

UN2100D1 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 up to 55% 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		12050			14500			18500			37500
		A	B	C	A	B	C	A	B	C	A
Screw diameter	mm	116	125	135	125	135	145	135	145	165	185
Theoretical shot volume	cm ³	6341	7363	8588	7977	9304	10733	10020	11559	14968	26343
Shot weight	g	5833	6774	7901	7339	8560	9875	9218	10634	13770	24235
Injection pressure	MPa	190	164	140	181	156	135	184	160	123	142
Screw L:D ratio		22.1	20	20	23.6	22	20	23.6	22	20	20
Injection rate	cm ³ /s	913	1060	1236	1316	1536	1772	1295	1494	1936	1884
Max. injection speed	mm/s	86			107			91			70
Screw stroke	mm	600			650			700			980
Max. screw speed	r/min	112			120			120			74
Barrel heating zone no.	PCS	8			8			8			10
CLAMPING UNIT											
Clamping force	kN	21000									
Opening force	kN	1380									
Platen size	mm	2620 x 2320									
Distance between tie-bars	mm	1800 x 1600									
Mould thickness (min-max)	mm	800 - 1700									
Opening stroke	mm	1800 / 2700									
Max. daylight	mm	3500									
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
Pump motor	kW	89 + 37 + 11			89 + 66 + 11			89 + 66 + 11			110 + 66 + 11
Total power	kW	203.4	203.4	207.6	253.7			261			309.6
Total power	kW	66.37	66.37	70.63	87.7			95			126.1
GENERAL											
Oil tank capacity	L	1600			2100			2100			2400
Machine dimensions (LxWxH)	m	13.1 x 4.2 x 3.4			13.2 x 4.2 x 3.8			13.2 x 4.2 x 3.8			14.8 x 4.2 x 3.9
Machine weight	T	65 + 13			65 + 16.5			65 + 18.5			65 + 23
Max. mould weight	T	50			50			50			50

