



## ***Lumina***

*“Unquestionably the best Structural Foam Injection Molding Machine ever built.”*



**Shown:**  
Lumina 1000 Ton equipped with dual 6" extruders,  
dual 100 lb accumulators, long stroke "balanced"  
clamp and "Versafil" injection.

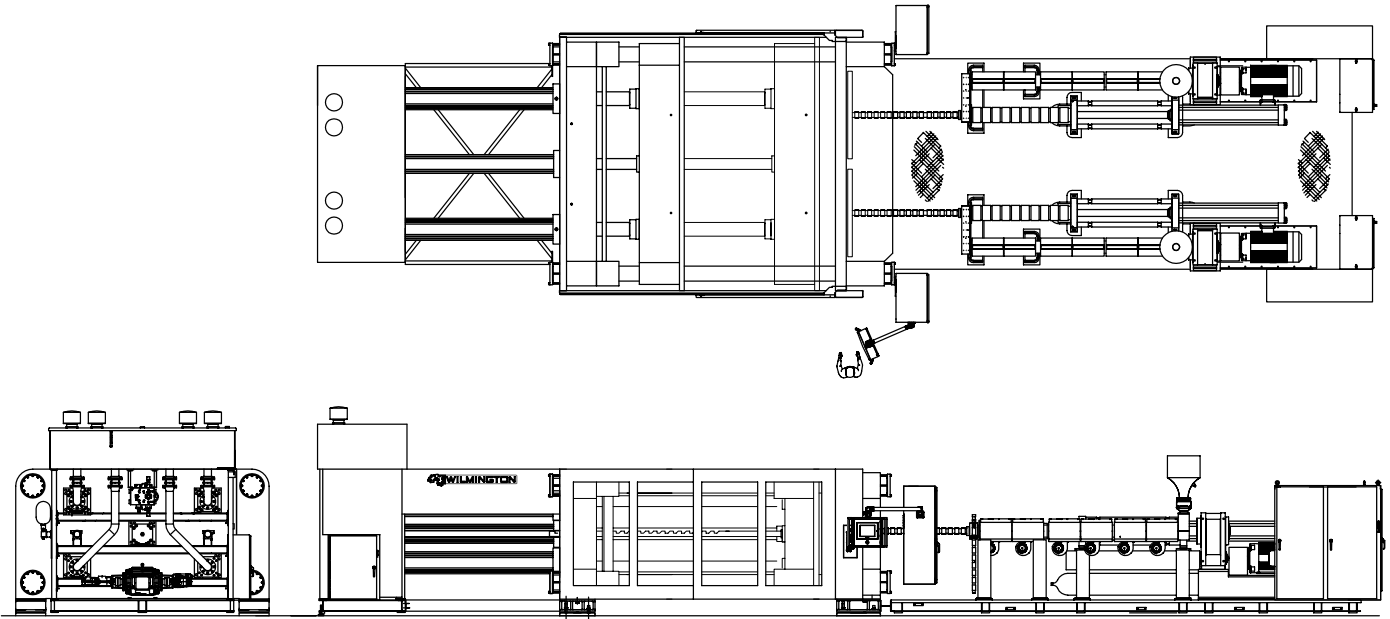
**SMART** IDEAS

**SMARTER** RESULTS

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# Lumina Specifications



LUMINA	1600h Elevated	2400h Elevated	3200h Elevated	LP500 Low Profile	LP500 WP Low Profile	L800 SP Low Profile	LP1000 SP Low Profile	LP1500 WP Low Profile	LP2000 WP Low Profile
Clamp Force (US Tons)	350	675	750	500	500	800	1000	1500	2000
Stripping Force (US Tons)	25	60	60	50	50	70	70	150	200
Platen Size – Standard VxH (in)	54 x 70	70 x 80	55.5 x 125.5	102 x 96	72 x 118	96 x 186	96 x 186	113 x 176	124 x 192
Tie Bar Clearance – VxH (in)	38 x 54	52 x 62	38 x 108	76 x 72	50 x 96	60 x 150	60 x 150	71 x 134	76 x 144
Tie Bar Diameter (in)	4	5.5	5.5	8	8	11	11	14	16
Stroke (in)	60	72	72	108	108	108	108	108	108
Fast Close Speed (in/min)	800	800	800	1000	1000	800	800	800	800
Daylight – Max (in)	72	84	84	120	120	120	120	120	120
Daylight – Min (in)	12	12	12	12	12	12	12	12	16
Platen Plate Thickness (in)	12.5	12.5	8	12.5	8	8	8	8	8
Moving Platen Mold Carry Capacity (lbs)	6,000	30,000	40,000	35,000	35,000	35,000	35,000	35,000	35,000
Extruder Diameter @ 30:1 Ratio (in)	3.5	4.5	4.5	6	6	6	6	6	6
Extruder Drive (Hp)	150 (150 rpm)	200	250	300	300	300	300	300	300
Plasticating Capacity (lbs/hr.)	800	1200	1500	1800	1800	1800	1800	1800	1800
Shot Size (lb   in <sup>3</sup> ) (HDPE)	25   800	50   1600	dual 25   1600	75   2400	dual 50   3200	dual 75   4800	dual 75   4800	dual 160   6000	Dual 75   4800
Injection Pressure – Max (psi)	6000	6000	6000	6000	6000	6000	6000	6000	6000
Nozzle Locations (Qty @ 6" x 6")	64	72	92	144	112	220	220	236	296
Nozzle Provisions – hyd & elec (Qty)	8	12	12	16	16	24	24	36	36
Nozzle Control Sequences (Qty)	8	12	12	16	16	24	24	36	36
Manifold Extensn Provisions – Elec (Qty)	4	6	8	12	16	20	20	24	32
Estimated length, (feet)	35	42.5	48	55	55	55	55	69	58
Estimated width, (feet)	8	7.5	10.5	12.5	14	17	17	16	18
Estimated height, (feet)	9	10	10.5	10.5	10	11.5	11.5	14	11.5
Estimated weight, (lbs x 1,000)	105	120	140	160	150	325	380	390	470
Est power consumption @ 100% (kW)	156	224	287	351	384	440	420	435	438

