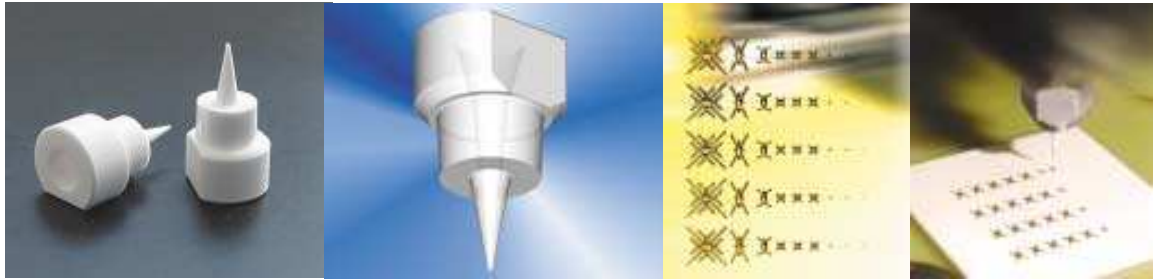


**MDN : MICRO DISPENSING NOZZLE**



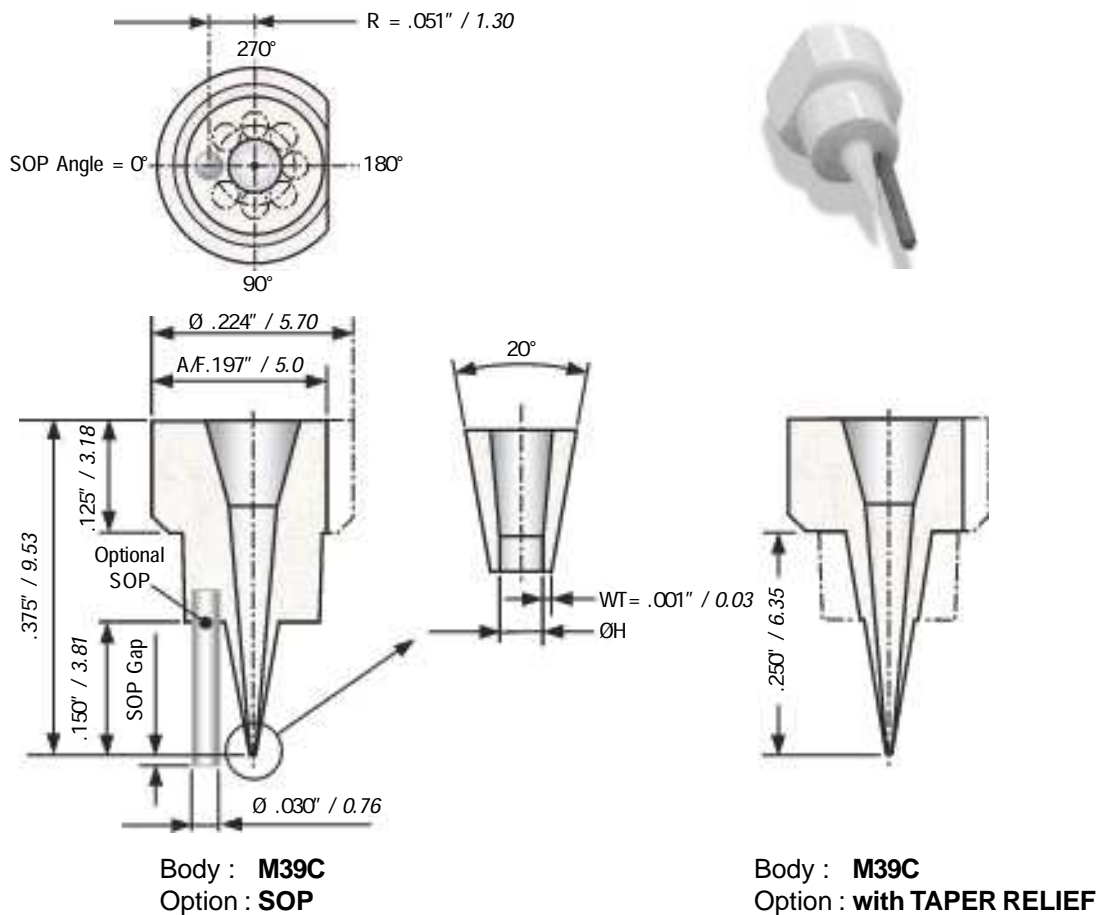
Gold filled adhesive patterns courtesy of Datacon

In the realm of micro-dispensing application, the challenge takes place on methods to achieve small volumes or dots of 200 microns (8mils) and below with high repeatability. Among the methods that have been developed, the ideal approach at present would still be dispensing nozzle using auger screw or piston pumps. As for the nozzle, micro-dispensing requires small orifice with tighter tolerance. Smooth internal finishing is also an important factor to enhance fluid flow.

Small Precision Tools (SPT) positioned itself in meeting the challenge by introducing ceramic dispensing nozzles. Utilizing the ceramic injection molding technology, the nozzles are fully molded as opposed to inserted rolled tubing and stainless steel machining.

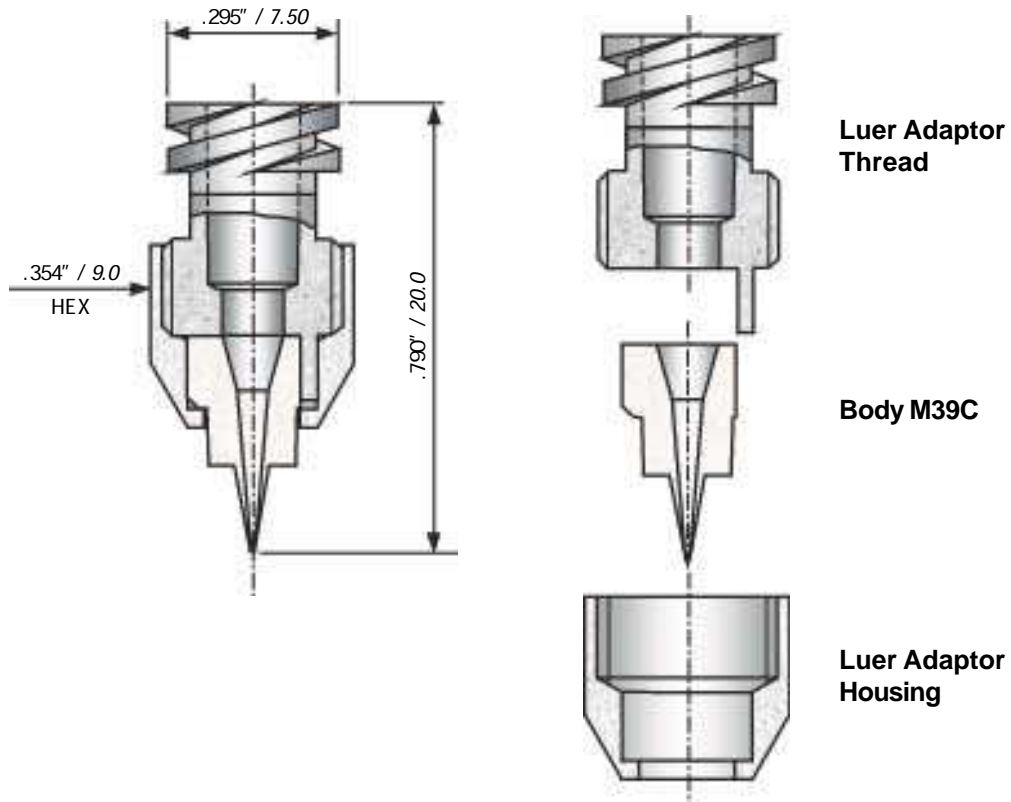
The following are the advantages:

- Micro-dots dispensing: Beyond machined stainless steel needle capability with extremely small orifice.
- Higher MTBA: Internal taper design with slicker finishing for less frequent clogging.



The Micro Dispenser can be advantageously used together with a Luer Adaptor for those dispensing equipment that use Luer attachment. The housing nut secures the ceramic MDN tool against the adaptor while keeping proper orientation of the stand-off pin (SOP) option.

The Luer Adaptor can also host a CDN-M39S metal nozzle.



How To Order : MDN				
	Tool Style	Body	Mat'l	Ø H
(Option)	(SOP - Angle - Gap)			
EXAMPLE :	MDN - M39C - C			.003"
	MDN - M39C - C			.006"
	MDN - M39C - C			.004"
	SOP - 180 DG - .002"			
	MDN - M39C - C			.008"
	with Taper Relief			

Available Hole Size	
Inner Ø H inch / mm	Gauge Size Equivalent
.008 / 0.20	G27
.007 / 0.18	G28
.006 / 0.15	G30
.005 / 0.13	G31
.004 / 0.10	G32
.003 / 0.08	G33
.002 / 0.05	G34

How To Order : Luer Adaptor			
	Tool Style	Body	Item
EXAMPLE :	LDN	M39	Luer Adaptor

*For other sizes, please consult our technical support personnel at our nearest office.*