



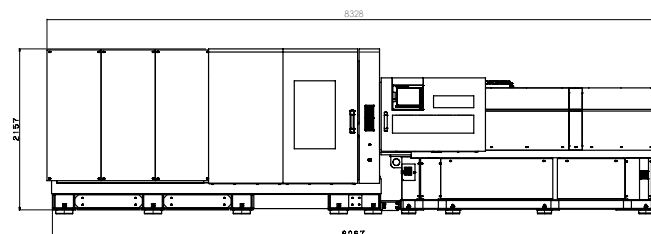
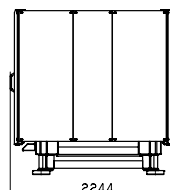
# ROBOSHOT

## ALPHA SERIES

**Tonnage: 500-m**

**Screw Diameter: 56, 64, 68, 72**

## TECHNICAL SPECIFICATIONS



Screw Diameter		56	64	68	72
	ENGLISH METRIC				
<b>General</b>					
Overall Dimensions (L x W x H)	in mm	327.9 x 88.35 x 84.9 8,328 x 2,244 x 2,157			
Machine Weight	lbs kg	48,000 21,772			
Nominal Input Power Source	Ph/Volt	3 Phase, 220V +/-10%, 60 Hz +/- 1 Hz			
Breaker Size Machine Only	Amp	250			
Breaker Size with Aux Outlets	Amp	150			
Machine	kva	49.3			
External Outlet	kva	34.6			
Max Total Capacity	kva	83.9			
<b>Injection Unit Specifications</b>					
Injection Capacity, Maximum GPPS	oz gms	21.29 604	27.81 788	31.4 890	35.2 998
Theoretical Displacement	in <sup>3</sup> cm <sup>3</sup>	39.1 640	51 836	57.6 944	64.6 1,059
Maximum Injection Pressure	psi bar	32,633 2,250	25,382 1,750	22,481 1,550	19,580 1,350
Maximum Pack Pressure	psi bar	28,282 1,950	21,756 1,500	18,855 1,300	17,405 1,200
Maximum Injection Velocity	in/sec cm/sec	9.45 24	9.45 24	9.45 24	9.45 24
Maximum Injection Rate	in <sup>3</sup> /sec cm <sup>3</sup> /sec	36.07 591	47.11 772	53.18 872	59.62 977
Screw Stroke	in mm	10.24 260	10.24 260	10.24 260	10.24 260
Screw Diameter	in mm	2.20 56	2.52 64	2.68 68	2.83 72
Screw L/D Ratio	L/D	20:1	20:1	20:1	20:1
Screw Speed Max	min <sup>-1</sup>	400	400	400	300
Nozzle Touch Force	ton tonf	3.3 3	3.3 3	3.3 3	3.3 3
Number of Pyrometers (Barrel/Nozzle)	qty	4/1	4/1	4/1	4/1
Total Heat Capacity	kW	23.9	27.2	27.8	27.2

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4165 Half Acre Rd.,  
Batavia OH 45103  
513.536.2000  
info@milacron.com  
www.milacron.com

Screw Diameter		56	64	68	72
	ENGLISH METRIC				
<b>Clamp</b>		<b>Standard</b>			
Clamping Force	ton kN	495 (550 Option) 5,000			
Mold Opening Stroke	in mm	35.43 900			
Clamp Speed	in/sec mm/sec	15.75 400			
Ejector Force	tons kN	15.3 150			
Ejector Stroke Max	in mm	9.84 250			
Maximum Daylight	in mm	74.8 1,900			
Min/Max Mold Thickness	in mm	13.8 / 39.4 350 / 1000			
Minimum Mold Size	in mm	21.06 x 21.06 535 x 535			
Maximum Mold Weight	lbs kg	354.3 9,000			
Platen Size (H x V)	in mm	51.2 x 51.2 1,300 x 1,300			
Distance Between Tie Rods (H x V)	in mm	36.2 x 36.2 920 x 920			
Tie Rod Diameter	in mm	5.91 150			
Euromap 6 Dry Cycle Time*	sec	<b>1/2 stroke-</b> 3.16 sec <b>Full stroke-</b> 4.19 sec			
Mold locating ring inside diameter	in mm	4 101.6			

#### Notes

1) All machine dimensions and specifications are subject to change. Values are for reference only. All general assembly drawings or visuals included herein are for reference only. Please consult the general assembly drawing from a Milacron representative.

2) \* Increased tonnage may effect max clamp speed



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