



EK Series Center Clamping Injection Molding Machines
MODEL: BL2500EK/C41000

INJECTION UNIT:	Measure Unit	Model			
DESCRIPTION:	UNIT	BL2500EK/C41000			
		A	B	C	D
Screw Diameter:	in	6.693	7.283	7.874	8.661
	mm	170	85	200	220
Screw Ratio:		24	22	20	19
Theoretical Injection Capacity	cu in	1281.24	1517.31	1773.34	2145.74
	cm ³	20996	24864	29060	35162
Shot Weight (PS)	g	19316	22875	26735	32349
	oz	681.3	806.9	943	1141.1
Injection Rate Into Air	cu in/s	88	104.3	121.9	147.4
	cm ³ /s	1443	1709	1997	2416
Injection Pressure	psi	28140	23789	20453	16826
	MPa	194	164	141	116
Plasticizing Rate	g/s	206	259	324	420
Injection Stroke	in	36.42			
	mm	925			
Max. Injection Speed	in/s	2.5			
	mm/s	63.5			
Max. Screw Speed	r/min	48			

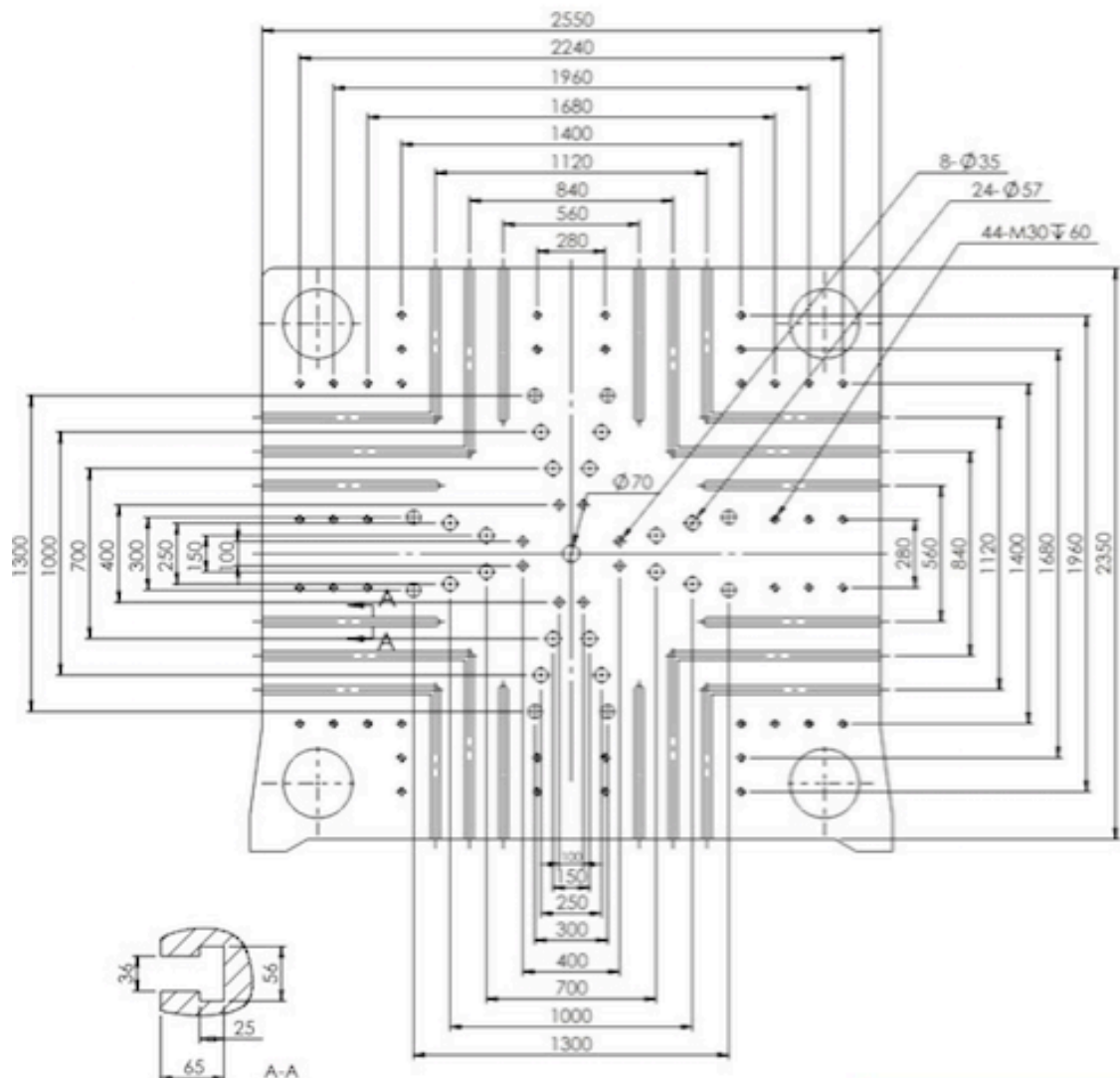
CLAMPING UNIT:	Measure Unit	Model
Clamping Force	US ton	2810
	kN	25000
Opening Stroke	in	78.75
	mm	2000
Space Between Tie Bar	in x in	71.65 x 64
	mm x mm	1820 x 1620
Platen Size	in x in	100.39 x 92.52
	mm x mm	2550 x 2350
Min. Mold Height	in	31.5
	mm	800
Max. Mold Height	in	67
	mm	1800
Max. Distance Platen	in	149.6
	mm	3800
Ejector Stroke	in	19.685
	mm	500
Ejector Force Forward	US Ton	48
	kN	425
Ejector Force Back	US Ton	38
	kN	334
Number of Ejector Bar(s)	PC	33

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Other Machine Information:	Measure Unit	Model
System Pressure	PSI	2320
	MPa	16
Pump Motor	hp	63+63+63+63
	kW	47+47+47+47
Heater Power	kW	165.3
Number of Temp. Control Zones		8+1
Hoper Capacity	Lbs	882
	kg	400
Oil Tank Capacity	US gal	793
	L	3000
Machine Dimensions (LxWxH)	ft x ft x ft	59.38 x 12.96 x 16.73
	m x m x m	18.1 x 3.95 x 5.1
Machine Weight	Lbs	340000
	Ton	170

Platen Size



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Platen
Side Size

