

	50TD	100TD	200TD	300TD
	1 1/4" - 3 oz.	2" - 5 oz.	2" - 9 oz.	2 1/2" - 18 oz.

**Thermoplastic Material Capacity**

Plasticating rate, lbs/hr (see note 1)	100	130	232	330	330	437
Plasticating rate, oz/sec. (see note 1)	.444	.577	1.031	1.031	1.466	2.031
Material injected per shot, min. in., max.	5.7	9.4	16.5	16.5	33.15	54.8
Material injected per shot, max. oz. styrene	3	5	9	9	18	30
Material hopper capacity, lbs.	100	100	100	100	150	150

**Reciprocating Screw Injection Unit**

Maximum injection pressure, psi	20,000	21,125	21,125	21,125	20,480	20,480	20,056
Maximum injection rate, cu. in/sec.	6.5	10.05	10.05	13.85	14.3	19.15	19.6
Maximum injection stroke, in.	2.375	3	5.25	5.25	6.75	6.75	7.75
Maximum screw speed, rpm	250	170	182	182	167	167	127

(see options)

**Mold Clamping Mechanism**

Mold clamping force, tons (see note 2)	50	100	100	200	200	300	300
Hydraulic ejection force, tons				6.8	6.8	10.16	10.16
Mold clamping stroke, in.	8	11	11	20.5	20.5	24.5	24.5
Maximum mold thickness, in.	12	16	16	20	20	24	24
Minimum mold thickness, in.	5	5	5	5	5	6	6
Maximum mold size (horiz. x vert.) in.	9.75 x 16	13.75 x 21.5	13.75 x 21.5	16.75 x 27.5	16.75 x 27.5	20.75 x 34	20.75 x 34
Platen size (horiz. x vert.) in.	16 x 16	21.5 x 21.5	21.5 x 21.5	27.5 x 27.5	27.5 x 27.5	34 x 34	34 x 34
Space between tie bars, in.	10 x 10	14 x 14	14 x 14	17 x 17	17 x 17	21 x 21	21 x 21
Diameter of tie bars, in.	2	2.5	2.5	3.5	3.5	4.25	4.25
Maximum daylight opening, in.	20	27	27	40.5	40.5	48.5	48.5
Rated projected area, sq. in. (see note 3)	25	50	50	100	100	150	150
Ejection stroke (std.), in.		2.5	2.5	3	3	3	3

**Speed**

Min. dry cycle time-link end, sec.	1.5	1.58	1.58	2.44	2.44	3.00	3.00
Clamp closing speed, max., in/min.	865	1425	1425	1410	1410	1255	1255
Clamp opening speed, max., in/min.	1150	1818	1515	1870	1870	1550	1550

(Above times and speeds based on full stroke)

**General Specifications**

Machine system pressure, psi	2000	2000	2000	2000	2000	2000	2000
Screw drive motor, h.p.							
Machine drive motor, h.p.	15	25	25	25	30	40	40
Heater band power, max. kw with nozzle option	6.2	8.6	13.5	13.5	19.5	19.5	25.0
Oil reservoir capacity, gal.	50	90	90	108	108	190	190
Machine dimensions, (est.) Length	11'9"	15'6"	15'6"	14'8"	14'8"	25'6"	25'6"
Width	3'9"	3'9"	3'9"	4'5"	4'5"	5'	5'
Height	5'6"	6'2"	6'2"	6'5"	6'5"	6'6"	6'6"
Machine weight, lbs. (est.)	6000	9000	9200	17,000	17,500	27,000	28,000