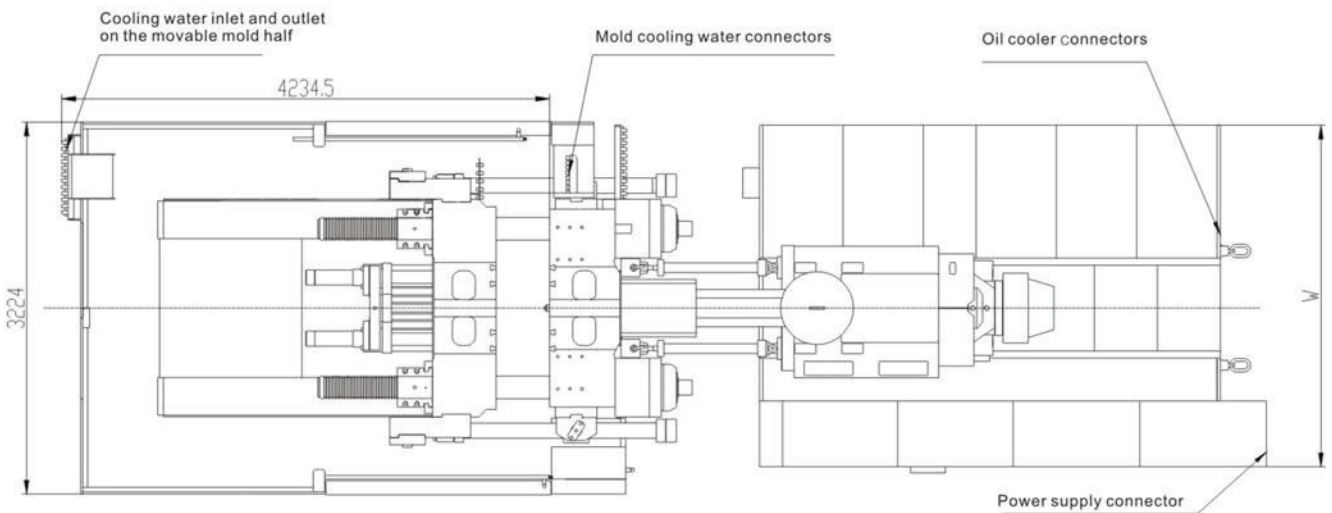
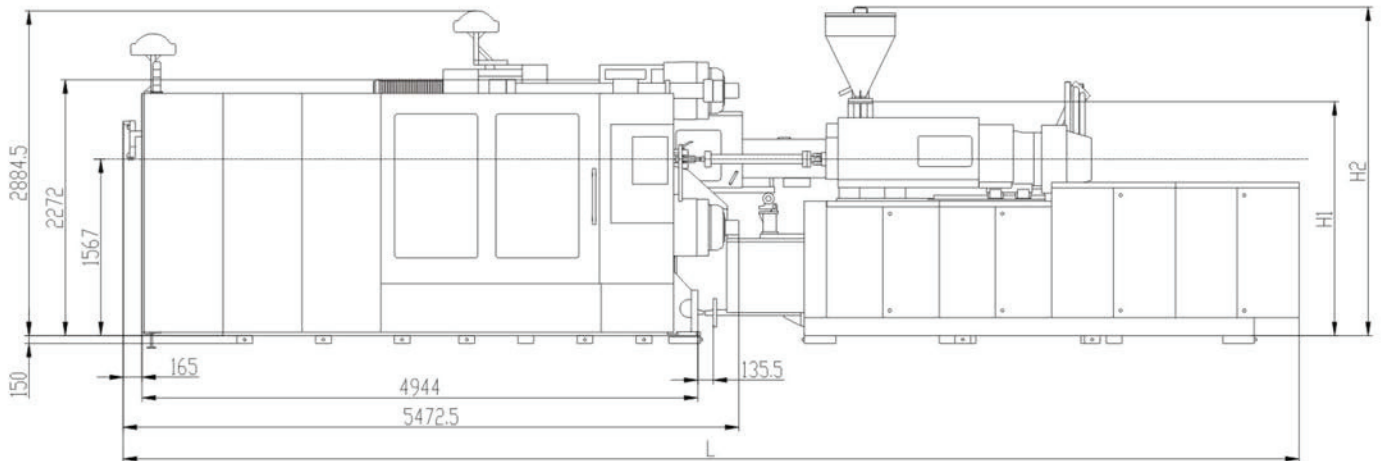
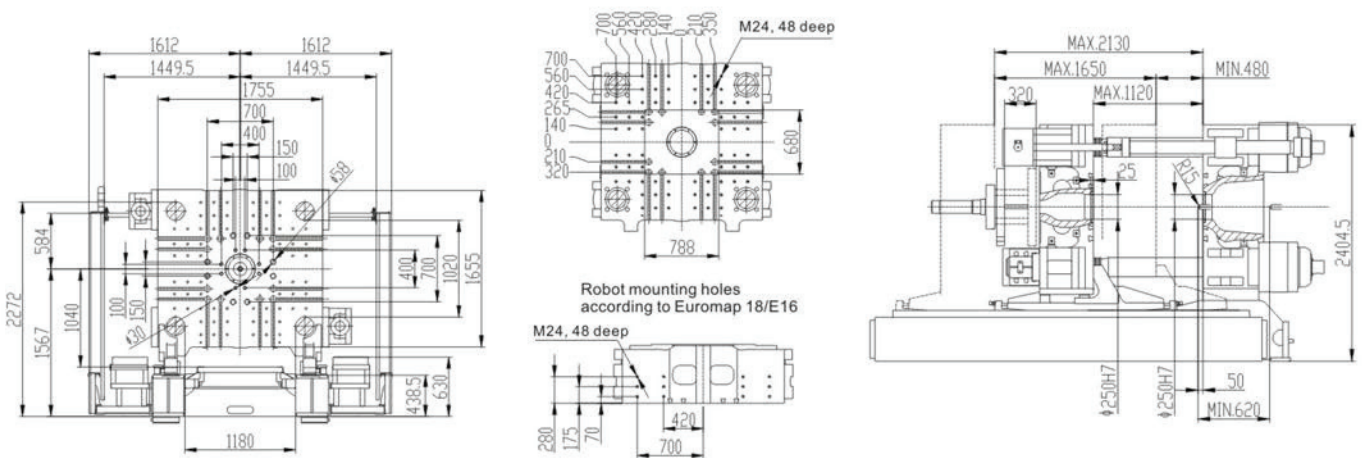


MACHINE DIMENSIONS



PLATEN DRAWINGS



UN1000DP/UN1100DP 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		6150			9000			12050			18500		
		A	B	C	A	B	C	A	B	C	A	B	C
Screw diameter	mm	92	100	108	100	108	116	116	125	135	135	145	155
Theoretical shot volume	cm ³	2892	3416	3985	4320	5040	5812	6341	7363	8588	10020	11559	13208
Shot weight	g	2660	3143	3666	3974	4636	5347	5833	6774	7901	9218	10634	12152
Injection pressure	Mpa	213	180	155	209	179	155	190	164	140	184	160	140
Screw L:D ratio	L/D	21.7	20.0	20.0	21.6	20.0	20.0	22.1	20.0	20.0	23.6	22.0	20.0
Injection rate	cm ³ /s	578	683	797	766	894	1031	913	1060	1236	1251	1444	1650
Max. injection speed	mm/s		86.9			97.6			86.4			87.4	
Screw stroke	mm		435			550			600			700	
Max. screw speed	r/min		139			128			113			118	
Screw torque	Nm		8639			11982			14769			18949	
Plasticising rate (PS)	g/s	95	156	199	150	165	215	197	261	327	208	295	343
Heating capacity	kW	47.42	47.42	51.82	46.52	46.52	51.32	66.37	66.37	70.63		98.52	
Barrel heating zone number	PCS		7			7			8			8	
Nozzle contact force	kN		178.6			263.8			263.8			296.7	
Carriage stroke	mm		730			760			760			830	

CLAMPING UNIT

Clamping force	kN												
Opening force	kN												
Platen size	mm												
Distance between tie-bars	mm												
Mould thickness	mm												
Max. opening stroke	mm												
Max. daylight	mm												
Ejector force	kN												
Ejector stroke	mm												
Ejector number	PCS												

ELECTRICAL & HYDRAULIC UNITS

System pressure	Mpa		17.5, 25		17.5, 25			17.5, 25			17.5, 25		
Motor	kW		31x2 + 39.4		55.6 + 39.4 + 31			55.6x2 + 39.4			60x3		
Pump flow	L/min		432		550			600			800		
Total power	kW	148.82	148.82	153.22	172.5	172.5	177.3	217	217	221.2			278.52

GENERAL

Oil tank capacity	L		1600		1600			1800			2500		
Dry cycle	s/mm		6-917		5.8/917			5.6/917			5.5/917		
Max. Mould weight	T		20		20			20			20		
Machine weight (clamping + injection units, without oil)	T		40+11		40+12			40+14			40+22		
Machine dimensions (LxWxH)	m		10.7x3.4x3.0		10.7x3.4x3.0			10.7x3.4x3.1			12.0x3.6x3.4		