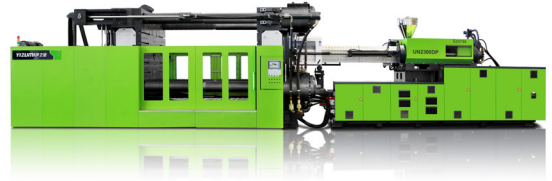


# UN700DP Specifications

## FEATURES

- › Japanese Yuken dual displacement piston pump with servo drive saves between 20% and 60% energy compared to a variable displacement pump
- › User friendly and renowned Austrian manufactured KEBA controller
- › European based design
- › Ceramic heater bands
- › T-slot platens
- › Warranty supported by UK based engineers
- › Open ejector cylinder design which is maintenance friendly
- › Diagonally located high-speed cylinders for faster mould opening and closing
- › High-rigidity platen
- › Non-contact magnetostrictive sensors used for measuring position
- › Low-speed high-torque hydraulic motor for screw drive
- › Sliding shoes designed specifically to support large moulds with two thirds of the mould weight taken by the moving platen
- › Short stroke high-pressure cylinders offer fast pressure build-up and mould protection
- › Non-contact design between tie bars and movable platen for lower maintenance
- › Large areas of safety foot plates aides access
- › Swivelling injection unit shortens the time spent on plasticising unit maintenance
- › Pump and motor unit can be specified to suit the application if required and can lead to further gains in efficiency
- › Tie bar pulling, magnetic platens and quick mould change systems available as options
- › Optional accumulator assisted injection
- › Specific screws for processing different materials can be specified to suit the application



INJECTION UNIT		2695			3330			4800			6800		
		A	B	C	A	B	C	A	B	C	A	B	C
Screw diameter	mm	68	76	84	76	84	92	84	92	108	92	100	116
Theoretical shot volume	cm <sup>3</sup>	1198	1497	1829	1678	2050	2460	2217	2659	3664	3191	3770	5073
Shot weight	g	1103	1377	1683	1544	1886	2263	2039	2446	3371	2936	3468	4667
Injection pressure	MPa	225	180	147	199	162	136	218	181	131	213	180	134
Screw L:D ratio	L/D	22.3	20	20	22.1	20	20	21.9	20	20	21.7	20	20
Injection rate	cm <sup>3</sup> /s	383	478	584	578	683	797	516	619	853	615	726	980
Max. injection speed	mm/s		105			95			93			92.5	
Screw stroke	mm		330			370			400			480	
Max. screw speed	r/min		184			147			154			145	
Screw torque	Nm		4459			5573			6967			8778	
Heating capacity	kW	26.4	26.4	30.9	33.1	33.1	36.2	37.82	37.82	47	47	47	56.6
Barrel heating zone number	PCS		6			6			6			7	
Nozzle contact force	kN		131.9			131.9			247.3			247.3	

CLAMPING UNIT													
Clamping force	kN	7000											
Opening force	kN	500											
Platen size	mm	1510 x 1440											
Distance between tie-bars	mm	1100 x 960											
Mould thickness	mm	450 - 950											
Max. opening stroke	mm	1450											
Max. daylight	mm	1900											
Ejector force	kN	110											
Ejector stroke	mm	250											
Ejector number	PCS	21											

ELECTRICAL & HYDRAULIC UNITS													
System pressure	MPa	17.5 / 30			17.5 / 30			17.5 / 30			17.5 / 30		
Pump motor	kW	39.4 + 28.7 + 7.5			39.4 + 28.7 + 7.5			55.6 + 28.7 + 7.5			60 + 39.4 + 7.5		
Total power	kW	102	102	106.5	108.7	108.7	111.8	129.6	129.6	138.8	153.9	153.9	163.5

GENERAL													
Oil tank capacity	L	750			750			1000			1150		
Dry cycle	s/mm	5.8 / 770			5.8 / 770			4.8 / 770			4.5 / 770		
Max. Mould weight	T	11			11			11			11		
Machine weight	T	16 + 5			16 + 5.5			16 + 6.5			16 + 8.5		
Machine dimensions	LxWxH	8.2 x 2.7 x 2.7			8.2 x 2.7 x 2.7			9.1 x 2.7 x 2.7			9.1 x 2.7 x 2.7		

