



Application Bulletin 3613

Ultra-Accurate Dispensing with the AV-1 valve

The RP & Axis Series are available with our programmable auger screw valve. Unlike lesser gear motor designs, the valve speed and characteristics are controlled by the vector velocity of the robot. This means more consistent material deposits and greater overall performance.

The optional Granite Base upgrade provides a large and ultra-stable surface (12" x 24") machine bed for easy mounting of fixtures, nests etc. The dispense pattern may be defined with a DXF, PLT or G Code file or recorded with the advanced Jog & Teach function.



The RP-1215 Robot With 2" Thick Granite Base

	Name	Low Spd	High Spd	Accel	Z Feed%	Depth	Depth/Pass	Passes	Laser Pwr	Dwell	Pause	A/F Out
1	2 Part Hysol	1	1.5	100	100	0	1	0	100	0	0	1
2	LARGE DOT	1	1	2.00	100	0	1.000	0	100	0	0	1
3	Tool #3	0.25	0.75	5.00	100	0.080	0.020	4	100	0	0	3
4	Tool #4	0.25	0.60	5.00	100	0.001	1.000	1	100	0	0	2
5	Tool #5	0.25	1.00	5.00	100	0.001	1.000	1	100	0	0	4
6	Tool #6	1.00	8.00	5.00	100	0.001	1.000	1	75	0	0	1
7	Tool #7	0.25	1.00	5.00	100	0.001	1.000	1	100	0	0	1
8	Tool #8	0.25	1.00	5.00	100	0.000	1.000	0	100	0	0	1
9	Tool #9	0.25	1.00	5.00	100	0.000	1.000	0	100	0	0	1
10	Tool #10	0.25	1.00	5.00	100	0.000	1.000	0	100	0	0	1
11	Tool #11	0.25	1.00	5.00	100	0.014	1.000	1	100	0	0	2
12	Tool #12	3.00	10.00	5.00	100	1.000	1.000	1	100	0	0	2
13	Tool #13	0.25	2.00	8.00	100	0.000	1.000	0	50	0	0	1
14	Tool #14	0.25	1.00	5.00	100	0.250	1.000	1	100	0	0	1
15	Tool #15	0.25	1.00	5.00	100	0.250	1.000	1	100	0	0	1
16	Tool #16	0.25	1.00	5.00	100	0.250	1.000	1	100	0	0	1

Download to Machine | Upload from Machine | Open Tool File | Save Tool File | Exit

“Can’t be any Simpler”

Instead of programming, the tool file controls all machine parameters including speed, Z level, timers etc. This means multiple dispense heads may be used, each with its own properties!

In addition to the above, the system may be set to operate in 3-D mode to follow virtually any type of geometry.