIFICATIONS

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Frequency	Up to 300Hz
Drive motor type	Pneumatic
Piston stroke	Manual adjust
Piston material	Carbide
Material air supply	0 - 60 PSI
Viscosity range	> 150cps - 400,000cps
Nozzle material	Ceramic or Carbide
Nozzle diameter	75 to 400 microns
Nozzle heat	Up to 70°C
Syringe size	5cc - 55cc
Syringe size (optional)	6oz or 12oz direct mount
Material low level sensor	Included
Minimum pitch (DDH)	28 mm
Syringe Cooler	Compatible