

D1S

550T-4000T

TWO-PLATEN INJECTION MOLDING MACHINE

Yizumi Precision Molding Technology Co., Ltd.

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[DISCLAIMER]

- [2] The picture in the catalogue is for reference only. The real object should be considered as final.
- [3] The data in the catalogue is obtained from internal testing in YIZUMI laboratory. Please refer to the actual machine for the final data. YIZUMI reserves the right of final interpretation upon disputes and ambiguities.











THINK TECH FORWARD

PRODUCT DETAILS

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Based on importation and absorption of advanced German technology and years of experience in product application, we continue to move on and undertake the historic project of large-tonnage two-platen injection molding machine, striving to become a pioneer to fulfill such an innovative mission.







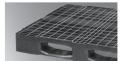
Auto bumper



Household appliance



Auto sunroc



Logistics materia



Interior tri



Auto parts



Car light

THINK TECH FORWARD

More effective

Quick response hydraulic cylinders, synchronized lock nut mechanism, differential fast mold opening, precision movable platen supports, low-resistance hydraulic circuit design and high-response servo system enable the machine to operate more efficiently and response faster.

More energy-saving

The moveable platen has zero contact with the tie bars, also the clamping cylinder is assembled on the fixed platen, thus there is little load for moveable platen and less resistance could be caused during mold opening and closing, more energy saving. What's more, new-generation oil cooling servo system and PID temperature control are equipped to make machine more energy-efficient.

Smaller footprint

Compact design, automatic tie-bar extraction device for option to ensure machine is not limited by the height of workshop.

More functions in control system

D1S series adopts Austria's KEBA control system, with double CPUs, enabling fast response and various functions. New processes like MuCell, ICM (injection compression molding), IMC (In-Mold-Coatings) can be integrated.

Shorter dry cycle

Quick response hydraulic cylinders, synchronized lock nut mechanism, fast and stable mold opening.

More stable injection precision

The full closed-loop function for injection control and PID temperature control ensure repeatability of part weight < 0.3%.

More stable

High-rigidity clamping unit, uniform stress distribution on tie bar threads, high-response dual proportional valve, smart closed-loop control, precision filter and efficient cooling system enable the machine to be more precise and stable for injection molding.

Sensitive mold protection

With the low-resistance hydraulic circuit and pressure sensor, even three pieces of A4 paper can be sensed. Low-pressure mold protection is more reliable and sensitive.

More balanced force of tie bar

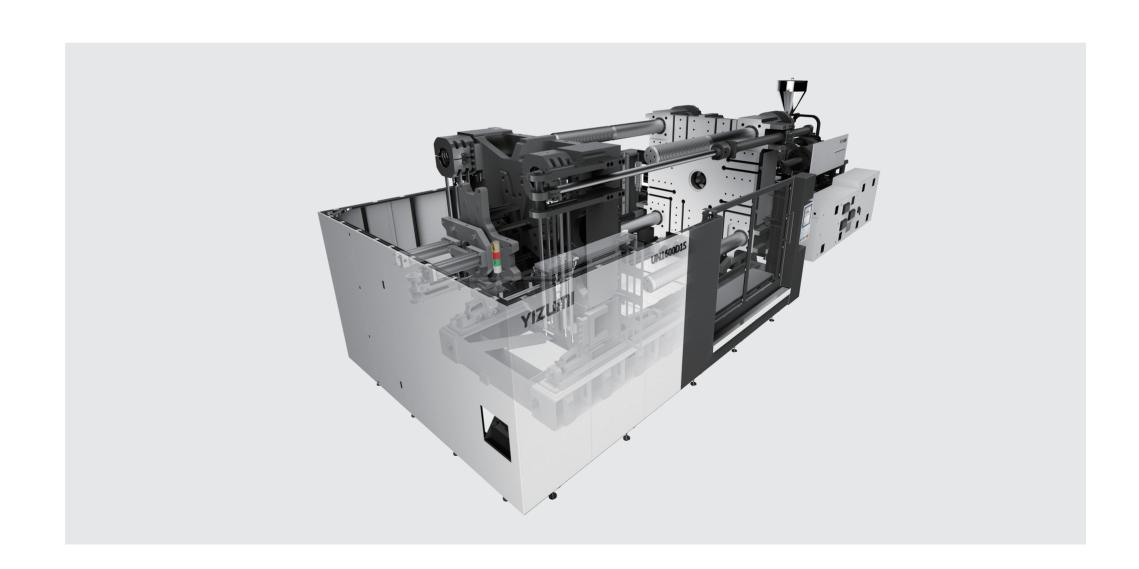
The tie bars adopt the uniform stress technology thus each thread is evenly stressed without unbalanced loading, durable and reliable. And it needs no lubrication, be cleaner

Higher repeatability of mold-open end position

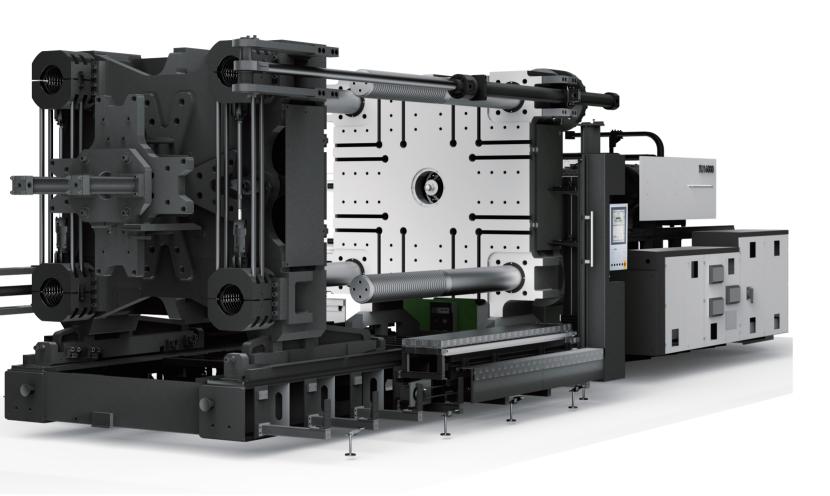
Fast response and high repeatability thanks to the high-response dual proportional valve control technology, which can meet strict requirement from automatic picking.

More energy-saving servo system

New-generation oil cooling servo system is stable, reliable and durable and characterized by high efficiency, energy saving, low noise, strong power and fast response.



CLAMPING UNIT



Short dry cycle, reliable and stable

D1S series two-platen injection molding machine, based on high-rigidity clamping unit, precision guide device, synchronized lock nut mechanism, quick response hydraulic cylinders, fast control system and controlled by high-response dual proportional valve, delivers higher movement efficiency and control stability.

Impact-proof synchronized lock nut mechanism

Impact-cushioning synchronized lock nut closing is fast and more reliable with low



Independent high-pressure cylinder

Mold opening under high pressure for standard. Large opening force can solve molding problems of deep-cavity products or car lights which are strongly coated on mold or have difficulty in mold opening.



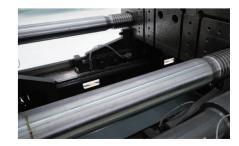
Highly-rigid accurate guide device

Long movable platen supports and L-shape guide rails on machine frame facilitate high load-bearing, guide capacity, and anti-roll adjustment.



Tie bars with uniform stress distribution

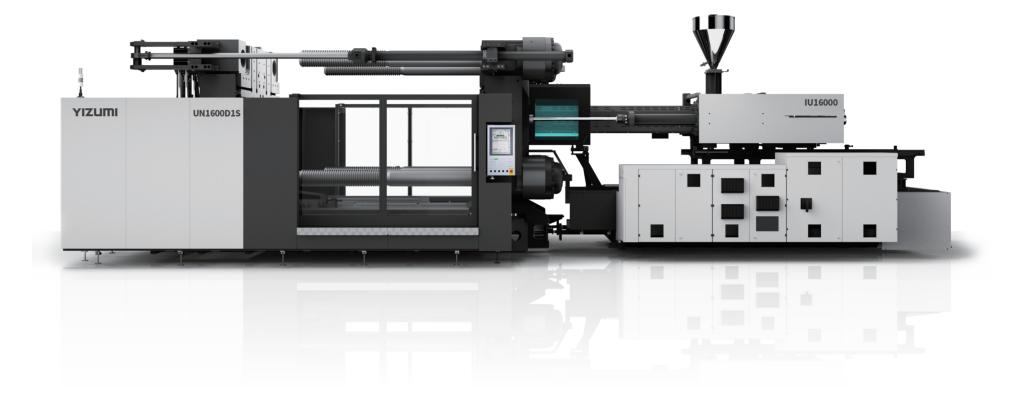
Tie bars are highly-rigid and resistant to wear and corrosion. Uniformity of stress distributed on tie bar threads is over 99% without unbalanced force, bringing durability



INJECTION UNIT

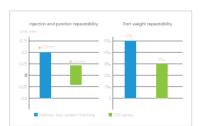
Stable injection end position High repeatability of part weight

Linear guide rails, with the benefits of low resistance and quick acceleration, are a standard feature of D1S series two-platen injection molding machine. Incorporating other features, such as ultrasonic displacement sensor for monitoring and full closed-loop injection, D1S series has achieved accurate position control and high repeatability of part weight.



Excellent injection repeatability

Repeatability of injection end position up to ± 0.2 mm or less and repeatability of part weight ≤ 0.3 %.



Integral linear guide rails for injection

Linear guide rails are a standard feature of D1S series, bringing benefits of low resistance, quick acceleration and stable injection.



Non-contacted ultrasonic displacement sensor

Ultrasonic displacement sensor for position measurement is characterized by absolute value, little signal interference, long service life and high accuracy of measurement.



Adaptive PID temperature control

With the use of durable ceramic heater bands and adaptive PID control performed by the Austrian controller, temperature control accuracy is up to ± 0.5 °C



HYDRAULIC SYSTEM



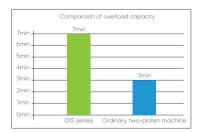
HYDRAULIC SYSTEM

Fast response, strong overloading, stability, energy conservation

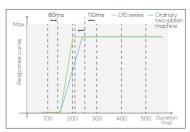
D1S series is based on a hydraulic system with stability and fast response at the core, which enables hydraulic circuit to be in optimal operating conditions. The hydraulic system is characterized by fast response, strong overload capacity and low energy consumption that meets China energy efficiency grade 1.

New-generation servo system driven by fully oil-cooled motor

The fully oil-cooled two-headed motor-driven servo system is the quintessence of highly-integrated servo pump system. It eliminates the influence of instability in machine operation due to the work environment and further reduces energy consumption of hydraulic circuit. Synchronized drive technology makes hydraulic circuit response faster and movements more efficient.



Strong overload capacity



Rapid acceleration



Durable and reliable

Precise filtration and independent cooling system

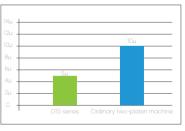
With independent hydraulic circuit filtration system, filter fineness is up to 5μ m and cooling effect is optimized, which ensure long service life of seals. Machine becomes more stable.



Good cooling effect



High filter finances



Comparison of filter finenes

Motor protected with L-shape plates

L-shape plates are easy to install and can be opened directly so that there is open space for more efficient maintenance of the drive system.



CONTROL SYSTEM

Accurate control, various functions, reliable and stable

D1S series adopts Austria's KEBA control system dedicated to two-platen injection molding machine. This powerful system can accurately control the position, pressure, speed, temperature and other parameters. The whole control system is engineered based on reliability, stability, safety and user-friendly operation for better user experience.



Stable, fast and accurate control

- ▶ D1S series injection molding machine adopts Austria's KEBA control system, with double CPUs, 1ms of response time and high reliability.
- ► Fast mold opening and closing and high repeatability thanks to the high-response dual proportional valve control technology.
- ▶ Servo injection (closed-loop control of injection, plasticizing, holding pressure and back pressure)
- ▶ Self-tuning of temperature parameters of barrel and hot runner makes temperature control more accurate.

Various functions

- ► Memory of alarm and process parameter change, USB expansion without limit
- ▶ Programming with no restrictions, record of process parameter change curve is available
- ▶ Production process data control (PDP) and statistical process control (SPC)
- ▶ Multi-level user access to protect system and data
- ► Multiple protections of equipment and people through software and hardware
- ▶ New processes like MuCell, ICM, IMC can be integrated

Humanized design, easy to operate

- ▶ Real-time remote control and maintenance
- ▶ Online conversion of languages and units
- Quick input by means of graph and virtual keyboard
- Quick settings page for easy and convenient process parameter setting



IP54 electrical enclosure

The electrical enclosure is designed with IP54 rating, resistance to water and dust and good cooling effect, so that the electrical system is more stable in operation.



Separate connecter module for auxiliary equipment

External separate power control without opening the electrical cabinet makes operation safer and more convenient.



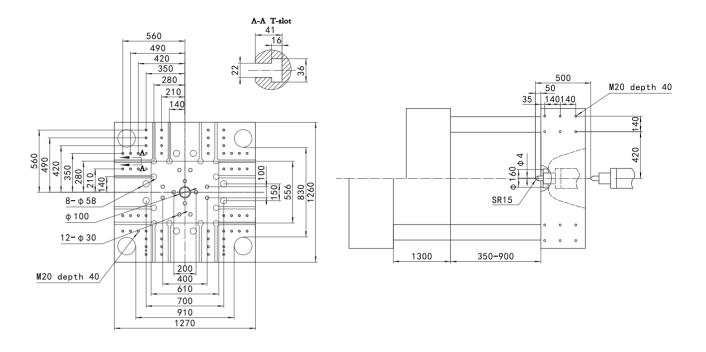
Euromap-based robot interface

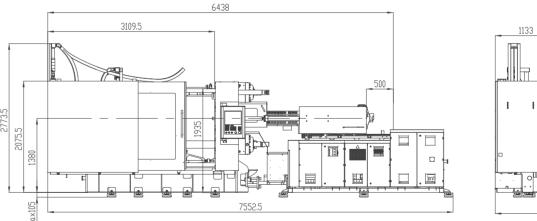
Euromap 12 robot interface is a standard feature, meeting customer's need for safer connection.

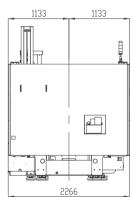
Model	UN550D1S										
					INJECT	TION UI	VIT				
			IU2695			IU3500			IU4	800	
Screw diameter	mm	68	76	84	76	84	92	84	92	100	108
Theoretical shot volume	cm ³	1198	1497	1829	1678	2050	2460	2217	2659	3142	3664
Shot weight	9	1103	1377	1682	1544	1886	2263	2039	2446	2890	3371
Injection pressure	MPa	225	180	147	209	170	143	218	181	154	134
L/D ratio	L/D	22.3	20	20	22.1	20	20	21.9	20	21.6	20
Injection rate	cm³/s	407	508	621	463	565	678	560	671	793	925
Max. injection speed	mm/s		112			102			10	01	
Screw stroke	mm		330			370			40	00	
Max. screw speed	r/min		197			157			16	56	
Barrel heating zone	PCS		6			6			(5	
					CLAMF	PING UI	VIT				
Clamping force	kN				į	5500					
Opening force	kN					390					
Platen size	mm		1270×1260								
Space between tie bars	mm				91	0×830					
Max. mold thickness	mm					900					
Min. mold thickness	mm					350					
Opening stroke	mm				130	00/750					
Max. daylight	mm					1650					
Ejector force	kN					110					
Ejector stroke	mm					250					
Ejector number	PCS					21					
					POW	ER UNI	T				
System pressure	MPa		17.5/30			17.5/30			17.5	5/30	
Pump motor	kW		60+5.5 60+5.5						66-	+5.5	
Total power	kW	91.9	91.9	96.4	98.6	98.6	101.7	108.6	108.6	118.5	118.5
Heater power	kW	26.4	26.4	30.9	33.1	33.1	36.2	37.14	37.14	47	47
					GEI	NERAL					
Oil tank capacity	L		640 640						8	20	
Machine dimensions	m	7	.5×2.3×2	.8	7.	.5×2.3×2	2.8		8.2×2	.4×2.8	
Max. mold weight	Ton		8 8							8	

- Opening force refers to mold opening force generated during high-pressure mold open.
 In the case of opening stroke, data before the slash refer to mold opening stroke with minimum mold height and opening stroke with maximum mold height.
- 3. Mold-bearing capacity of the movable platen is 2/3 of total mold weight.
- 4. The shot weight is calculated by GPPS and it is 0.92 times of the theoretical shot volume.
- 5. The medium screw diameter is standard on the machine.
- 6. The injection unit data are in international units and calculated as follows: theoretical shot volume [cm3] × injection pressure (MPa)/100
- 7. The green figures are standard specifications of clamping unit and injection unit.
- 8. Because of constant technical improvement, the machine specifications are subject to change without notice.

Platen Dimensions



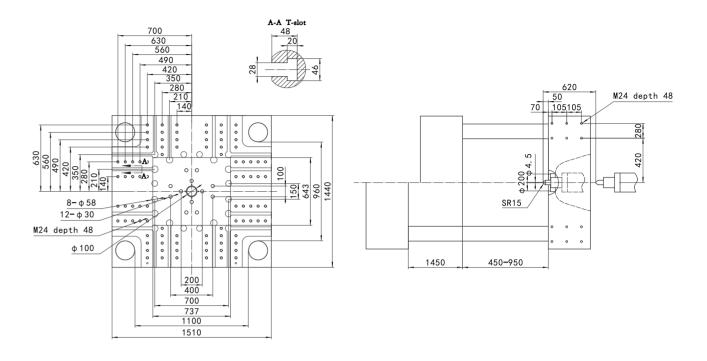


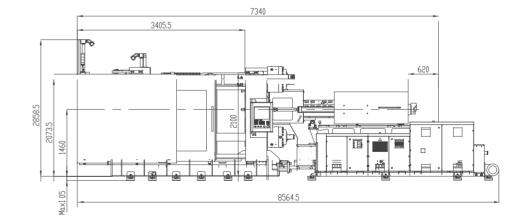


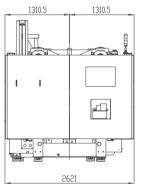
Model	UN750D1S											
					11	NJECTI	ON UN	IIT				
			IU3500			IU4	800			IU6	800	
Screw diameter	mm	76	84	92	84	92	100	108	92	100	108	116
Theoretical shot volume	cm³	1678	2050	2460	2217	2659	3142	3664	3191	3770	4397	5073
Shot weight	9	1544	1886	2263	2039	2446	2890	3371	2936	3468	4045	4667
Injection pressure	MPa	209	170	143	218	181	154	134	213	180	154	134
L/D ratio	L/D	22.1	20	20	21.9	20	21.6	20	21.7	22	21.5	20
Injection rate	cm³/s	463	565	678	560	671	793	925	665	785	916	1057
Max. injection speed	mm/s		102			10	01			10	00	
Screw stroke	mm		370			40	00			48	30	
Max. screw speed	r/min		157			16	66			15	56	
Barrel heating zone	PCS		6			(5			-	7	
					C	CLAMPI	NG UN	IIT				
Clamping force	kN		7500									
Opening force	kN		500									
Platen size	mm		1510×1440									
Space between tie bars	mm					1100	×960					
Max. mold thickness	mm					9!	50					
Min. mold thickness	mm					4!	50					
Opening stroke	mm					1450	/950					
Max. daylight	mm					19	00					
Ejector force	kN					11	0					
Ejector stroke	mm					2	50					
Ejector number	PCS					2	21					
						POWE	R UNIT					
System pressure	MPa		17.5/30			17.5	5/30			17.5	5/30	
Pump motor	kW	60+5.5 66+5.5 89+7.5										
Total power	kW	98.6	98.6 98.6 101.7 108.6 108.6 118.5 118.5 143.5 143							143.5	153.1	153.1
Heater power	kW	33.1	33.1	36.2	37.14	37.14	47	47	47	47	56.6	56.6
						GEN	ERAL					
Oil tank capacity	L		640			8:	20			9	70	
Machine dimensions	m	7	'.9×2.6×2	2.9		8.6×2	.6×2.9			8.8×2	.7×2.9	
Max. mold weight	Ton	11 11 11										

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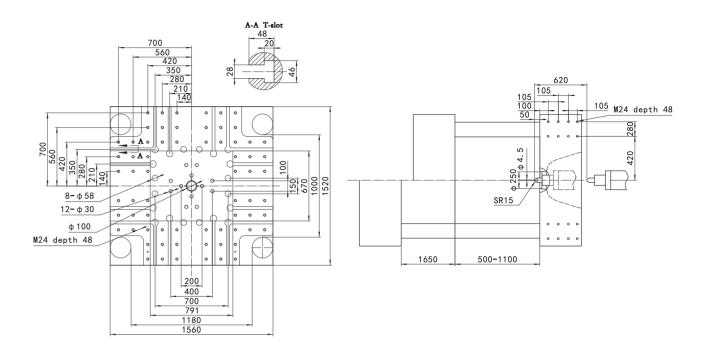


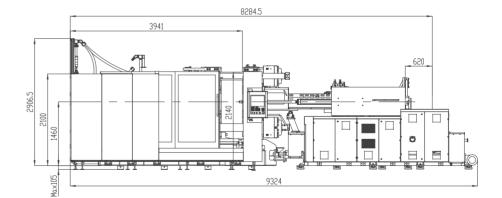


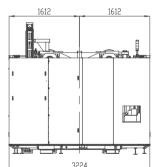
Model	UN900D1S																			
						IN	JECTI	ON UN	IIT											
			IU480	00			IU6	800			IU93	300								
Screw diameter	mm	84	92	100	108	92	100	108	116	100	108	116	125							
Theoretical shot volume	cm³	2217	2659	3142	3664	3191	3770	4397	5073	4320	5038	5813	6750							
Shot weight	9	2039	2446	2890	3371	2936	3468	4045	4667	3974	4635	5348	6210							
Injection pressure	MPa	218	181	154	134	213	180	154	134	215	184	160	138							
L/D ratio	L/D	21.9	20	21.6	20	21.7	22	21.5	20	21.6	20	21.6	20							
Injection rate	cm³/s	560	671	793	925	665	785	916	1057	801	934	1078	1252							
Max. injection speed	mm/s		10)1			10	00			10	12								
Screw stroke	mm		40	00			48	80			55	50								
Max. screw speed	r/min		16	6			15	56			12	18								
Barrel heating zone	PCS		6)			-	7			7	7								
						С	LAMPI	NG UN	IIT											
Clamping force	kN						90	000												
Opening force	kN						64	40												
Platen size	mm		1560×1520																	
Space between tie bars	mm						1180>	<1000												
Max. mold thickness	mm						11	00												
Min. mold thickness	mm						50	00												
Opening stroke	mm						1650	/1050												
Max. daylight	mm						21	50												
Ejector force	kN						2:	20												
Ejector stroke	mm						32	20												
Ejector number	PCS						2	21												
							POWE	R UNIT												
System pressure	MPa		17.5	/30			17.5	5/30			17.5	/30								
Pump motor	kW		66+	5.5	89+7.5 110+7.5															
Total power	kW	108.6	108.6	118.5	5 118.5 143.5 143.5 153.1 153.1 169.3 169.3 178.4 178.4						178.4									
Heater power	kW	37.14	37.14	47	47	47	47	56.6	56.6	51.76	51.76	60.9	60.9							
							GEN	ERAL												
Oil tank capacity	L		82	20			9	70			115	50								
Machine dimensions	m		9.1×3.	3×2.9			9.3×3	.3×2.9			9.5×3.	3×2.9								
Max. mold weight	Ton		10	3	13 13															

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Platen Dimensions

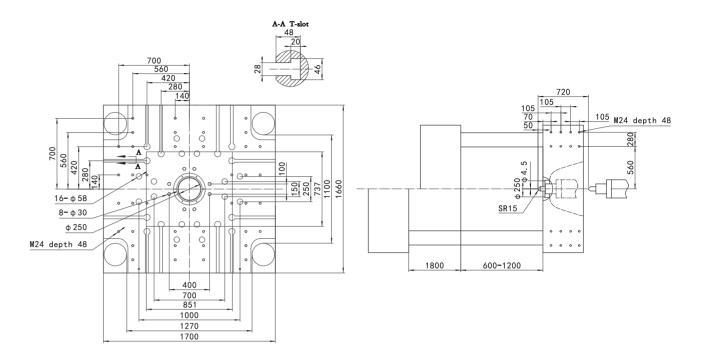


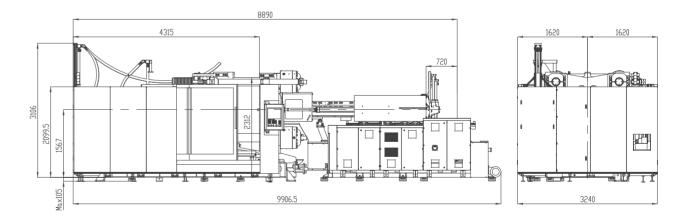




Model							UN110	00D1S					
						IN	IJECTI	ON UN	IIT				
			IU68	00			IU9	300			IU11:	300	
Screw diameter	mm	92	100	108	116	100	108	116	125	108	116	125	135
Theoretical shot volume	cm ³	3191	3770	4397	5073	4320	5038	5813	6750	5222	6024	6995	8159
Shot weight	9	2936	3468	4045	4667	3974	4635	5348	6210	4804	5542	6435	7506
Injection pressure	MPa	213	180	154	134	215	184	160	138	216	187	162	139
L/D ratio	L/D	21.7	22	21.5	20	21.6	20	21.6	20	22	22	21.6	20
Injection rate	cm³/s	665	785	916	1057	801	934	1078	1252	864	997	1157	1350
Max. injection speed	mm/s		10	10			10	02			94	.3	
Screw stroke	mm		48	30			5!	50			57	70	
Max. screw speed	r/min		15	6			12	28			11	2	
Barrel heating zone	PCS		7	7				7			8	3	
						С	LAMPI	NG UN	IJΤ				
Clamping force	kN						110	000					
Opening force	kN						70	60					
Platen size	mm		1700×1660										
Space between tie bars	mm						1270	×1100					
Max. mold thickness	mm						12	00					
Min. mold thickness	mm						60	00					
Opening stroke	mm						1800	/1200					
Max. daylight	mm						24	100					
Ejector force	kN						2	74					
Ejector stroke	mm						30	60					
Ejector number	PCS						2	25					
							POWE	R UNIT	Г				
System pressure	MPa		17.5	/30			17.5	5/30			17.5	/30	
Pump motor	kW		89+7.5 110+7.5 89+37+7.5										
Total power	kW	143.5	143.5	3.5 153.1 169.3 169.3 178.4 178.4 199.9 199.9 204.1 204.1							204.1		
Heater power	kW	47	47	56.6	56.6	51.76	51.76	60.9	60.9	66.37	66.37	70.63	70.63
							GEN	ERAL					
Oil tank capacity	L		97	70			11	50			12	70	
Machine dimensions	m		9.8×3.	.3×3.1			9.9×3	3.3×3.1			10.5×3	3.3×3.1	
Max. mold weight	Ton	16 16 16											

Platen Dimensions





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 In the case of opening stroke, data before the slash refer to mold opening stroke with minimum mold height and opening stroke with maximum mold height.

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^{6.} The injection unit data are in international units and calculated as follows: theoretical shot volume [cm3] × injection pressure (MPa)/100

^{7.} The green figures are standard specifications of clamping unit and injection unit.

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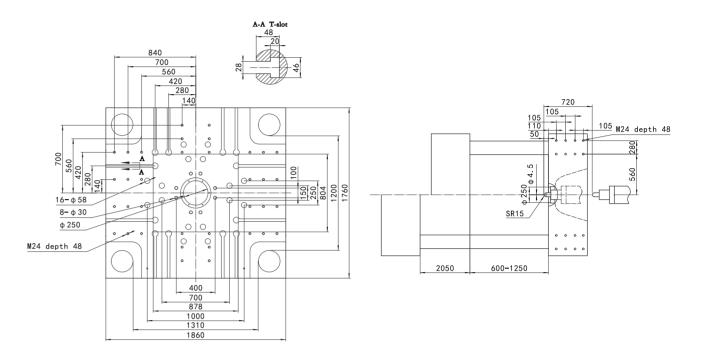
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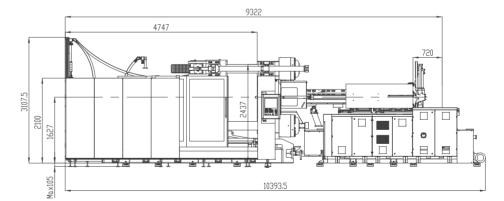
SPECIFICATIONS

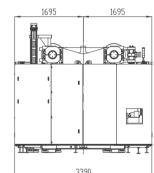
Model		UN1200D1S											
						IN	IJECTI	ON UN	IIT				
			IU68	00			IU9	300			IU11	300	
Screw diameter	mm	92	100	108	116	100	108	116	125	108	116	125	135
Theoretical shot volume	cm ³	3191	3770	4397	5073	4320	5038	5813	6750	5222	6024	6995	8159
Shot weight	9	2936	3468	4045	4667	3974	4635	5348	6210	4804	5542	6435	7506
Injection pressure	MPa	213	180	154	134	215	184	160	138	216	187	162	139
L/D ratio	L/D	21.7	22	21.5	20	21.6	20	21.6	20	22	22	21.6	20
Injection rate	cm³/s	665	785	916	1057	801	934	1078	1252	864	997	1157	1350
Max. injection speed	mm/s		10	0			10	02			94	.3	
Screw stroke	mm		48	80			5!	50			57	70	
Max. screw speed	r/min		15	6			12	28			11	2	
Barrel heating zone	PCS		7	7				7			8	3	
						С	LAMPI	NG UN	IIT				
Clamping force	kN						120	000					
Opening force	kN						8	75					
Platen size	mm		1860×1760										
Space between tie bars	mm						1310>	<1200					
Max. mold thickness	mm						12	50					
Min. mold thickness	mm						60	00					
Opening stroke	mm						2050	/1400					
Max. daylight	mm						26	50					
Ejector force	kN						2	74					
Ejector stroke	mm						30	60					
Ejector number	PCS						2	25					
							POWE	R UNIT					
System pressure	MPa		17.5	/30			17.5	5/30			17.5	/30	
Pump motor	kW		89+	7.5	110+7.5 89+37+7.5								
Total power	kW	143.5	143.5	153.1	153.1 169.3 169.3 178.4 178.4 199.9 199.9 204.1 204.						204.1		
Heater power	kW	47	47	56.6	56.6	51.76	51.76	60.9	60.9	66.37	66.37	70.63	70.63
							GEN	ERAL					
Oil tank capacity	L		97	0			11	50			12	70	
Machine dimensions	m		10.3×3	.4×3.1			10.4×3	3.4×3.1			11×3.	4×3.1	
Max. mold weight	Ton		2	0			2	20			2	0	

- Opening force refers to mold opening force generated during high-pressure mold open.
 In the case of opening stroke, data before the slash refer to mold opening stroke with minimum mold height and opening stroke with maximum mold height.
- 3. Mold-bearing capacity of the movable platen is 2/3 of total mold weight.
- 4. The shot weight is calculated by GPPS and it is 0.92 times of the theoretical shot volume.
- 5. The medium screw diameter is standard on the machine.
- 6. The injection unit data are in international units and calculated as follows: theoretical shot volume [cm3] × injection pressure (MPa)/100
- 7. The green figures are standard specifications of clamping unit and injection unit.
- 8. Because of constant technical improvement, the machine specifications are subject to change without notice.

Platen Dimensions







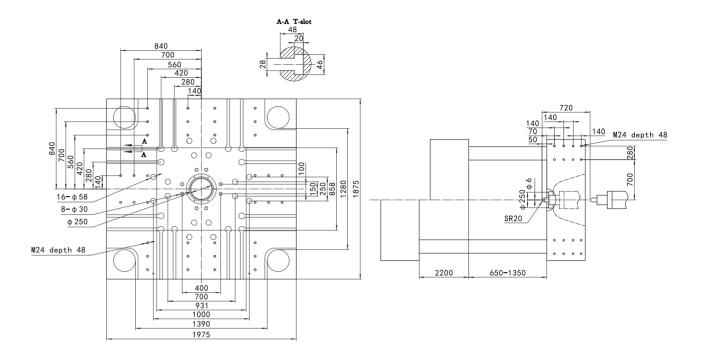
22

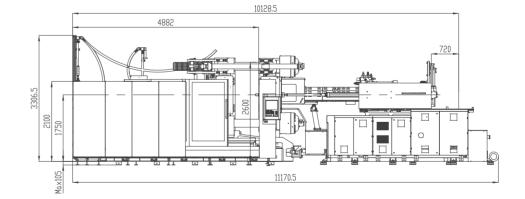
SPECIFICATIONS

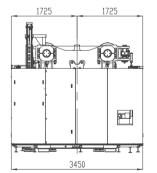
Model	UN1300D1S												
							IN	JECTI	ON UN	IIT			
			IU930	00				IU11	300			IU16000)
Screw diameter	mm	100	108	116	125		108	116	125	135	125	135	145
Theoretical shot volume	cm³	4320	5038	5813	6750		5222	6024	6995	8159	7977	9304	10733
Shot weight	9	3974	4635	5348	6210		4804	5542	6435	7506	7339	8560	9875
Injection pressure	MPa	215	184	160	138		216	187	162	139	199	172	149
L/D ratio	L/D	21.6	20	21.6	20		22	22	21.6	20	23.6	22	20
Injection rate	cm³/s	801	934	1078	1252		864	997	1157	1350	1313	1532	1767
Max. injection speed	mm/s		10	2				94	1.3			107	
Screw stroke	mm		55	0				57	70			650	
Max. screw speed	r/min		12	8				11	12			120	
Barrel heating zone	PCS		7	,				-	7			8	
							CI	LAMPII	NG UN	IIT			
Clamping force	kN							130	000				
Opening force	kN		875										
Platen size	mm							1975	×1875				
Space between tie bars	mm							1390	×1280				
Max. mold thickness	mm							13	50				
Min. mold thickness	mm							65	50				
Opening stroke	mm							2200	/1500				
Max. daylight	mm							28	50				
Ejector force	kN							2	74				
Ejector stroke	mm							30	60				
Ejector number	PCS							2	!5				
							- 1	POWE	R UNIT				
System pressure	MPa		17.5	/30				17.5	5/30			17.5/30	
Pump motor	kW		110+	0+7.5 89+37+7.5 89+66+11						11			
Total power	kW	169.3	169.3	178.4	178.4		199.9	199.9	204.1	204.1		253.7	
Heater power	kW	51.76	51.76	60.9	60.9		66.37	66.37	70.63	70.63		87.7	
								GEN	ERAL				
Oil tank capacity	L		115	50				12	70			1600	
Machine dimensions	m		10.5×3	.5×3.3				11.2×3	.5×3.3		11.	7×3.5×3	3.3
Max. mold weight	Ton		23	23 23 23									

- Opening force refers to mold opening force generated during high-pressure mold open.
 In the case of opening stroke, data before the slash refer to mold opening stroke with minimum mold height and opening stroke with maximum mold height.
- 3. Mold-bearing capacity of the movable platen is 2/3 of total mold weight.
- 4. The shot weight is calculated by GPPS and it is 0.92 times of the theoretical shot volume.
- 5. The medium screw diameter is standard on the machine.
- 6. The injection unit data are in international units and calculated as follows: theoretical shot volume [cm3] × injection pressure (MPa)/100
- 7. The green figures are standard specifications of clamping unit and injection unit.
- 8. Because of constant technical improvement, the machine specifications are subject to change without notice.

Platen Dimensions



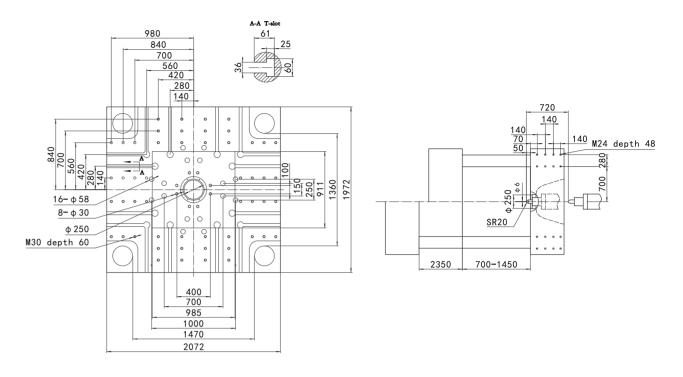


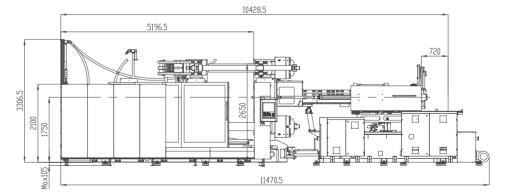


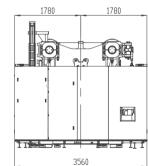
Model	UN1400D1S													
							IN	JECTI(ON UN	IIT				
			IU930	00				IU11	300				U16000)
Screw diameter	mm	100	108	116	125		108	116	125	135		125	135	145
Theoretical shot volume	cm ³	4320	5038	5813	6750		5222	6024	6995	8159		7977	9304	10733
Shot weight	9	3974	4635	5348	6210		4804	5542	6435	7506		7339	8560	9875
Injection pressure	MPa	215	184	160	138		216	187	162	139		199	172	149
L/D ratio	L/D	21.6	20	21.6	20		22	22	21.6	20		23.6	22	20
Injection rate	cm³/s	801	934	1078	1252		864	997	1157	1350		1313	1532	1767
Max. injection speed	mm/s		10	2				94	1.3				107	
Screw stroke	mm		55	550 570 650							650			
Max. screw speed	r/min		12	8				11	12				120	
Barrel heating zone	PCS		7	,				8	3				8	
							С	LAMPI	NG UN	IIT				
Clamping force	kN			14000										
Opening force	kN		950											
Platen size	mm							2072	×1972					
Space between tie bars	mm							1470	×1360					
Max. mold thickness	mm							14	50					
Min. mold thickness	mm							70	00					
Opening stroke	mm							2350	/1600					
Max. daylight	mm							30	50					
Ejector force	kN							30	00					
Ejector stroke	mm							40	00					
Ejector number	PCS							2	.5					
								POWE	R UNIT	•				
System pressure	MPa		17.5	/30				17.5	3/30				17.5/30	
Pump motor	kW		110+	10+7.5 89+37+7.5 89+66+11						11				
Total power	kW	169.3	169.3	178.4	178.4 178.4 199.9 199.9 204.1 204.1 253.7									
Heater power	kW	51.76	51.76	60.9	60.9		66.37	66.37	70.63	70.63			87.7	
								GEN	ERAL					
Oil tank capacity	L		115	50				12	70				1600	
Machine dimensions	m		10.8×3	.6×3.3				11.5×3	.6×3.3			12	2×3.6×3	.3
Max. mold weight	Ton		27 27 27											

- Opening force refers to mold opening force generated during high-pressure mold open.
 In the case of opening stroke, data before the slash refer to mold opening stroke with minimum mold height and opening stroke with maximum mold height.
- 3. Mold-bearing capacity of the movable platen is 2/3 of total mold weight.
- 4. The shot weight is calculated by GPPS and it is 0.92 times of the theoretical shot volume.
- 5. The medium screw diameter is standard on the machine.
- 6. The injection unit data are in international units and calculated as follows: theoretical shot volume [cm3] × injection pressure (MPa)/100
- 7. The green figures are standard specifications of clamping unit and injection unit.
- 8. Because of constant technical improvement, the machine specifications are subject to change without notice.

Platen Dimensions







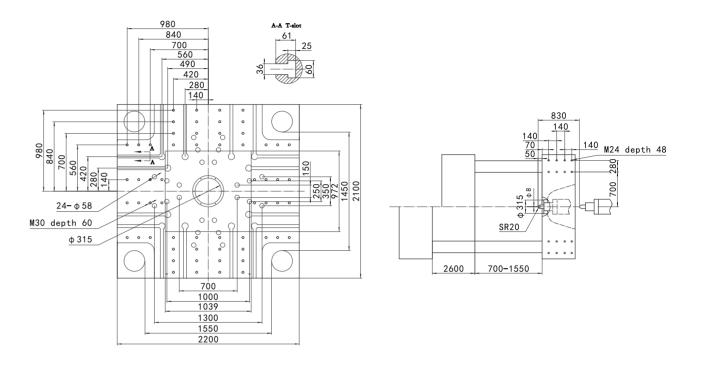
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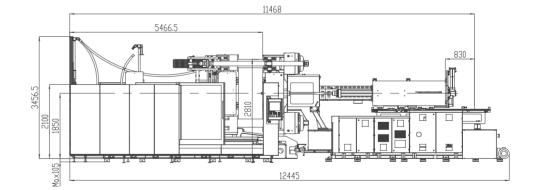
SPECIFICATIONS

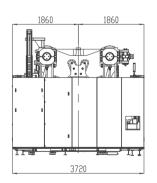
Model						UN	11600E)1S				
						INJE	CTION	UNIT				
			IU11	1300			IU16000)		IU200	000	
Screw diameter	mm	108	116	125	135	125	135	145	135	145	155	165
Theoretical shot volume	cm ³	5222	6024	6995	8159	7977	9304	10733	10020	11559	13208	14968
Shot weight	9	4804	5542	6435	7506	7339	8560	9875	9218	10634	12152	13770
Injection pressure	MPa	216	187	162	139	199	172	149	199	173	151	133
L/D ratio	L/D	22	22	21.6	20	23.6	22	20	23.6	22	22	20
Injection rate	cm³/s	864	997	1157	1350	1313	1532	1767	1368	1579	1804	2044
Max. injection speed	mm/s		94	4.3			107			95	5.6	
Screw stroke	mm		5	70			650			70	00	
Max. screw speed	r/min		1	12			120			12	20	
Barrel heating zone	PCS			8			8			8	3	
						CLAN	MPING	UNIT				
Clamping force	kN						16000					
Opening force	kN						1100					
Platen size	mm					22	200×210	00				
Space between tie bars	mm					15	550×145	50				
Max. mold thickness	mm						1550					
Min. mold thickness	mm						700					
Opening stroke	mm					2	600/175	50				
Max. daylight	mm						3300					
Ejector force	kN						300					
Ejector stroke	mm						400					
Ejector number	PCS						25					
						PO	WER U	NIT				
System pressure	MPa		17.5	5/30			17.5/30			17.5	/30	
Pump motor	kW		89+3	37+7.5		8	39+66+	11		89+6	6+11	
Total power	kW	199.9	199.9	204.1	204.1		253.7			263	3.8	
Heater power	kW	66.37	66.37	70.63	70.63		87.7			97	'.8	
						G	ENERA	AL.				
Oil tank capacity	L		12	270			1600			160	00	
Machine dimensions	m		11.8×3	3.7×3.5		12.	5×3.7×	3.5		12.5×3	.7×3.5	
Max. mold weight	Ton		3	34			34			3	4	

- Opening force refers to mold opening force generated during high-pressure mold open.
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- 3. Mold-bearing capacity of the movable platen is 2/3 of total mold weight.
- 4. The shot weight is calculated by GPPS and it is 0.92 times of the theoretical shot volume.
- 5. The medium screw diameter is standard on the machine.
- 6. The injection unit data are in international units and calculated as follows: theoretical shot volume [cm3] × injection pressure (MPa)/100
- 7. The green figures are standard specifications of clamping unit and injection unit.
- 8. Because of constant technical improvement, the machine specifications are subject to change without notice.

Platen Dimensions



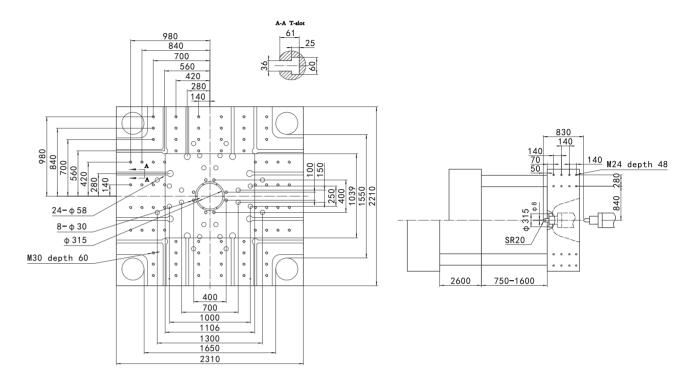


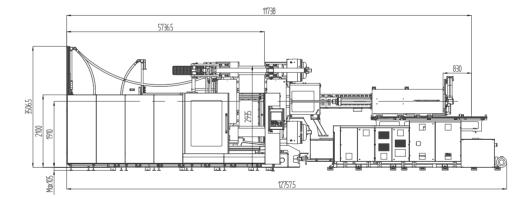


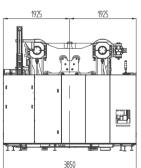
Model							UN	11850D	1S				
							INJE	CTION	UNIT				
			IU11	300				U16000			IU200	000	
Screw diameter	mm	108	116	125	135		125	135	145	135	145	155	165
Theoretical shot volume	cm³	5222	6024	6995	8159		7977	9304	10733	10020	11559	13208	14968
Shot weight	9	4804	5542	6435	7506		7339	8560	9875	9218	10634	12152	13770
Injection pressure	MPa	216	187	162	139		199	172	149	199	173	151	133
L/D ratio	L/D	22	22	21.6	20		23.6	22	20	23.6	22	22	20
Injection rate	cm³/s	864	997	1157	1350		1313	1532	1767	1368	1579	1804	2044
Max. injection speed	mm/s		94	1.3				107			95	.6	
Screw stroke	mm		5	70				650			70	00	
Max. screw speed	r/min		1	12				120			12	10	
Barrel heating zone	PCS		8	3				8			8	3	
							CLAN	1PING	UNIT				
Clamping force	kN							18500					
Opening force	kN							1230					
Platen size	mm						2	310×221	0				
Space between tie bars	mm						16	550×155	0				
Max. mold thickness	mm							1600					
Min. mold thickness	mm							750					
Opening stroke	mm						2	600/175	50				
Max. daylight	mm							3350					
Ejector force	kN							460					
Ejector stroke	mm							430					
Ejector number	PCS							33					
							PO	WER U	NIT				
System pressure	MPa		17.5	5/30				17.5/30			17.5	/30	
Pump motor	kW		89+3	7+7.5			8	89+66+1	1		89+6	6+11	
Total power	kW	199.9	199.9	204.1	204.1			253.7			263	3.8	
Heater power	kW	66.37	66.37	70.63	70.63			87.7			97	.8	
							G	ENERA	L				
Oil tank capacity	L		12	70				1600			160	00	
Machine dimensions	m		12.1×3.9×3.5					8×3.9×0	3.5		12.8×3	.9×3.5	
Max. mold weight	Ton		42								4	2	

- Opening force refers to mold opening force generated during high-pressure mold open.
 In the case of opening stroke, data before the slash refer to mold opening stroke with minimum mold height and opening stroke with maximum mold height.
- 3. Mold-bearing capacity of the movable platen is 2/3 of total mold weight.
- 4. The shot weight is calculated by GPPS and it is 0.92 times of the theoretical shot volume.
- 5. The medium screw diameter is standard on the machine.
- 6. The injection unit data are in international units and calculated as follows: theoretical shot volume [cm3] × injection pressure (MPa)/100
- 7. The green figures are standard specifications of clamping unit and injection unit.
- 8. Because of constant technical improvement, the machine specifications are subject to change without notice.

Platen Dimensions



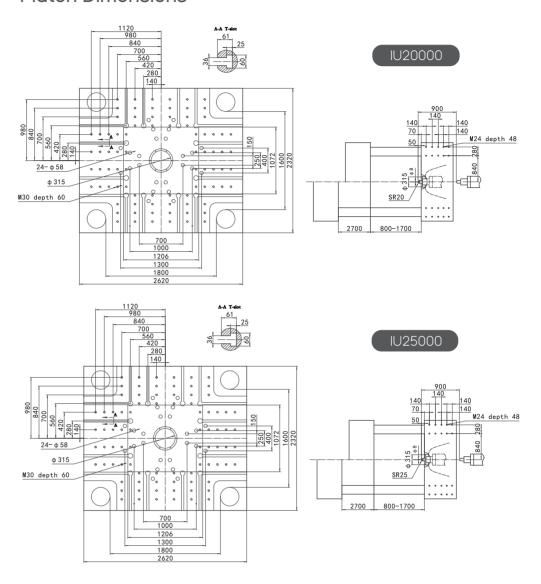


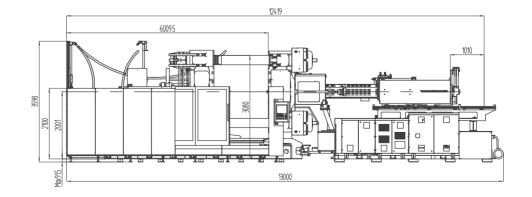


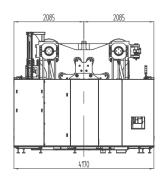
Model	UN2100D1S										
					11	NJECTI	ON UNI	Т			
			IU16000			IU20	000		IU2	5000	
Screw diameter	mm	125	135	145	135	145	155	165	155	165	
Theoretical shot volume	cm ³	7977	9304	10733	10020	11559	13208	14968	14152	16037	
Shot weight	g	7339	8560	9875	9218	10634	12152	13770	13020	14754	
Injection pressure	MPa	199	172	149	199	173	151	133	175	154	
L/D ratio	L/D	23.6	22	20	23.6	22	22	20	22	20.1	
Injection rate	cm³/s	1313	1532	1767	1368	1579	1804	2044	1472	1668	
Max. injection speed	mm/s		107			9!	5.6		-	78	
Screw stroke	mm		650			7	00		7	50	
Max. screw speed	r/min		120			1:	20		1	14	
Barrel heating zone	PCS		8				8			10	
					C	LAMPI	NG UNI	Т			
Clamping force	kN					210	000				
Opening force	kN		1380								
Platen size	mm		2620×2320								
Space between tie bars	mm					1800	×1600				
Max. mold thickness	mm					17	00				
Min. mold thickness	mm					80	00				
Opening stroke	mm					2700	/1800				
Max. daylight	mm					35	00				
Ejector force	kN					4	60				
Ejector stroke	mm					4:	30				
Ejector number	PCS					2	.5				
						POWE	R UNIT				
System pressure	MPa		17.5/30			17.5	5/30		17.5	5/30	
Pump motor	kW		89+66+11 89+66+11 8							66+11	
Total power	kW		253.7 263.8 278							8.4	
Heater power	kW		87.7			9	7.8		11	2.4	
						GEN	ERAL				
Oil tank capacity	L		1600			16	00		16	000	
Machine dimensions	m		13×4.2×3.5	5		13×4.	2×3.5		13×4	.2×3.5	
Max. mold weight	Ton		50			5	50		Ę	50	

- Opening force refers to mold opening force generated during high-pressure mold open.
 In the case of opening stroke, data before the slash refer to mold opening stroke with minimum mold height and opening stroke with maximum mold height.
- 3. Mold-bearing capacity of the movable platen is 2/3 of total mold weight.
- 4. The shot weight is calculated by GPPS and it is 0.92 times of the theoretical shot volume.
- 5. The medium screw diameter is standard on the machine.
- 6. The injection unit data are in international units and calculated as follows: theoretical shot volume [cm3] × injection pressure (MPa)/100
- 7. The green figures are standard specifications of clamping unit and injection unit.
- 8. Because of constant technical improvement, the machine specifications are subject to change without notice.

Platen Dimensions







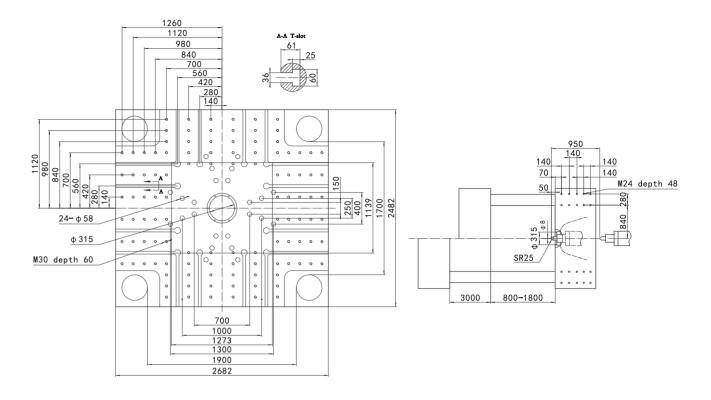
32

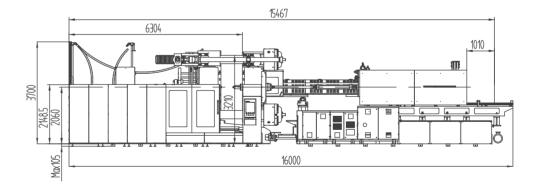
SPECIFICATIONS

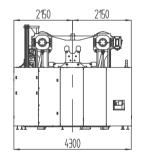
Model	UN2400D1S									
				INJECTIO	ON UNIT					
		IU250	000	IU40	000	IU55600				
Screw diameter	mm	155	165	165	185	200				
Theoretical shot volume	cm³	14152	16037	20955	26343	35186				
Shot weight	g	13020	14754	19278	24235	32371				
Injection pressure	MPa	175	154	190	151	158				
L/D ratio	L/D	22	20.1	24	22	22				
Injection rate	cm³/s	1472	1668	1614	2029	2482				
Max. injection speed	mm/s	78		75.	.5	79				
Screw stroke	mm	750)	0	1120					
Max. screw speed	r/min	114		80)	85				
Barrel heating zone	PCS	10			9					
Clamping force	kN									
Opening force	kN		1640							
Platen size	mm			2682×	2482					
Space between tie bars	mm			1900×	1700					
Max. mold thickness	mm			180	00					
Min. mold thickness	mm			80	0					
Opening stroke	mm			3000/	2000					
Max. daylight	mm			380	00					
Ejector force	kN			46	0					
Ejector stroke	mm			43	0					
Ejector number	PCS			25	5					
				POWER	RUNIT					
System pressure	MPa	17.5/	30	17.5/	/30	17.5/30				
Pump motor	kW	89+66	5+11	110+8	9+11	110+89+55.6+11				
Total power	kW	278	.4	357	7.5	458.6				
Heater power	kW	112.	4	147	' .5	193				
				GENE	ERAL					
Oil tank capacity	L	160	0	210	00	3200				
Machine dimensions	m	13.3×4.	3×3.7	16×4.3	3×3.7	16.5×4.3×3.7				
Max. mold weight	Ton	59		59	9	59				

- Opening force refers to mold opening force generated during high-pressure mold open.
 In the case of opening stroke, data before the slash refer to mold opening stroke with minimum mold height and opening stroke with maximum mold height.
- 3. Mold-bearing capacity of the movable platen is 2/3 of total mold weight.
- 4. The shot weight is calculated by GPPS and it is 0.92 times of the theoretical shot volume.
- 5. The medium screw diameter is standard on the machine.
- 6. The injection unit data are in international units and calculated as follows: theoretical shot volume [cm3] × injection pressure (MPa)/100
- 7. The green figures are standard specifications of clamping unit and injection unit.
- 8. Because of constant technical improvement, the machine specifications are subject to change without notice.

Platen Dimensions





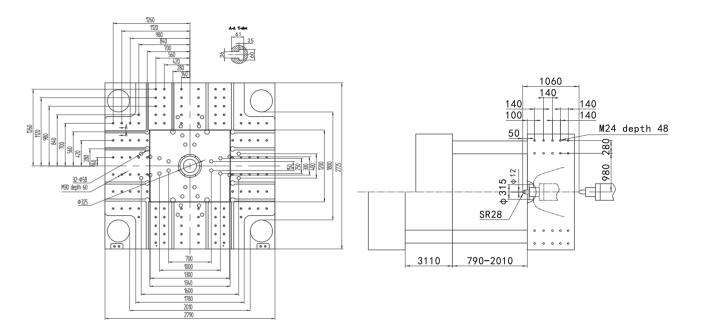


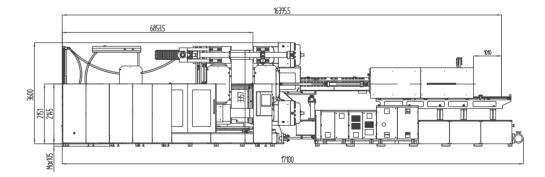
Model	el UN2850D1S										
				INJECTIO	ON UNIT						
		IU250	000	IU400	000	IU55600					
Screw diameter	mm	155	165	165	185	200					
Theoretical shot volume	cm ³	14152	16037	20955	26343	35186					
Shot weight	9	13020	14754	19278	24235	32371					
Injection pressure	MPa	175	154	190	151	158					
L/D ratio	L/D	22	20.1	24	22	22					
Injection rate	cm³/s	1472	1668	1614	2029	2482					
Max. injection speed	mm/s	78	}	75.	.5	79					
Screw stroke	mm	750	0	98	0	1120					
Max. screw speed	r/min	114	1	80)	85					
Barrel heating zone	PCS	10		11		9					
				CLAMPIN	IG UNIT						
Clamping force	kN			285	00						
Opening force	kN		2200								
Platen size	mm			2790×	2725						
Space between tie bars	mm			2010×	1800						
Max. mold thickness	mm			201	10						
Min. mold thickness	mm			79	0						
Opening stroke	mm			3110/1	1890						
Max. daylight	mm			390	00						
Ejector force	kN			46	0						
Ejector stroke	mm			50	0						
Ejector number	PCS			33	3						
				POWER	R UNIT						
System pressure	MPa	17.5/	30	17.5/	/30	17.5/30					
Pump motor	kW	89+60	5+11	110+8	9+11	110+89+55.6+11					
Total power	kW	278	278.4 357.5								
Heater power	kW	112.	112.4 147.5								
				GENE	ERAL						
Oil tank capacity	L	160	0	210	00	3200					
Machine dimensions	m	13.9×4.	6×3.6	16.6×4.	6×3.6	17.1×4.6×3.6					
Max. mold weight	Ton	75	75 75 75 75 75 75 75 75 75 75 75 75 75 7								

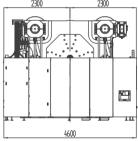
- 1. Opening force refers to mold opening force generated during high-pressure mold open.
 2. In the case of opening stroke, data before the slash refer to mold opening stroke with minimum mold height and opening stroke with maximum mold height.
- 3. Mold-bearing capacity of the movable platen is 2/3 of total mold weight.
 4. The shot weight is calculated by GPPS and it is 0.92 times of the theoretical shot volume.
- 5. The medium screw diameter is standard on the machine.
- 6. The injection unit data are in international units and calculated as follows: theoretical shot volume [cm3] × injection pressure (MPa)/100
- 7. The green figures are standard specifications of clamping unit and injection unit.

 8. Because of constant technical improvement, the machine specifications are subject to change without notice.

Platen Dimensions



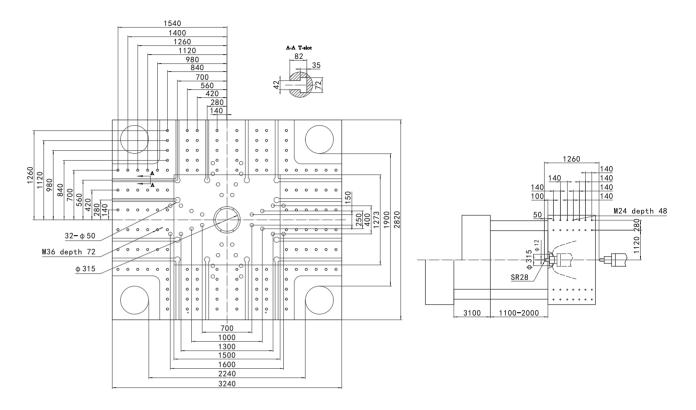


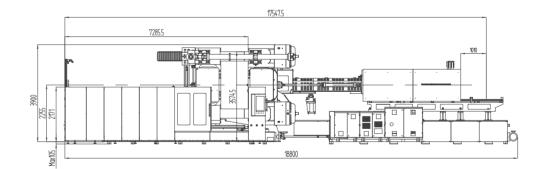


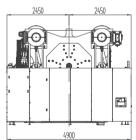
Model				UN3400D1S	
		IU40000	0	IU55600	IU68000
Screw diameter	mm	165	185	200	215
Theoretical shot volume	cm³	20955	26343	35186	43566
Shot weight	9	19278	24235	32371	40081
Injection pressure	MPa	190	151	158	156
L/D ratio	L/D	24	22	22	22
Injection rate	cm³/s	1614	2029	2482	2541
Max. injection speed	mm/s	75.5		79	70
Screw stroke	mm	980		1120	1200
Max. screw speed	r/min	80		85	52
Barrel heating zone	PCS	11		9	9
				CLAMPING UNIT	
Clamping force	kN			34000	
Opening force	kN			2550	
Platen size	mm			3220×2810	
Space between tie bars	mm			2240×1900	
Max. mold thickness	mm			2000	
Min. mold thickness	mm			1100	
Opening stroke	mm			3100/2200	
Max. daylight	mm			4200	
Ejector force	kN			460	
Ejector stroke	mm			500	
Ejector number	PCS			33	
				POWER UNIT	
System pressure	MPa	17.5/30)	17.5/30	17.5/30
Pump motor	kW	110+89+	11	110+89+55.6+11	110+89+55.6+11
Total power	kW	357.5		458.6	477.6
Heater power	kW	147.5		193	212
				GENERAL	
Oil tank capacity	L	2100		3200	3200
Machine dimensions	m	17.2×4.9×	3.9	17.7×4.9×3.9	18.8×4.9×3.9
Max. mold weight	Ton	81		81	81
10 11					

- Opening force refers to mold opening force generated during high-pressure mold open.
 In the case of opening stroke, data before the slash refer to mold opening stroke with minimum mold height and opening stroke with maximum mold height.
- 3. Mold-bearing capacity of the movable platen is 2/3 of total mold weight.
- 4. The shot weight is calculated by GPPS and it is 0.92 times of the theoretical shot volume.
- 5. The medium screw diameter is standard on the machine.
- 6. The injection unit data are in international units and calculated as follows: theoretical shot volume [cm3] × injection pressure (MPa)/100
- 7. The green figures are standard specifications of clamping unit and injection unit.
- 8. Because of constant technical improvement, the machine specifications are subject to change without notice.

Platen Dimensions



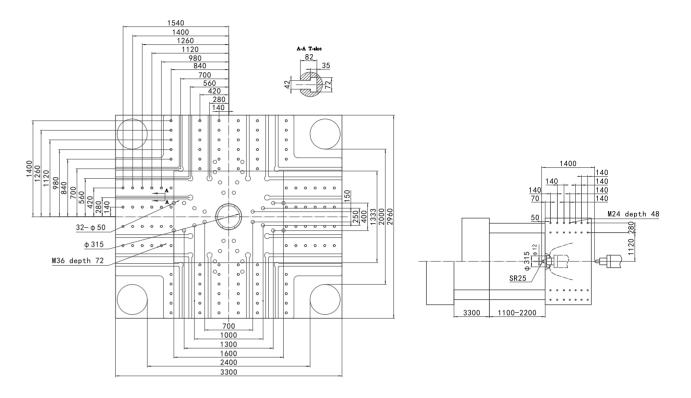


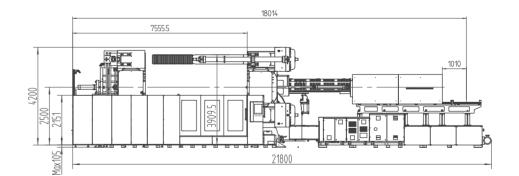


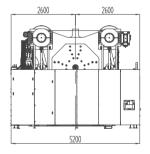
Model			UN4000D1S	
			INJECTION UNIT	
		IU55600	IU68000	IU95000
Screw diameter	mm	200	215	245
Theoretical shot volume	cm ³	35186	43566	53272
Shot weight	g	32371	40081	49010
Injection pressure	MPa	158	156	178
L/D ratio	L/D	22	22	22
Injection rate	cm³/s	2482	2541	3111
Max. injection speed	mm/s	79	70	66
Screw stroke	mm	1120	1200	1130
Max. screw speed	r/min	85	52	52
Barrel heating zone	PCS	9	9	11
			CLAMPING UNIT	
Clamping force	kN		40000	
Opening force	kN		3170	
Platen size	mm		3300×2960	
Space between tie bars	mm		2400×2000	
Max. mold thickness	mm		2200	
Min. mold thickness	mm		1100	
Opening stroke	mm		3300/2200	
Max. daylight	mm		4400	
Ejector force	kN		460	
Ejector stroke	mm		500	
Ejector number	PCS		33	
			POWER UNIT	
System pressure	MPa	17.5/30	17.5/30	17.5/30
Pump motor	kW	110+89+55.6+11	110+89+55.6+11	89*4+11
Total power	kW	458.6	477.6	648
Heater power	kW	193	212	281
			GENERAL	
Oil tank capacity	L	3200	3200	5300
Machine dimensions	m	18.1×5.2×4.2	19.2×5.2×4.2	21.8×5.2×4.2
Max. mold weight	Ton	86	86	86

- Opening force refers to mold opening force generated during high-pressure mold open.
 In the case of opening stroke, data before the slash refer to mold opening stroke with minimum mold height and opening stroke with maximum mold height.
- 3. Mold-bearing capacity of the movable platen is 2/3 of total mold weight.
- 4. The shot weight is calculated by GPPS and it is 0.92 times of the theoretical shot volume.
- 5. The medium screw diameter is standard on the machine.
- 6. The injection unit data are in international units and calculated as follows: theoretical shot volume [cm3] × injection pressure (MPa)/100
- 7. The green figures are standard specifications of clamping unit and injection unit.
- 8. Because of constant technical improvement, the machine specifications are subject to change without notice.

Platen Dimensions







Standard and Optional Features

CLAMDING LINIT		
CLAMPING UNIT		
Clamping mechanism with tie bars independent of moving platen	•	
Quantitative volumetric automatic lubrication	•	
High-response proportional control of pressure and flow for mold open & mold close	•	
Hydraulically-driven ejection device	•	
Low-pressure mold protection	•	
Clamping force adjustment as needed	•	
Forced reset function	•	
Ejector return protection	•	
Robot mounting hole (Euromap 18)		
Electric door (optional for 550T-1400T machine)	•	
T-slot platen	•	
Four clamp platens made of high-rigidity ductile iron	•	
Hydraulic and electrical safety devices	•	
Safety foot plate in mold area (optional for 550 or 750T machine)	•	
High-accuracy magnetostrictive displacement sensor for mold open/close control	•	
Mold spring	•	
Safety foot plate in front & rear door areas		
Synchronous ejection and core pulling		
Secondary mold closing		
Quick mold change system platform		
Hydraulic mold clamp		
Magnetic platen		
Increased mold thickness		
Increased ejector stroke		
Mold lifting device		
Heat insulating plate of mold		
Special mold mounting hole		
Increased mold opening stroke		
Larger ejection force		-
ELECTRIC CONTROL SYSTEM		
ELECTRIC CONTROL SYSTEM Closed-loop PID barrel temperature control	•	
ELECTRIC CONTROL SYSTEM Closed-loop PID barrel temperature control Manual, semi-auto and fully-auto operating mode	•	
ELECTRIC CONTROL SYSTEM Closed-loop PID barrel temperature control Manual, semi-auto and fully-auto operating mode Input and output inspection interface		
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ELECTRIC CONTROL SYSTEM Closed-loop PID barrel temperature control Manual, semi-auto and fully-auto operating mode Input and output inspection interface Automatic display of alarm messages and acousto-optic alarm system Built-in software with the oscilloscope function Unlimited technical parameter storage Automatic mold height adjustment Chinese and English operating system	•	
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ELECTRIC CONTROL SYSTEM Closed-loop PID barrel temperature control Manual, semi-auto and fully-auto operating mode Input and output inspection interface Automatic display of alarm messages and acousto-optic alarm system Built-in software with the oscilloscope function Unlimited technical parameter storage Automatic mold height adjustment Chinese and English operating system Safety gate emergency stop function Online cycle monitoring 15" TFT color touch screen Visualized graphic programming PDP interface Injection monitoring protection Mold-close monitoring protection Statistical process control (SPC) interface		
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ELECTRIC CONTROL SYSTEM Closed-loop PID barrel temperature control Manual, semi-auto and fully-auto operating mode Input and output inspection interface Automatic display of alarm messages and acousto-optic alarm system Built-in software with the oscilloscope function Unlimited technical parameter storage Automatic mold height adjustment Chinese and English operating system Safety gate emergency stop function Online cycle monitoring 15" TFT color touch screen Visualized graphic programming PDP interface Injection monitoring protection Mold-close monitoring protection Statistical process control (SPC) interface Electrical enclosure rated IP54 Screw speed detecting device		
ELECTRIC CONTROL SYSTEM Closed-loop PID barrel temperature control Manual, semi-auto and fully-auto operating mode Input and output inspection interface Automatic display of alarm messages and acousto-optic alarm system Built-in software with the oscilloscope function Unlimited technical parameter storage Automatic mold height adjustment Chinese and English operating system Safety gate emergency stop function Online cycle monitoring 15" TFT color touch screen Visualized graphic programming PDP interface Injection monitoring protection Mold-close monitoring protection Statistical process control (SPC) interface Electrical enclosure rated IP54 Screw speed detecting device Time/ position/ time + position control modes for switchover to holding phase		
ELECTRIC CONTROL SYSTEM Closed-loop PID barrel temperature control Manual, semi-auto and fully-auto operating mode Input and output inspection interface Automatic display of alarm messages and acousto-optic alarm system Built-in software with the oscilloscope function Unlimited technical parameter storage Automatic mold height adjustment Chinese and English operating system Safety gate emergency stop function Online cycle monitoring 15" TFT color touch screen Visualized graphic programming PDP interface Injection monitoring protection Mold-close monitoring protection Statistical process control (SPC) interface Electrical enclosure rated IP54 Screw speed detecting device Time/ position/ time + position control modes for switchover to holding phase Protective plate in mold area		
ELECTRIC CONTROL SYSTEM Closed-loop PID barrel temperature control Manual, semi-auto and fully-auto operating mode Input and output inspection interface Automatic display of alarm messages and acousto-optic alarm system Built-in software with the oscilloscope function Unlimited technical parameter storage Automatic mold height adjustment Chinese and English operating system Safety gate emergency stop function Online cycle monitoring 15" TFT color touch screen Visualized graphic programming PDP interface Injection monitoring protection Mold-close monitoring protection Statistical process control (SPC) interface Electrical enclosure rated IP54 Screw speed detecting device Time/ position/ time + position control modes for switchover to holding phase Protective plate in mold area 3 sets of 380V 32A socket (2 sets standard for UN550-900D1S machine)		
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Closed-loop PID barrel temperature control Manual, semi-auto and fully-auto operating mode Input and output inspection interface Automatic display of alarm messages and acousto-optic alarm system Built-in software with the oscilloscope function Unlimited technical parameter storage Automatic mold height adjustment Chinese and English operating system Safety gate emergency stop function Online cycle monitoring 15" TFT color touch screen Visualized graphic programming PDP interface Injection monitoring protection Mold-close monitoring protection Statistical process control (SPC) interface Electrical enclosure rated IP54 Screw speed detecting device Time/ position/ time + position control modes for switchover to holding phase Protective plate in mold area 3 sets of 380V 32A socket (2 sets standard for UN750-900D1S machine) 1 set of 380V 16A socket (2 sets standard for UN750-900D1S machine)		
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Closed-loop PID barrel temperature control Manual, semi-auto and fully-auto operating mode Input and output inspection interface Automatic display of alarm messages and acousto-optic alarm system Built-in software with the oscilloscope function Unlimited technical parameter storage Automatic mold height adjustment Chinese and English operating system Safety gate emergency stop function Online cycle monitoring 15" TFT color touch screen Visualized graphic programming PDP interface Injection monitoring protection Mold-close monitoring protection Statistical process control (SPC) interface Electrical enclosure rated IP54 Screw speed detecting device Time/ position/ time + position control modes for switchover to holding phase Protective plate in mold area 3 sets of 380V 16A socket (2 sets standard for UN750-900D1S machine) 1 set of 380V 16A socket (2 sets standard for UN750-900D1S machine) 16-level password security Reserved robot interfaces based on SPI, EUROMAP 12 Automatic heat preserving, automatic heating settings Servo injection Electric unscrewing device Hot runner interface		
ELECTRIC CONTROL SYSTEM Closed-loop PID barrel temperature control Manual, semi-auto and fully-auto operating mode Input and output inspection interface Automatic display of alarm messages and acousto-optic alarm system Built-in software with the oscilloscope function Unlimited technical parameter storage Automatic mold height adjustment Chinese and English operating system Safety gate emergency stop function Online cycle monitoring 15" TFT color touch screen Visualized graphic programming PDP interface Injection monitoring protection Mold-close monitoring protection Statistical process control (SPC) interface Electrical enclosure rated IP54 Screw speed detecting device Time/ position/ time + position control modes for switchover to holding phase Protective plate in mold area 3 sets of 380V 32A socket (2 sets standard for UN750-900D1S machine) 1 set of 380V 16A socket (2 sets standard for UN750-900D1S machine) 1 clevel password security Reserved robot interfaces based on SPI, EUROMAP 12 Automatic heat preserving, automatic heating settings Servo injection Electric unscrewing device		

	Standard	Optional
Central (networked) monitoring system		0
Protective light grid of safety gates		0
Opto-electronic safety switch of front and rear safety gates		0
Protective light grid of central safety foot plate		0
INJECTION UNIT		Ü
Double parallel cylinder injection unit with low-speed high-torque hydraulic motor	•	
Nitride alloy steel screw & barrel	•	
Purge guard (with electrical protection)	•	
Selectable suck-back before or after plasticizing	•	
10-stage injection speed/ pressure/ position control	•	
10-stage holding speed/ pressure/ position/ time control	•	
5-stage plasticizing speed/ pressure/ position control	•	
Linear guides for injection unit	•	
Double-carriage cylinder	•	
Cold start protection	•	
Manual central lubrication system of injection unit	•	
Suck back function	•	
Automatic purging	•	
Screw rotation measuring device	•	
Injection carriage transducer		0
Mixing screw		0
Bi-metallic screw barrel		0
Swivelling injection unit		0
Extended nozzle (50/100/150/200mm longer)		0
Special screw components		0
Energy-saving barrel heat retaining device (silicone cover)		0
Spring shut-off nozzle		0
Increased injection stroke		0
HYDRAULIC SYSTEM		
Low-noise energy-saving hydraulic circuit	•	
Proportional back pressure control for plasticizing	•	
Oil pre-heating system	•	
2 sets of core pull (standard: 1 set for UN550D1S, 4 sets for UN2100/2400D1S, 6 sets for UN2850/3400/4000D1S)	•	
Differential mold-open circuit	•	
Injection and mold-close pressure protection	•	
High-pressure mold opening	•	
Automatic pressure and flow calibration	•	
Oil temperature and oil level alarm	•	
High-performance servo pump system	•	
Multiple sets of sequence (injection) valve interface		0
Variable displacement pump system		0
Closed-loop proportional variable displacement pump system		0
High-response accumulating servo injection system		0
Enlarged ail applay		0
Enlarged oil cooler		0
Multi-capacity larger pump motor		
Multi-capacity larger pump motor Multi-capacity larger plasticizing motor		0
Multi-capacity larger pump motor Multi-capacity larger plasticizing motor Servo injection (closed-loop control of injection, plasticizing, holding pressure and back pressure)		0
Multi-capacity larger pump motor Multi-capacity larger plasticizing motor Servo injection (closed-loop control of injection, plasticizing, holding pressure and back pressure) Plasticizing during mold opening		
Multi-capacity larger pump motor Multi-capacity larger plasticizing motor Servo injection (closed-loop control of injection, plasticizing, holding pressure and back pressure) Plasticizing during mold opening Multiple sets of core pull or unscrewing devices with electrical interfaces		0
Multi-capacity larger pump motor Multi-capacity larger plasticizing motor Servo injection (closed-loop control of injection, plasticizing, holding pressure and back pressure) Plasticizing during mold opening Multiple sets of core pull or unscrewing devices with electrical interfaces OTHER		0
Multi-capacity larger pump motor Multi-capacity larger plasticizing motor Servo injection (closed-loop control of injection, plasticizing, holding pressure and back pressure) Plasticizing during mold opening Multiple sets of core pull or unscrewing devices with electrical interfaces OTHER User manual	•	0
Multi-capacity larger pump motor Multi-capacity larger plasticizing motor Servo injection (closed-loop control of injection, plasticizing, holding pressure and back pressure) Plasticizing during mold opening Multiple sets of core pull or unscrewing devices with electrical interfaces OTHER User manual Adjustable leveling pad	•	0
Multi-capacity larger pump motor Multi-capacity larger plasticizing motor Servo injection (closed-loop control of injection, plasticizing, holding pressure and back pressure) Plasticizing during mold opening Multiple sets of core pull or unscrewing devices with electrical interfaces OTHER User manual Adjustable leveling pad 8-in 8-out water manifold on platen (with general, quick connectors)		0
Multi-capacity larger pump motor Multi-capacity larger plasticizing motor Servo injection (closed-loop control of injection, plasticizing, holding pressure and back pressure) Plasticizing during mold opening Multiple sets of core pull or unscrewing devices with electrical interfaces OTHER User manual Adjustable leveling pad 8-in 8-out water manifold on platen (with general, quick connectors) Nozzle spanner	•	0
Multi-capacity larger pump motor Multi-capacity larger plasticizing motor Servo injection (closed-loop control of injection, plasticizing, holding pressure and back pressure) Plasticizing during mold opening Multiple sets of core pull or unscrewing devices with electrical interfaces OTHER User manual Adjustable leveling pad 8-in 8-out water manifold on platen (with general, quick connectors) Nozzle spanner Mold clamp		0
Multi-capacity larger pump motor Multi-capacity larger plasticizing motor Servo injection (closed-loop control of injection, plasticizing, holding pressure and back pressure) Plasticizing during mold opening Multiple sets of core pull or unscrewing devices with electrical interfaces OTHER User manual Adjustable leveling pad 8-in 8-out water manifold on platen (with general, quick connectors) Nozzle spanner Mold clamp Hopper	•	0
Multi-capacity larger pump motor Multi-capacity larger plasticizing motor Servo injection (closed-loop control of injection, plasticizing, holding pressure and back pressure) Plasticizing during mold opening Multiple sets of core pull or unscrewing devices with electrical interfaces OTHER User manual Adjustable leveling pad 8-in 8-out water manifold on platen (with general, quick connectors) Nozzle spanner Mold clamp Hopper Hydraulic oil (standard for UN550-1400D1S)	•	0 0
Multi-capacity larger pump motor Multi-capacity larger plasticizing motor Servo injection (closed-loop control of injection, plasticizing, holding pressure and back pressure) Plasticizing during mold opening Multiple sets of core pull or unscrewing devices with electrical interfaces OTHER User manual Adjustable leveling pad 8-in 8-out water manifold on platen (with general, quick connectors) Nozzle spanner Mold clamp Hopper Hydraulic oil (standard for UN550-1400D1S) Loading platform	•	0 0
Multi-capacity larger pump motor Multi-capacity larger plasticizing motor Servo injection (closed-loop control of injection, plasticizing, holding pressure and back pressure) Plasticizing during mold opening Multiple sets of core pull or unscrewing devices with electrical interfaces OTHER User manual Adjustable leveling pad 8-in 8-out water manifold on platen (with general, quick connectors) Nozzle spanner Mold clamp Hopper Hydraulic oil (standard for UN550-1400D1S) Loading platform Mold temperature controller	•	0 0 0 0 0 0 0
Multi-capacity larger pump motor Multi-capacity larger plasticizing motor Servo injection (closed-loop control of injection, plasticizing, holding pressure and back pressure) Plasticizing during mold opening Multiple sets of core pull or unscrewing devices with electrical interfaces OTHER User manual Adjustable leveling pad 8-in 8-out water manifold on platen (with general, quick connectors) Nozzle spanner Mold clamp Hopper Hydraulic oil (standard for UN550-1400D1S) Loading platform	•	0 0

THINK TECH FORWARD