

# INJECTION UNITS

Plasdan offers a full range of full-electric, servo-driven, mould, platen or floor mounted mobile injection units which are highly accurate, have high shot-to-shot repeatability, are quiet and energy efficient. These add-on injection units are economical solutions to upgrade standard injection moulding machines, enabling these standard machines to inject multi-coloured or multi-component parts. Having their own high-powered PLC controller, the injection units are easily integrated with the moulding machine via the robot interface.

## INJECTION UNIT SPECIFICATIONS STANDARD UNIT

Injection Unit	Units	EL.0037			EL.0120			EL.0300			EL.0600			EL.1520		
Screw diameter	mm	16	18	20	22	25	30	30	35	40	40	45	50	55	60	65
Swept volume	cc	16.1	22.9	31.4	41.8	61.4	102.5	106.0	168.4	219.9	251.3	357.8	490.9	653	848	1078
Max. injection pressure	bar	2100	1650	1350	2200	2000	1600	2000	1800	1400	2130	1700	1400	2100	1800	1530
Screw stroke	mm	80	90	100	110	125	145	150	175	175	200	225	250	275	300	325
Screw torque	Nm	37.9	52.1	69.3	89.6	126.5	207.0	207.0	313.8	450.0	450.0	618.5	822.0	1063	1344	1669
Nozzle sealing force	kN	28.5	28.5	28.5	30.0	30.0	30.0	40.0	40.0	40.0	40.0	40.0	40.0	70	70	70
Max. nozzle retract stroke	mm	100	100	100	100	100	100	200	200	200	200	200	200	500	500	500
Max. injection speed	mm/sec	150	150	150	150	150	150	155	155	155	150	150	150	150	150	150
Max. injection rate	cc/sec	22.5	28.5	35.2	57.0	73.6	106.0	109.6	149.1	194.8	188.5	238.6	294.5	356	424	497
Screw speed range, standard drive	r.p.m.	320	320	320	300	300	300	300	300	300	300	300	300	255	255	255
Electrical supply	V	400/ 480	400/ 480	400/ 480	400/ 480	400/ 480	400/ 480	400/ 480	400/ 480	400/ 480	400/ 480	400/ 480	400/ 480	400/ 480	400/ 480	400/ 480
Maximum current	A	32	32	32	32	32	32	80	80	80	125	125	125	200	200	200



**Standard version**