



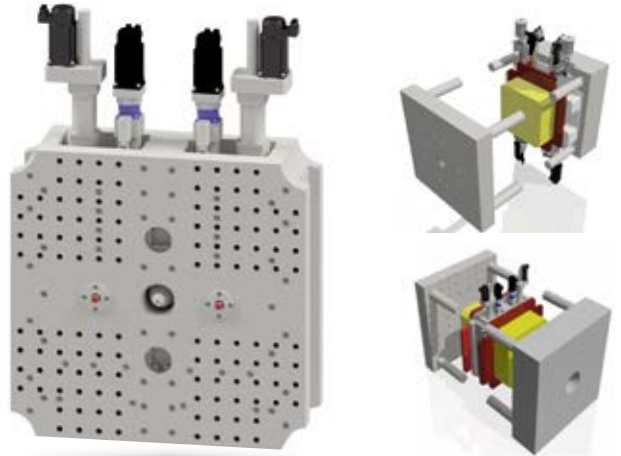
## INJECTION UNITS SHOT POT SERIES

Plasdan offers the most comprehensive range of add-on equipment in the world. We are unquestionably the technological leader. With the aim of strengthening our leadership, Plasdan has launched the patented E-plate (injection units inserted into plates) for easy handling, space saving and reducing distances that materials have to travel to the injection point. Highly demanding industries such as medical, electronics and packaging require an extremely accurate and repeatable injection process. Plasdan developed the new line of fully electric injection units, capable of injecting below 1 cm<sup>3</sup>. We can offer these injection units as stand-alone devices or integrated into a completely automated production line.



### PATENTED E-PLATE INJECTION UNITS (EP)

Injection points can be planned anywhere on tool.  
"Total Freedom for tool design."

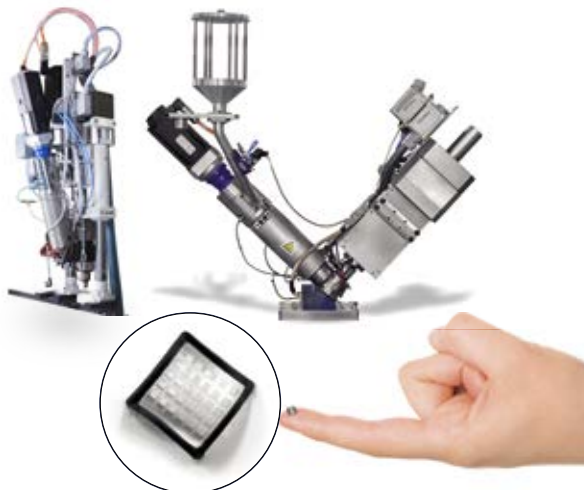


#### E-PLATES ARE A PATENTED PLASDAN PRODUCT OF:

- Compact design.
- Micro shot weight with excellent accuracy.
- Multiple units on same plate.
- Permits integration into sliding tables..
- On stacked tools it can be applied on the centre block to great advantage.
- 3 or more K products are possible on normal IMMs.

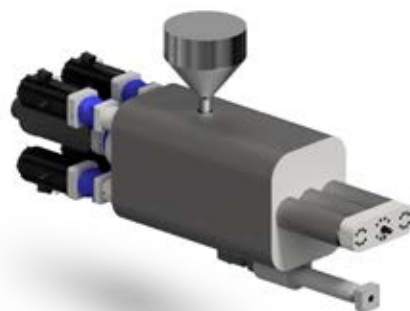
### E-MICRO Injection Units

Plasdan's new line of fully electric injection units, capable of injecting below 1 cm<sup>3</sup> with high tolerance and repeatability.



### E-MACRO Injection Units

Shot pots are an especially appropriate design for injecting very large quantities (up to 5kg) when there are space constraints.





## MICRO INJECTION UNITS

Inj. Unit	Units	EP.0004			EP.0023			EP.0064		
Screw Ø	mm	14			16			20		
	in	0,55			0,63			0,79		
Piston Ø	mm	4,5	5	5,5	8	10	12	14	16	18
	in	0,18	0,20	0,22	0,31	0,39	0,47	0,55	0,63	0,71
Swept Volume	cc	1,1	2,0	2,9	7,0	11,8	18,1	21,6	32,2	45,8
	Fl.oz	0,04	0,07	0,10	0,24	0,40	0,61	0,73	1,09	1,55
Max. Inj. Pres. *1	bar	2000	2000	1650	2200	2000	1500	2200	2000	1600
	psi	29008	29008	23931	31908	29008	21756	31908	29008	23206
Piston stroke	mm	70	100	120	140	150	160	140	160	180
	in	2,76	3,94	4,72	5,51	5,91	6,30	5,51	6,30	7,09
Screw Torque	Nm	26,44			37,90			69,25		
Max. Inj. speed	mm/s	450			450			350		
	in/s	17,72			17,72			13,78		
Max. Inj. rate *2	cc/s	7,2	8,8	10,7	22,6	35,3	50,9	53,9	70,4	89,1
	Fl.oz/s	0,24	0,30	0,36	0,76	1,19	1,72	1,82	2,38	3,01
Screw speed	RPM	450			450			450		

## INJECTION UNITS

Inj. Unit	Units	EP.0234			EP.0493			EP.948		
Screw Ø	mm	30			40			50		
	in	1,18			1,57			1,97		
Piston Ø	mm	20	25	28	28	32	36	38	42	48
	in	0,79	0,98	1,1	1,1	1,26	1,42	1,5	1,65	1,89
Swept Volume	cc	78	122	153	197	257	325	420	513	670
	Fl.oz	2,64	4,13	5,17	6,66	8,69	10,99	14,19	17,33	22,64
Max. Inj. Pres. *1	bar	2000	1920	1525	2000	1920	1500	2000	1850	1420
	psi	29008	27847	22118	29008	27847	21756	29008	26832	20595
Piston stroke	mm	250			320			370		
	in	9,84			12,60			14,57		
Screw Torque	Nm	206			450			822		
Max. Inj. speed	mm/s	320			280			250		
	in/s	12,60			11,02			9,84		
Max. Inj. rate *2	cc/s	100	157	197	172	225	285	240	346	490
	Fl.oz/s	3,38	5,31	6,66	5,82	7,61	9,64	8,12	11,70	16,57
Screw speed	RPM	450			425			340		

## MACRO INJECTION UNITS

Macro Shot Inj. Units	Units	EP.1838			EP.2799	EP.5598	EP.3188	EP.6377	EP.3502	EP.7004
Screw Ø	mm	65			70	80	75	90	80	95
	in	2,56			2,76	3,15	2,95	3,54	3,15	3,74
Piston Ø	mm	50	55	60	60	2x60	65	2x65	70	2x70
	in	1,97	2,17	2,36	2,36	2x2,36	2,56	2x2,56	2,76	2x2,76
Nº of Pistons	#	1			1	2	1	2	1	2
Swept Volume	cc	844	1022	1216	1555	3110	2057	4115	2501	5003
	Fl.oz	28,55	34,54	41,11	52,58	105,17	69,57	139,13	84,59	169,17
Max. Inj. Pres. *1	bar	2000	1800	1510	1800		1550		1400	
	psi	29008	26107	21901	26107		22481		20305	
Piston stroke	mm	430			550		620		650	
	in	16,93			21,65		24,41		25,59	
Screw Torque	Nm	1670			2039	2924	2456	4018	2924	4650
Max. Inj. speed	mm/s	200			160		135		135	
	in/s	7,87			6,3		5,31		5,31	
Max. Inj. rate *2	cc/s	393	475	565	452	905	448	896	520	1039
	Fl.oz/s	13,28	16,07	19,12	15,30	30,59	15,15	30,3	17,57	35,14
Screw speed	RPM	260			244	212	226	188	212	179

\*1 - The maximum injection and packing pressure are not the cavity melt pressure but injection unit output. The maximum injection and packing pressure are the maximum value that can be set. The maximum injection and packing pressure might be limited depending on the moulding conditions.

\*2 - The maximum injection rate and maximum injection speed are theoretical values.

Note: all specifications are subject to change without notice.

Cofinanciado por:

