



EK Series Center Clamping Injection Molding Machines
MODEL: BL2100EK/C28000

INJECTION UNIT:	Measure Unit	Model			
DESCRIPTION:	UNIT	BL2100EK/C28000			
		A	B	C	D
Screw Diameter:	in	5.906	6.299	6.693	7.087
	mm	150	160	170	180
Screw Ratio:		23	22	21	20
Theoretical Injection Capacity	cu in	900.45	1024.51	1156.58	1296.55
	cm ³	13575	15446	17437	19548
Shot Weight (PS)	g	13575	15446	17373	19548
	oz	478.8	544.8	615	689.5
Injection Rate Into Air	cu in/s	86	97.8	110.4	123.8
	cm ³ /s	1409	1603	1809	2028
Injection Pressure	psi	27415	24079	21323	19147
	MPa	289	166	147	132
Plasticizing Rate	g/s	163	194	227	271
Injection Stroke	in	32.87			
	mm	835			
Max. Injection Speed	in/s	3.14			
	mm/s	79.7			
Max. Screw Speed	r/min	53			

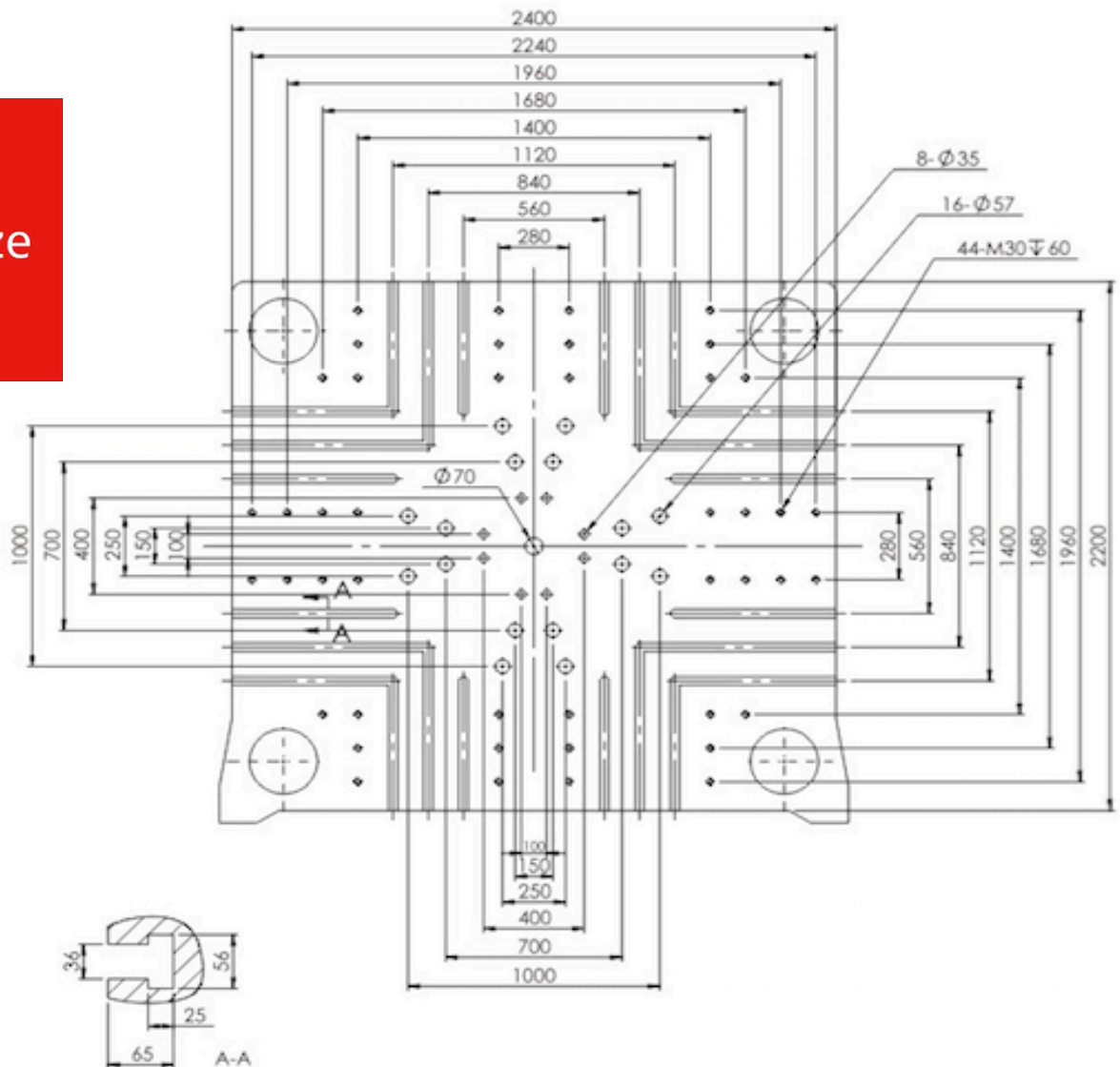
CLAMPING UNIT:	Measure Unit	Model
Clamping Force	US ton	2360
	kN	21000
Opening Stroke	in	73
	mm	1850
Space Between Tie Bar	in x in	68 x 60
	mm x mm	1720 x 1520
Platen Size	in x in	94.49 x 86.61
	mm x mm	2400 x 2200
Min. Mold Height	in	30
	mm	750
Max. Mold Height	in	67
	mm	1700
Max. Distance Platen	in	140
	mm	3550
Ejector Stroke	in	17.7165
	mm	450
Ejector Force Forward	US Ton	48
	kN	425
Ejector Force Back	US Ton	38
	kN	334
Number of Ejector Bar(s)	PC	25

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Other Machine Information:	Measure Unit	Model
System Pressure	PSI	2320
	MPa	16
Pump Motor	hp	49.6+63+63+63
	kW	37+47+47+47
Heater Power	kW	122.9
Number of Temp. Control Zones		8+1
Hoper Capacity	Lbs	882
	kg	400
Oil Tank Capacity	US gal	726
	L	2500
Machine Dimensions (LxWxH)	ft x ft x ft	52.5 x 12.3 x 14.76
	m x m x m	16.1 x 3.75 x 4.5
Machine Weight	Lbs	280000
	Ton	140

Platen Size



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Platen
Side Size

