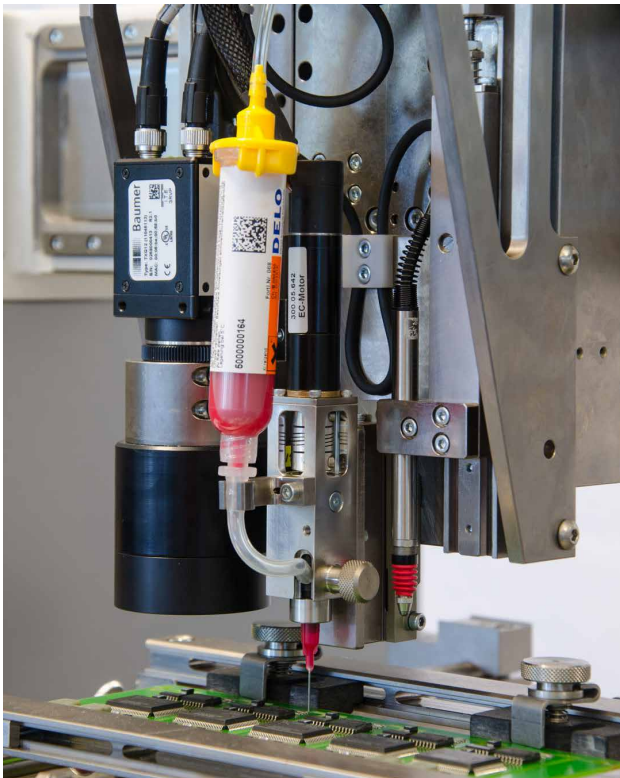


MICROSCREW

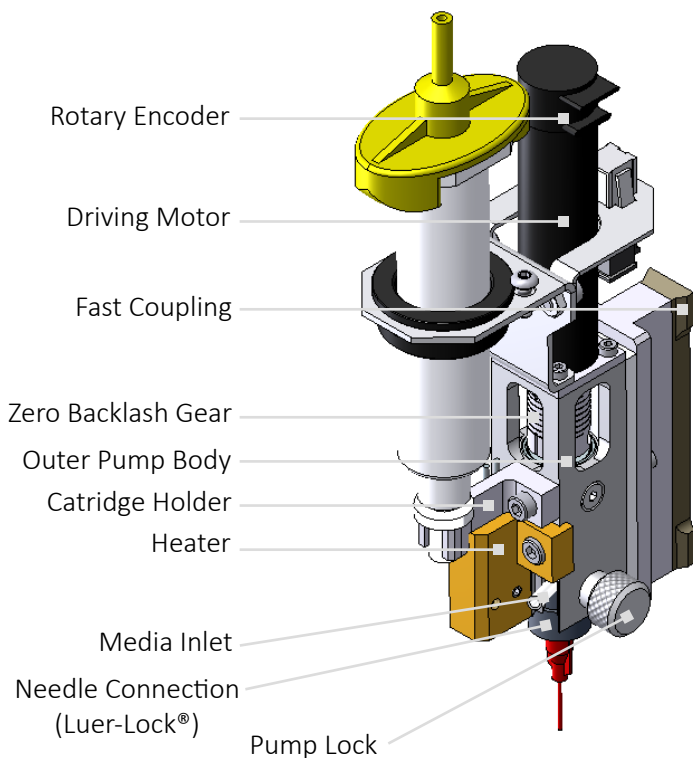


The volumetric based dispenser uses a micro precision lead screw to displace high viscose media with filler particles, i.e. solder paste through the dispense needle. It is specifically designed for dispensing micro volumes of material in precise, repeatable patterns.

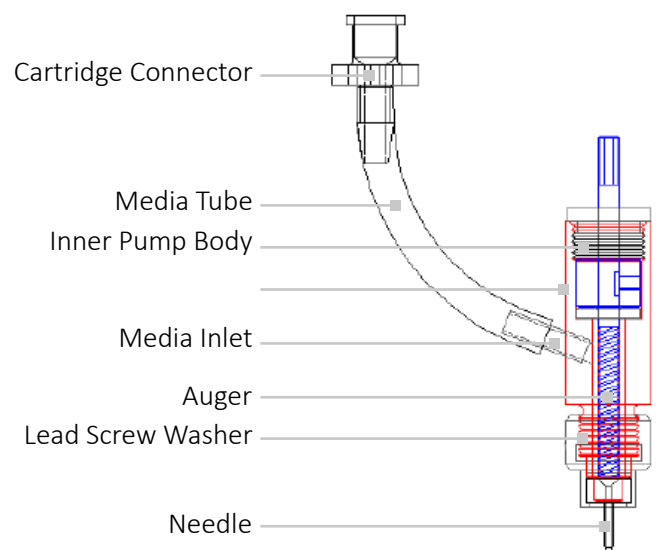
The precision micro screw dispense unit with rotary drive is mounted with a quick-change system directly on the Z-axis. With the integrated zero-backlash gear the dispense unit can be positioned with high accuracy which allows precise and repeatable dispense results.

Article Number 300.09.117+ 300.09.118

Setup



DL-Pump (Wetted parts)



Technical Specifications

General Specifications

Cartridge Pressure	0 ... 5 bar
Supported Cartridge Size	3 cc, 5 cc, 10 cc, 30 cc
Rotational Speed	0.01 ... 2`000 deg/s

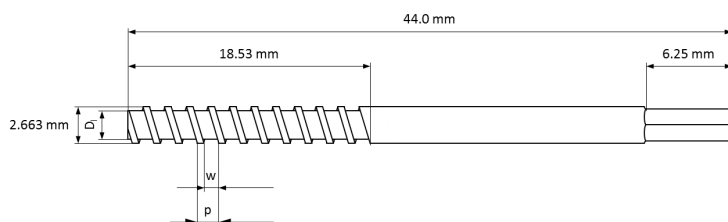
Parameters for Line Patterns

Line Speed (applicable for line pattern)	0.01 ... 250 mm/s
Start Delay	0 ... 10`000 ms
Stop Delay	0 ... 10`000 ms

Parameters for Dot Patterns

Angle (Rotation Angle per Dot)	0.01 ... 50`000 deg
Angle Speed	0.01 ... 2`000 deg/s
Tear-Off Angle (Negative Rotation)	0.01 ... 50`000 deg
Delay Before	0 ... 10`000 ms
Delay After	0 ... 10`000 ms

Available Screws



Art.Nbr.	Description	Inner Diameter (D _i)	Slope (p)	Recess Depth (w)	Volume per turn ¹⁾ [mm ³]
112.04.013	Standard	2.080	1.580	0.950	0.254
112.04.017	Shallow	2.343	1.580	0.950	0.076
112.04.018	High Volume	1.800	1.580	0.960	0.562
112.04.086	For filled media	2.067	1.580	0.965	0.269