

UN1300D1 Specifications

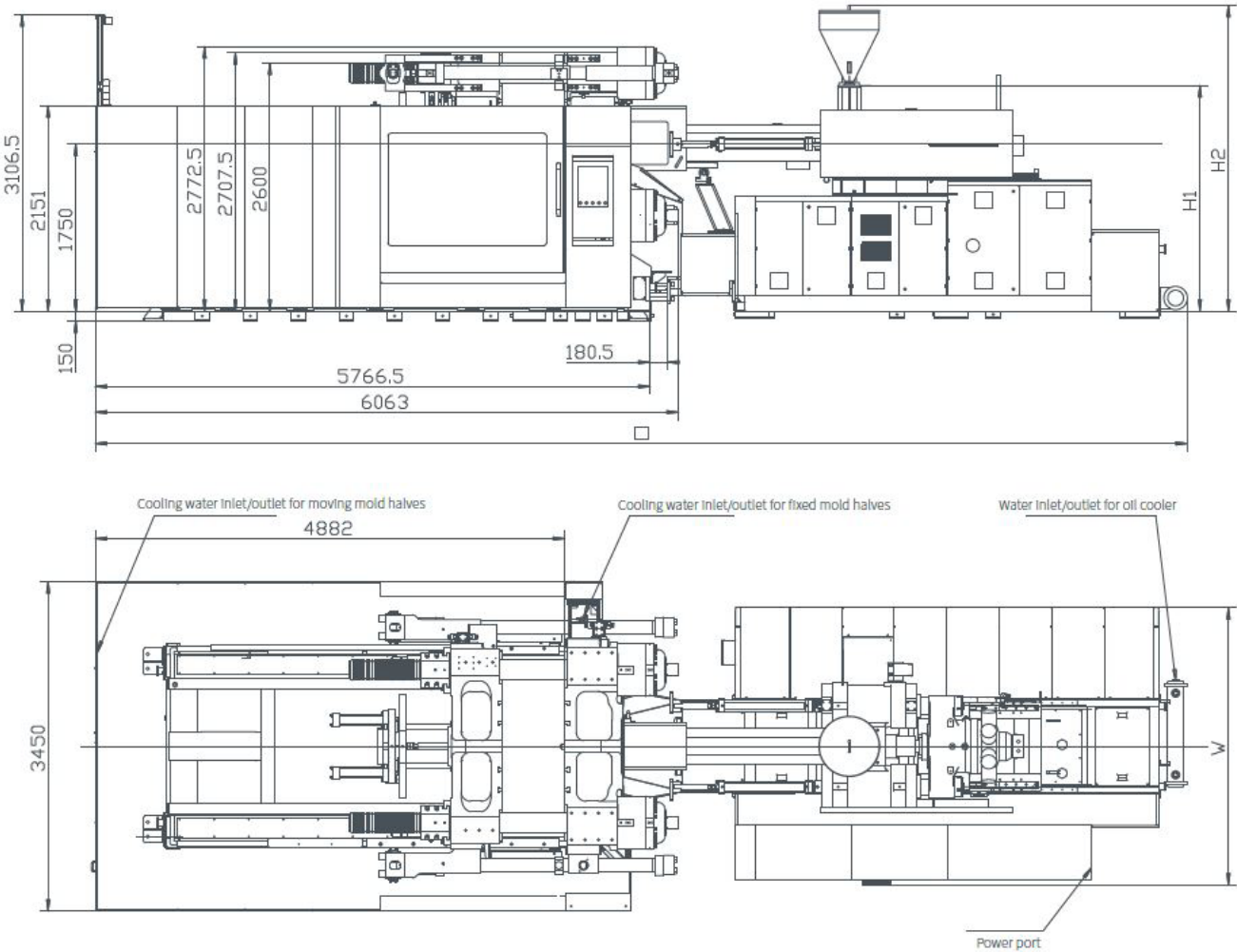
FEATURES

- 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

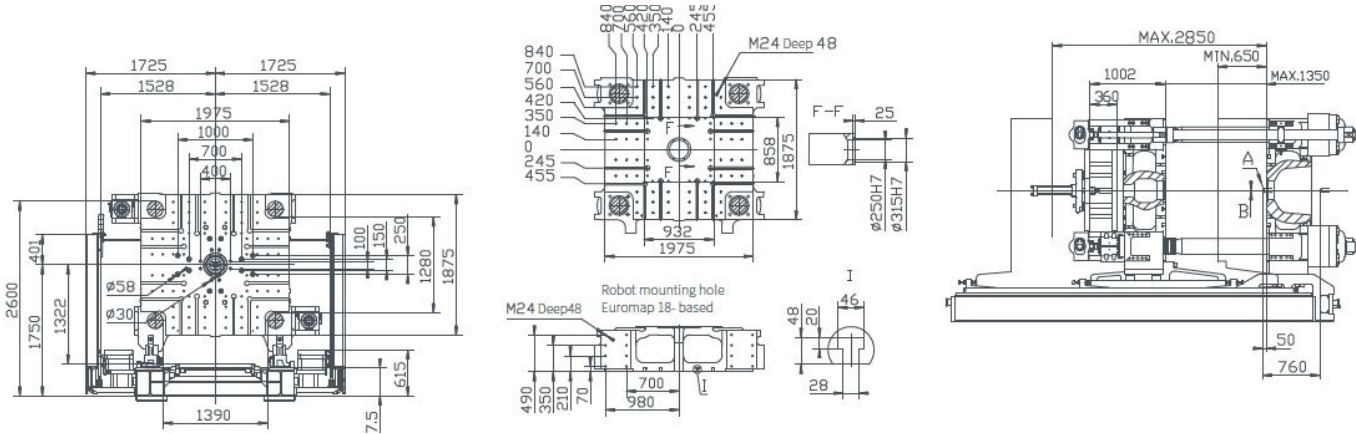


INJECTION UNIT		6800			9000			12050			14500		
		A	B	C	A	B	C	A	B	C	A	B	C
Screw diameter	mm	92	100	116	100	108	116	116	125	135	125	135	145
Shot volume	cm ³	3191	3770	5073	4320	5038	5813	6341	7363	8588	7854	9161	10568
Shot weight	g	2936	3468	4667	3974	4636	5348	5833	6774	7901	7226	8428	9723
Injection pressure	MPa	213	180	134	209	179	155	190	164	140	181	156	135
Screw L:D ratio		21.7	20	20	21.6	20	20	22.1	20	20	23.6	22	20
Injection rate	cm ³ /s	615	726	980	766	894	1031	913	1060	1236	1316	1536	1772
Max. injection speed	mm/s	92.5			97.6			86			107		
Screw stroke	mm	780			550			600			640		
Max. screw speed	r/min	145			128			112			120		
Barrel heating zone no.	PCS	7			7			8			8		
CLAMPING UNIT													
Clamping force	kN	13000											
Opening force	kN	875											
Platen size	mm	1975 x 1875											
Distance between tie-bars	mm	1390 x 1280											
Mould thickness (min-max)	mm	650 - 1350											
Opening stroke	mm	2200 / 1500											
Max. daylight	mm	2850											
Ejector force	kN	274											
Ejector stroke	mm	360											
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 + 7.5			110 + 7.5			89 + 37 + 7.5			89 + 66 + 7.5		
Total power	kW	138.5	138.5	147.5	164	164	168.8	199.9	199.9	204	250.2	250.2	250.2
Heater power	kW	42	42	51.82	46.52	46.52	51.32	66.37	66.37	70.63	977		
GENERAL													
Oil tank capacity	L	1150			1400			1600			2100		
Machine dimensions (LxWxH)	m	10.3 x 3.5 x 3.2			10.8 x 3.5 x 3.2			11.4 x 3.5 x 3.2			11.8 x 3.5 x 3.2		
Machine weight	T	36 + 8.5			36 + 11			36 + 13			36 + 16.5		
Max. mould weight	T	23			23			23			23		

MACHINE DIMENSIONS



PLATEN DRAWINGS



Model	A	B	L	H1	H2	W	Main power cord size	Full-load current	Bearing capacity of foundation	Number of cooling water distributor	Cooling water flow (mold excluded)	Cooling water pressure	Compressed air pressure
	mm	mm	mm	mm	mm	mm	mm ²	A	t/m ²	n×L/min	L/min	bar	bar
UN1300D1-IU6800	SR15	Φ4.5	10300	2159	3101	2906	95	259.84	8	(8+8)×11	150	3~4	5~6
UN1300D1-IU9000	SR15	Φ4.5	10800	2234	3066	2906	95	316.71	8	(8+8)×11	150	3~4	5~6
UN1300D1-IU12050	SR15	Φ4.5	11400	2394	3066	2906	120	370.88	8	(8+8)×11	150	3~4	5~6
UN1300D1-IU14500	SR20	Φ8	11800	2284	3066	2906	150	470.42	8	(8+8)×11	150	3~4	5~6