

UN900D1 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 ± 0.2 mm
- › Tie bars independent of moving platen offers precision & speed

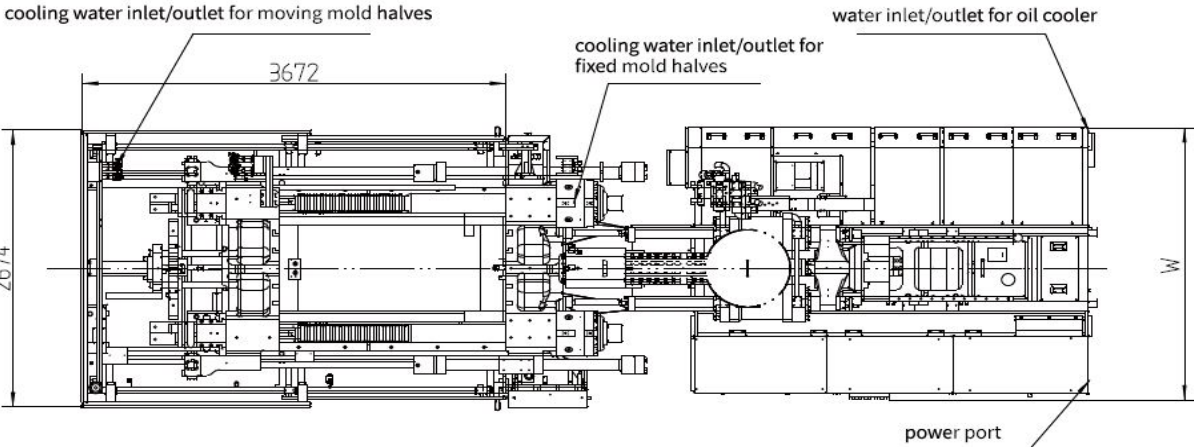
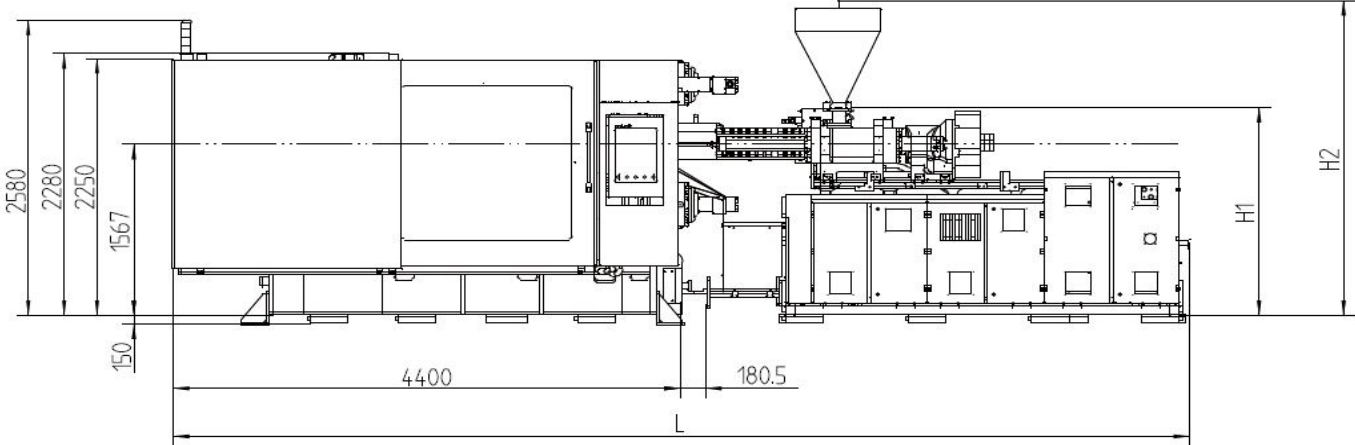
- › Dry cycle times up to 55% faster than toggle lock machines
- › Small footprint compared to traditional three platen design
- › Low pressure & highly sensitive mould protection
- › Integrated linear guide rails on injection unit offer low resistance and accuracy
- › Repeatability of part weight $\leq 3\%$
- › 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



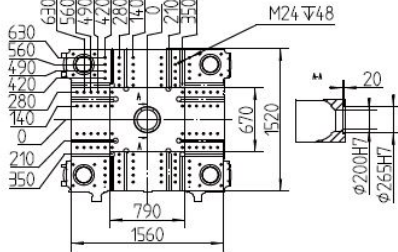
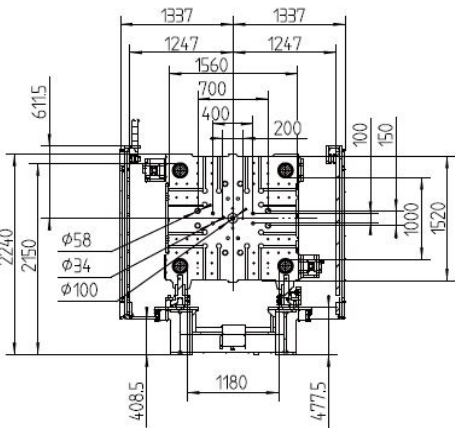
- › Double air blast circuit
- › Euromap robot interface & Euromap mounting
- › Hydraulic ejector
- › T-Slot platen
- › Auto mould height adjustment
- › Oil pre-heating
- › IP54 electrical enclosure
- › Precise filtration and independent cooling system
- › Service, warranty & parts supported by our in-house engineers

INJECTION UNIT		4800			6800			9000		
		A	B	C	A	B	C	A	B	C
Screw diameter	mm	84	92	108	92	100	116	100	108	116
Shot volume	cm ³	2217	2659	3664	3191	3770	5073	4320	5038	5813
Shot weight	g	2039	2446	3371	2936	3468	4667	3974	4636	5348
Injection pressure	MPa	218	181	131	213	180	134	209	179	155
Screw L:D ratio		21.9	20	20	21.7	20	20	21.6	20	20
Injection rate	cm ³ /s	516	619	853	615	726	980	766	894	1031
Max. injection speed	mm/s	93			92.5			97.6		
Screw stroke	mm	400			480			550		
Max. screw speed	r/min	154			145			128		
Barrel heating zone no.	PCS	6			7			7		
CLAMPING UNIT										
Clamping force	kN	9000								
Opening force	kN	640								
Platen size	mm	1560 x 1520								
Distance between tie-bars	mm	1180 x 1000								
Mould thickness (min-max)	mm	500 - 1100								
Opening stroke	mm	1650 / 1050								
Max. daylight	mm	2150								
Ejector force	kN	220								
Ejector stroke	mm	320								
Ejector number	PCS	21								
ELECTRICAL & HYDRAULIC UNITS										
System pressure	MPa	17.5 / 30			17.5 / 30			17.5 / 30		
Pump motor	kW	66 + 7.5			89 + 7.5			110 + 7.5		
Total power	kW	111.3	111.3	120.5	138.5	138.5	147.5	164.02	164.02	168.82
Heater power	kW	37.82	37.82	47	42	42	51	46.52	46.52	51.32
GENERAL										
Oil tank capacity	L	1000			1150			1400		
Machine dimensions (LxWxH)	m	9.4 x 3.2 x 2.8			8.5 x 3.2 x 2.9			10 x 3.2 x 2.9		
Machine weight	T	22 + 6.5			22 + 8.5			22 + 11		
Max. mould weight	T	13			13			13		

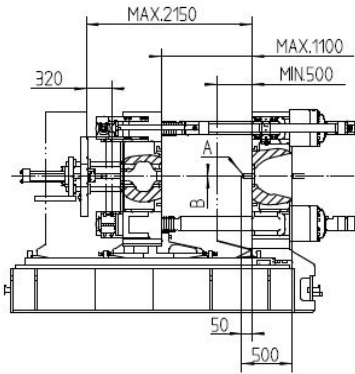
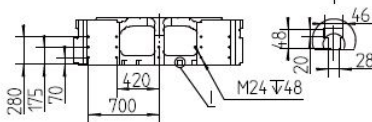
MACHINE DIMENSIONS



PLATEN DRAWINGS



Robot mounting holes according to Euromap 18



Model	A	B	L	H1	H2	W	Main power cord size	Full-load current	Bearing capacity of foundation	Number of cooling water	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
UN900D1-IU4800	SR15	Ø4.5	9400	1939	2780	2198	70	215.49	8	(8+8)×11	150	3~4	5~6
UN900D1-IU6800	SR15	Ø4.5	9500	1946	2860	2198	95	259.84	8	(8+8)×11	150	3~4	5~6
UN900D1-IU9000	SR15	Ø4.5	10000	1974	2870	2906	95	316.71	8	(8+8)×11	150	3~4	5~6