

ROBOSHOT S2000 i 165B-m



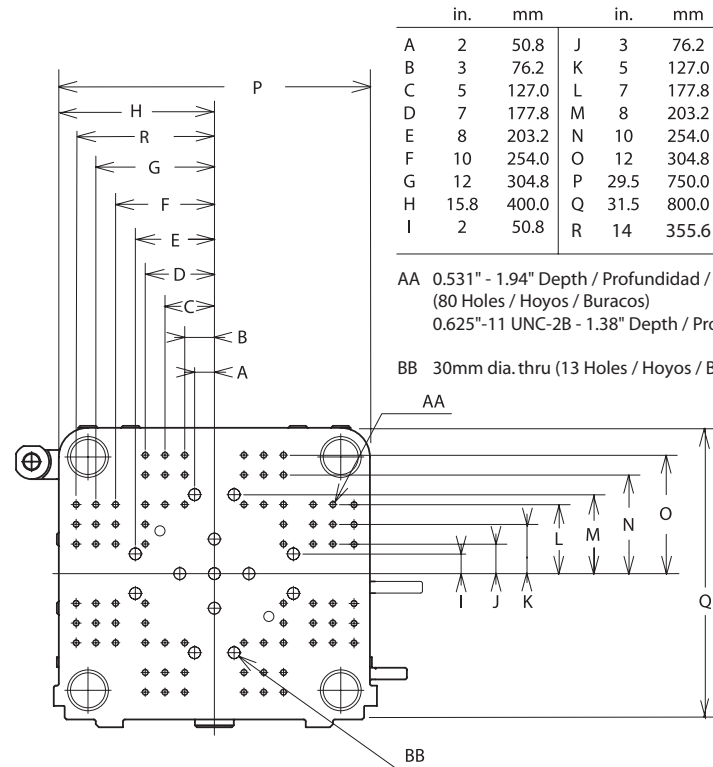
Injection Unit	ENGLISH						METRIC					
Injection Capacity, Maximum GPPS	ounces	0.95	1.68	1.95	3.42	4.87	Grams	27	48	55	97	138
Theoretical Displacement	in ³	1.7	3.1	3.6	6.3	8.9	Cm ³	29	50	58	103	147
Maximum Injection Pressure	Psi. *2)	37,710	37,710	34,809	31,908	27,557	Bar *2)	2,600	2,600	2,400	2,200	1,900
Maximum Pack Pressure	Psi. *2)	37,710	37,710	31,908	29,008	24,656	Bar *2)	2,600	2,600	2,200	2,000	1,700
Maximum Injection Velocity	in/sec *3)	12.99	12.99	12.99	12.99	12.99	Cm/Sec *3)	33	33	33	33	33
Maximum Injection Rate	in ³ /sec *3)	7.65	10.69	12.40	16.19	20.49	Cm ³ /Sec *3)	125	175	203	265	336
Screw Stroke	in	2.95	3.74	3.74	5.04	5.67	mm *2)	75	95	95	128	144
Screw Diameter	in	0.87	1.02	1.10	1.26	1.42	mm *2)	22	26	28	32	36
Screw L/D Ratio		20:1	20:1	20:1	20:1	20:1		20:1	20:1	20:1	20:1	20:1
Screw Speed, Maximum	min-1	450	450	450	450	450	min-1	450	450	450	450	450
Nozzle Touch Force	ton US	1.65	1.65	1.65	1.65	1.65	Tons	1.5	1.5	1.5	1.5	1.5
Number of Pyrometers (Barrel/Nozzle)		3/1	3/1	3/1	3/1	3/1		3/1	3/1	3/1	3/1	3/1
Total Heat Capacity	Kw	3.8	6.5	7.2	8.4	9.1	Kw	3.8	6.5	7.2	8.4	9.1
Clamping Unit	ENGLISH	Standard		Optional		METRIC		Standard		Optional		
Clamping Force	tons US	165		198		kN		1500		1800		
Mold Opening Stroke	in			17.32		mm				440		
Clamp Speed	in/sec			16.34		mm/sec				415		
Dry Cycle Time @ 50% Stroke	sec			1.86		sec				1.86		
Maximum Daylight	in	36.61		40.55		mm		930		1030		
Minimum / Maximum Mold Thickness	in	7.8~19.3		7.8~23.2		mm		200~490		200~590		
Minimum Mold Size	in *1)			13.8 x 11.8		mm *1)				350 x 300		
Maximum Mold Weight	lbs			Consult Factory		kgs				Consult Factory		
Platen Size (h x v)	in			31.5 x 29.5		mm				800 x 750		
Distance Between Tie Rods (h x v)	in			22.0 x 20.1		mm				560 x 510		
Tie Rod Diameter	in			3.54		mm				90		
Eject Stroke Maximum	in			5.91		mm				150		
Ejector Force	tons US			3.85		kN				35		
Mold Locating Ring Inside Diameter	in			4.00		mm				101.6		
General Data	ENGLISH	METRIC										
Length Overall	in	218.1						mm	5,540			
Width Overall	in	55.2						mm	1,402			
Height Overall	in	71.6						mm	1,818			
Weight	lbs *4)	15,653						Kg *4)	7,100			
Nominal Input Power Source	Ph/Volt	3Phase, 220 -10%, 60Hz +/-1Hz						Ph/Volt	3 Phase, 200V-10% 50/60Hz+/-1Hz			
Breaker Size Machine only	Amp	75						Amp	75			
Breaker Size with Outlets or Mold Heater	Amp	175						Amp	175			
Machine	kva	27.3						kva	27.3			
External outlet	kva	35.0						kva	35.0			
Maximum Total Capacity	kva	62.3						kva	62.3			

Due to continuous improvements, specifications are subject to change without notice.
Conversion factor 0.95 g/cc based on polyethylene. Calculated based on polystyrene.
*1) Smaller mold than this size may limit the clamp force.

*2) The maximum injection pressure and maximum pack pressure are not melt pressure but injection unit output.
The maximum injection pressure and maximum pack pressure are the maximum values that can be set.
The maximum injection pressure and maximum pack pressure might be limited depending on the molding condition.

*3) Maximum injection rate and maximum injection speed are theoretical values.
Maximum injection rate and maximum injection speed cannot be guaranteed when the injection pressure is maximum.
*4) The machine with 28mm diameter screw and without option.

Moving Platen

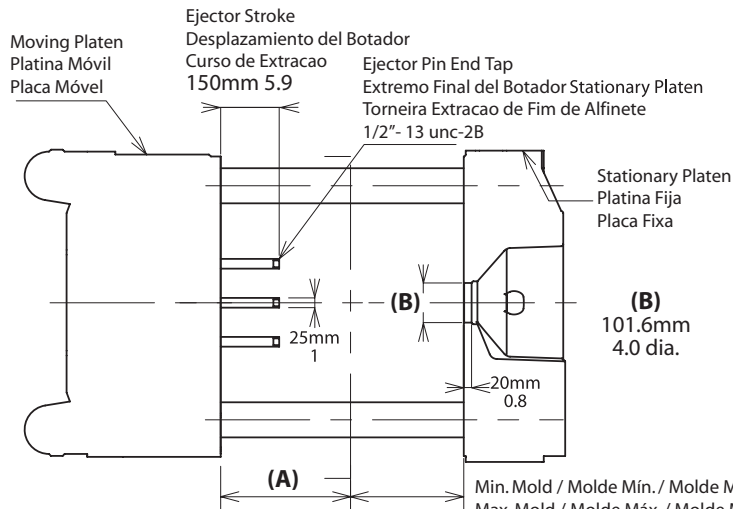


	in.	mm		in.	mm
A	2	50.8	J	3	76.2
B	3	76.2	K	5	127.0
C	5	127.0	L	7	177.8
D	7	177.8	M	8	203.2
E	8	203.2	N	10	254.0
F	10	254.0	O	12	304.8
G	12	304.8	P	29.5	750.0
H	15.8	400.0	Q	31.5	800.0
I	2	50.8	R	14	355.6

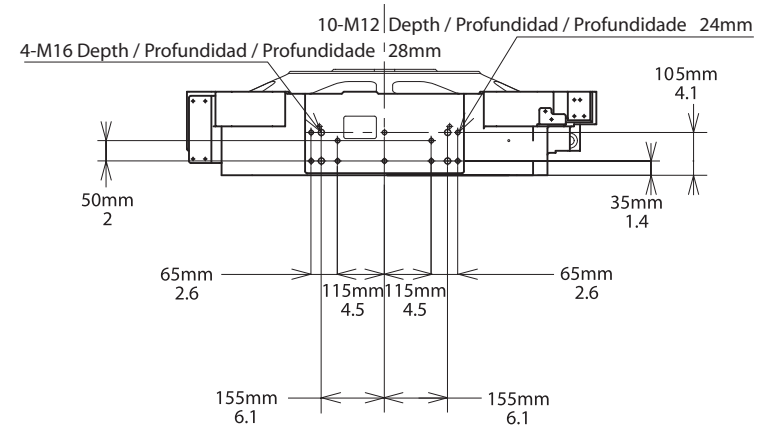
AA 0.531" - 1.94" Depth / Profundidad / Profundidade (80 Holes / Hoyos / Buracos)
0.625"-11 UNC-2B - 1.38" Depth / Profundidad / Profundidade

BB 30mm dia. thru (13 Holes / Hoyos / Buracos)

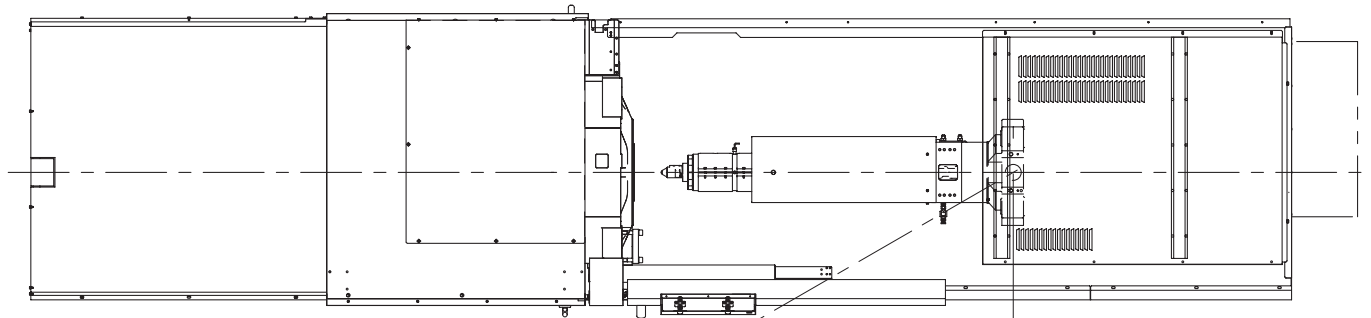
Die Space



Robot Mounting Plate



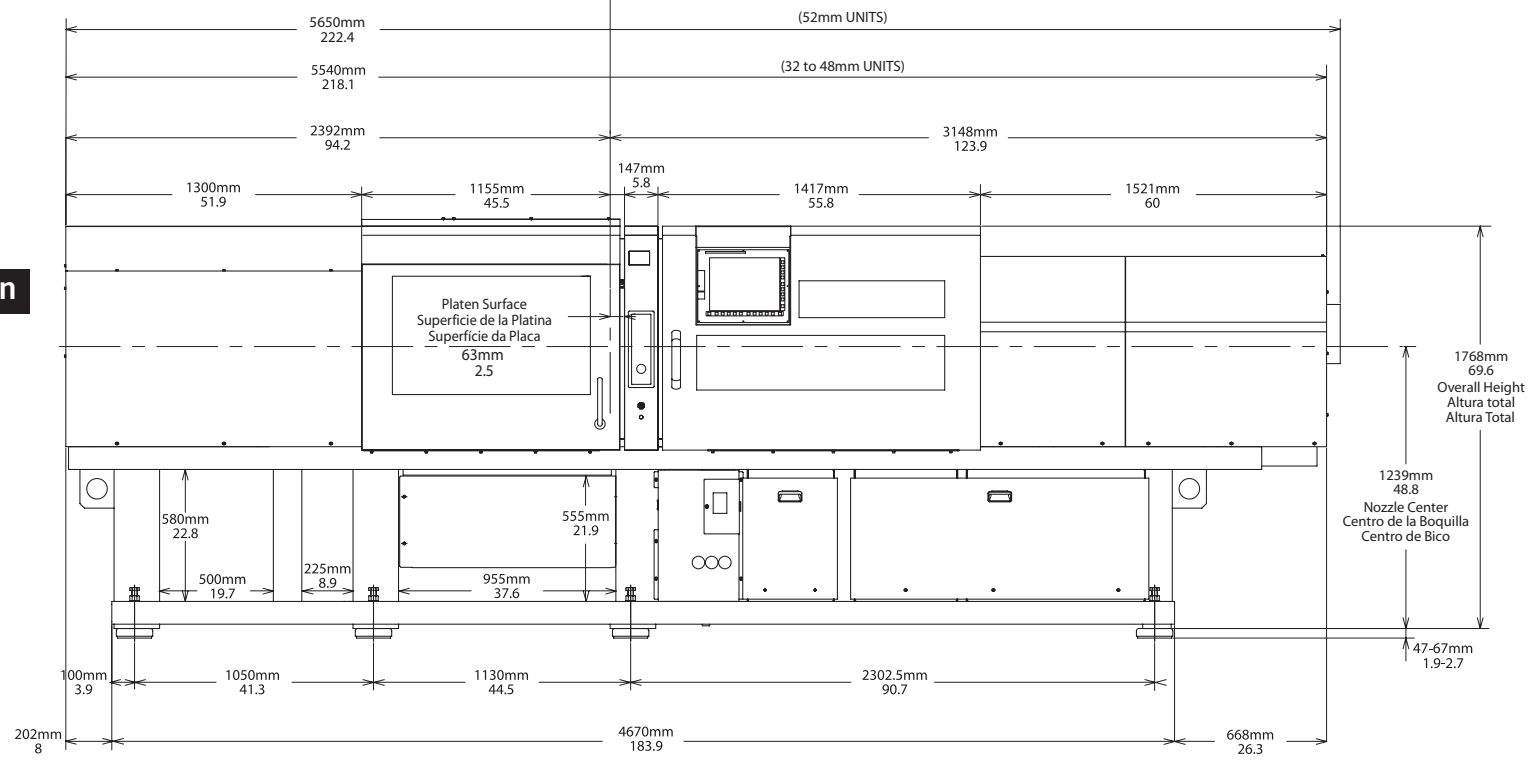
(A) Max. Clamp Stroke / Desplazamiento Max. de la Prensa / Curso Máx. de Fechamento: 332.9mm 13.1



Plan View

1925mm
75.8

OVERALL LENGTH / LONGITUD TOTAL / COMPRIMENTO TOTAL

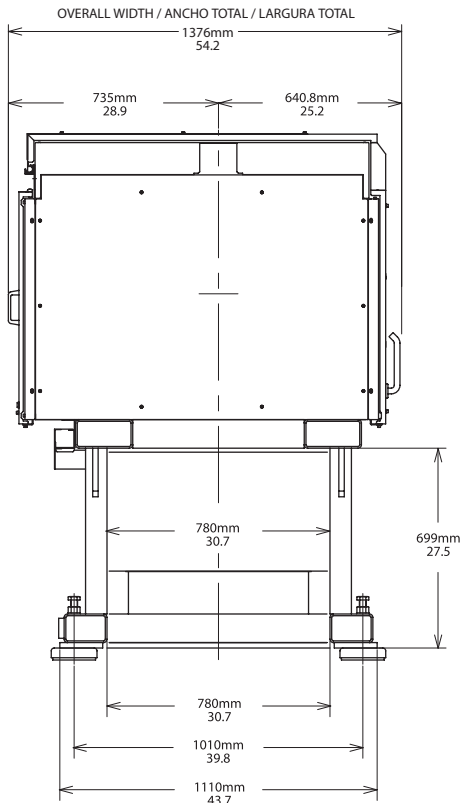
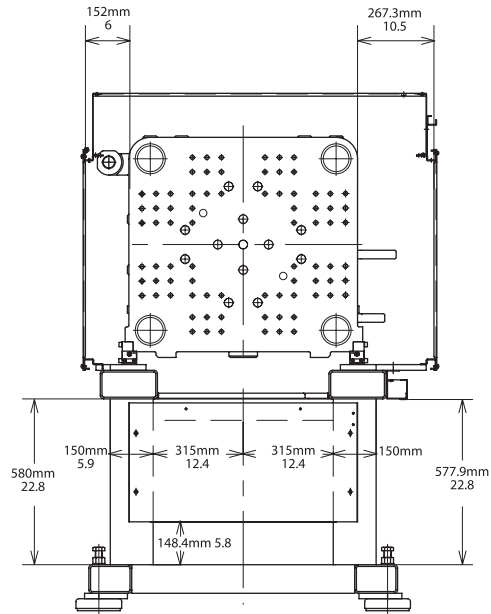


Elevation

ROBOSHOT S2000 i 165B-m

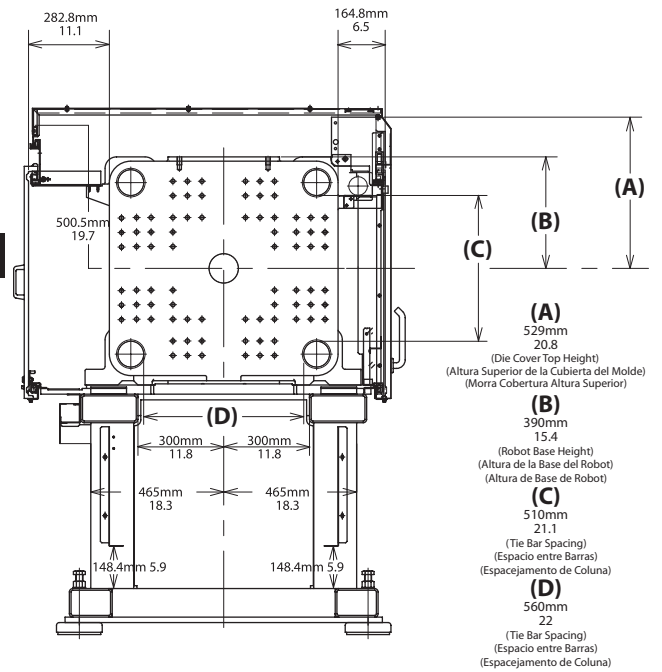


Moving Platen



Clamp End View

Stationary Platen



Injection End View

