

UN2400D1 Specifications

FEATURES

- › European, oil-cooled, two-headed motor-driven servo drive delivers fast response and maximise energy efficiency
- › Austrian KEBA control with dual CPU is stable, fast & accurate with 12" TFT colour touch screen display
- › Based on European design technology
- › High rigidity clamping unit delivers stability & accuracy, combined with uniform stress distribution on the tie bars
- › Rexroth highly responsive dual proportional valves on clamping unit offers accurate repeatability
- › L-shape guide rails deliver platen movement accuracy up to 0.05mm
- › Mould open position accurate to $\pm 0.2\text{mm}$
- › Tie bars independent of moving platen offers precision & speed
- › Dry cycle times faster than toggle lock machines
- › Small footprint compared to traditional three platen design
- › Low pressure & highly sensitive mould protection
- › Integrated linear guide rails on injection unit offer low resistance and accuracy
- › Repeatability of part weight $\leq 3\%$
- › Durable ceramic heater bands
- › Time, position or pressure switchover for holding phase start
- › Ultrasonic displacement sensor
- › Central lubrication for injection unit
- › European oil seals & guide rings
- › Double core pull
- › Double air blast circuit
- › Euromap robot interface & Euromap mounting
- › Hydraulic ejector
- › T-Slot platen
- › Auto mould height adjustment
- › Oil pre-heating
- › IP54 electrical enclosure
- › Precise filtration and independent cooling system
- › Service, warranty & parts supported by our in-house engineers



INJECTION UNIT		14500			18500				23750			37500	50000		
		A	B	C	A	B	C	D	A	B	C	A	A		
Screw diameter	mm	125	135	145	135	145	155	165	145	155	165	185	200		
Shot volume	cm ³	7977	9304	10733	10020	11559	13208	14968	12385	14152	16037	26343	35186		
Shot weight	g	7339	8560	9875	9218	10634	12152	13770	11394	13020	14754	24235	32371		
Injection pressure	bar	1810	1560	1350	1840	1600	1400	1230	1900	1670	1470	1510	1580		
Screw L:D ratio		23.6	22	20	23.6	22	22	20	23.5	22	20.1	22	22		
Injection rate	cm ³ /s	1316	1536	1772	1301	1502	1717	1946	1532	1750	1983	1934	1843		
Max. injection speed	mm/s	107			91				92.7			71.9	58.7		
Screw stroke	mm	650			700				750			980	1120		
Max. screw speed	r/min	120			120				120			80	67		
Barrel heating zone no.	PCS	8			8				10			10	9		
CLAMPING UNIT															
Clamping force	kN	24000													
Opening force	kN	1640													
Platen size	mm	2682 x 2482													
Distance between tie-bars	mm	1900 x 1700													
Mould thickness (min-max)	mm	800 - 1800													
Opening stroke	mm	3000 / 2000													
Max. daylight	mm	3800													
Ejector force	kN	460													
Ejector stroke	mm	430													
Ejector number	PCS	25													
ELECTRICAL & HYDRAULIC UNITS															
System pressure	MPa	17.5 / 30			17.5 / 30				17.5 / 30			17.5 / 30		17.5 / 30	
Pump motor	kW	89 + 66 + 11			89 + 66 + 11				110 + 89 + 11			110 + 89 + 11		110 + 89 + 11	
Total power	kW	253.7			263.8				322.4			357.5		403	
Heater power	kW	87.7			97.8				112.4			147.5		193	
GENERAL															
Oil tank capacity	L	2100			2100				2850			2850		2850	
Machine dimensions (LxWxH)	m	13.3 x 4.3 x 3.8			13.3 x 4.3 x 3.8				15.8 x 4.3 x 3.9			15.8 x 4.3 x 3.9		15.8 x 4.3 x 4.0	
Machine weight	T	79 + 16.5			79 + 18.5				79 + 21			79 + 23		79 + 26	
Max mould weight	T	59			59				59			59		59	

