Designed by Vizumi, February 2023





YIZUMI

# 500T-4000T

D1 SERIES TWO-PLATEN
INJECTION MOLDING MACHINE

Innovative Practice of Large-tonnage Two-platen Machine



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- $\begin{tabular}{l} \textbf{[1] YIZUMI reserves the right to modify the product description in the catalogue. Specification might be changed without prior notice.} \end{tabular}$
- [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

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.



















# **Core Value Propositions**

#### Fast

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

#### Stable

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

#### Smaller footprint

D1 series machine occupies less floor space than a three-platen machine, improving factory utilization and reducing costs of production facilities.

# More reliable low-pressure mold protection

Mold protection is so sensitive that it can sense three pieces of A4 paper, which is more effective.

#### Higher stability of mold-open position

Variation up to ±0.2mm, meeting higher requirements on automated part removal and inserting.

# New-generation servo system driven by fully oil-cooled two-headed motor

Fast response, strong power and low energy consumption.

#### Professional control system

Short scan time, fast response and high movement repeatability.

≤3%

#### Smaller variation of force on tie bar

Variation≤ 3%, high mold-close accuracy, hardly any flash, higher stability of injection molding.

**55%** 

#### Shorter dry cycle

Compared with a three-platen machine of the same clamp tonnage, mold opening and closing during dry cycle is about 55% faster.

≤3‰

#### Outstanding injection stability

Repeatability of part weight  $\leq 3\%$ , excellent quality, saving materials and costs.



# Clamping Unit

#### Short dry cycle, reliable and stable

D1 series two-platen injection molding machine, based on high-rigidity clamping unit, precision guide device, synchronized lock nut mechanism, quick 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.



# Independent high-pressure cylinder (optional)

Mold opening under low speed and high pressure, as well as mold change through tie bar pulling in a factory with excessively low ceiling are available.



#### Highly-rigid accurate guide device

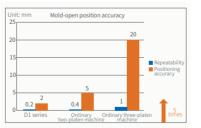
High-rigidity L-shape guide rails on machine frame, with guiding precision up to 0.05mm, facilitate fast and steady motion of platens.



# Wear & corrosion resistant tie bars with uniform stress distribution

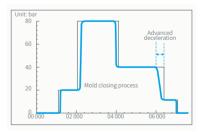
With special technical treatment, tie bars are highly-rigid and resistant to wear and corrosion. Uniformity of stress distributed on tie bar threads is over 99% without unbalanced force, bringing durability.





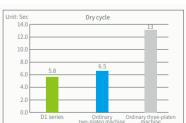
# High repeatability of mold-open end position

Repeatability of mold-open position is up to ± 0.2mm, five times higher than that of a three-platen machine. (proven by in-house 1300T machine test result)



#### Sensitive mold protection

With the use of smart prior deceleration control, even three pieces of A4 paper can be sensed. Mold protection is more reliable and sensitive.



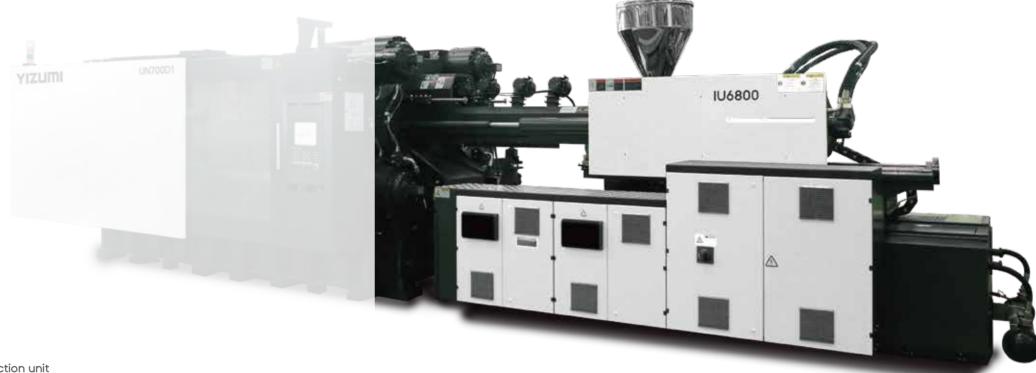
#### Short dry cycle

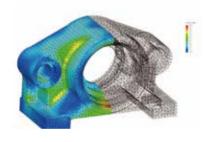
Efficient mold opening and closing and short dry cycle directly improve manufacturing efficiency and capacity. (proven by in-house 1300T machine test result)

# Injection Unit

# Stable injection end position and high repeatability of part weight

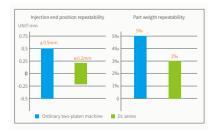
Linear guide rails, with the benefits of low resistance and quick acceleration, are a standard feature of D1 series two-platen injection molding machine. Incorporating other features, such as high-rigidity injection unit and ultrasonic displacement sensor for monitoring, D1 series has achieved accurate position control and high repeatability of part weight.





#### High-rigidity injection unit

Casts of injection unit are made from ductile cast iron. The platens are highly rigid with little deformation. Injection is more stable.



#### Excellent injection performance

Repeatability of injection end position up to  $\pm 0.2$ mm and repeatability of part weight  $\leq 3\%$  meet the needs of increasing efficiency and lowering costs.



#### Integral linear guide rails for injection

Linear guide rails are a standard feature of D1 series, bringing benefits of low resistance, quick acceleration and accurate injection.



#### Ultrasonic displacement sensor

D1 series is equipped with an ultrasonic digital displacement sensor, characterized by little signal interference and high position control accuracy.



#### 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  $\pm 0.5\,^{\circ}\mathrm{C}$ .

# Hydraulic System



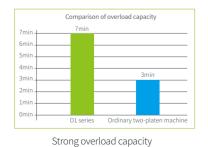
# HYDRAULIC SYSTEM

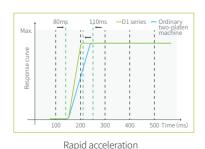
#### Precise filtration, efficient cooling, higher stability

D1 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 is superior to China energy efficiency grade 1.

#### Servo system driven by fully oil-cooled two-headed 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.







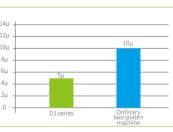
Durable and reliable

#### Precise filtration and independent cooling system

Filter fineness is up to 5µm and cooling effect is 2-3 times better than ordinary two-platen injection molding machines, which ensure long service life of seals. Machine becomes more stable.







Good cooling effect

High filter fineness

Comparison of filter fineness

#### Motor protected with L-shape plates

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



# Control System

# Accurate control, humanized design, reliable and stable

D1 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

- D1 series two-platen injection molding machine adopts Austria's KEBA control system, with double CPUs, 1ms of scan cycle and high reliability.
- Fast mold opening and closing and high repeatability thanks to the high-response dual proportional valve control technology.
- Fully-closed-loop control of injection speed, pressure and back pressure, with fast response and high accuracy.
- Self-tuning of temperature parameters of barrel and hot runner makes temperature control more accurate.

#### Data and safety

- Storage of process data without limit
- Memory of alarm and process parameter change
- Record of process parameter change curve
- Production process data control (PDP) and statistic process control (SPC)
- Multi-level user access to protect data
- Multiple protections of equipment and people through software and hardware

#### Easy to operate

- Real-time remote control (optional)
- 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 connector 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.



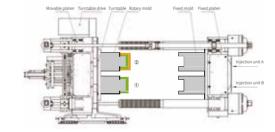
### MultiPro injection molding machine

#### Molding with vertical turntable



#### Operating principle

After simultaneous injection by A unit and B unit, the product is ejected. Then the turntable rotates vertically by 180 degrees and the mold is closed for next-round injection. When the mold is finally opened, the molding process of two stations is completed. The rotary degree of turntable is set at 180 degrees in forward and reverse direction.



#### Feature

Station exchange can be achieved by rotating the turntable vertically. Good compatibility and mature mold technology, with wider application.

#### **Application**

Widely applied in the production of multi-component products, such as auto taillight, center console panel, interior and exterior parts, appliance shell, notebook parts, etc.













#### Integrated turntable

The integrated turntable with high rigidity, high load-bearing capacity and compact structure can be equipped with large-capacity, multi-channel swiveling water, oil and gas distribution system.



#### Automatic flow distribution system

Based on German technology, the three-in-one (water, oil and gas) distribution system is designed with a double-layer structure for water-oil separation. The turntable can rotate 360 degrees without the tangle of lines to meet the rotation needs of multiple stations.



#### Parallel injection unit

The nozzle center distance is adjustable (optional) with high compatibility. The injection structure with a single well-sealed cylinder has high injection speed.



#### Digital closed-loop positioning control technology

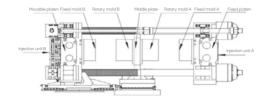
The DCPC technology enables the servo-driven turntable to rotate fast and smoothly without impact. The positioning of turntable is accurate with repeatability of  $\pm 0.005^{\circ}$ .

# MultiPro injection molding machine

#### Molding with horizontal turntable

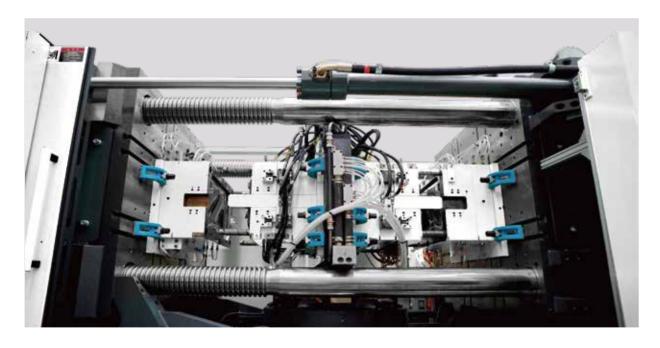
#### Operating principle

Injection unit B is moved along with the movable platen. The process of mold opening and closing is completed with the movement cooperation of movable platen and horizontal turntable. After mold closing, the injection by unit A and B is carried out as per process requirement. And the product is finally ejected by the core-pulling unit of middle plate or ejection unit after mold opening.



#### Feature

Station exchange can be achieved by rotating the turntable horizontally. Compared with vertical turntable, horizontal turntable can help machine double the production capacity with the same clamping force setting; or largely reduce clamping force under the same production capacity as required.



#### **Application**

Widely applied in the production of multi-component products, such as auto sunroof, side window, A-pillar, B-pillar, headlight, grill, door panel, center console screen, appliance panel, and outer frame.



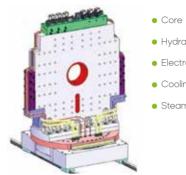








#### Middle plate of horizontal turntable







ic flow distribution shaft system and double layer structure for oil-water separation, integrated management for oil, water and gas is achievable. Clockwise rotation is also available by 90°, 180° or 360°, no tangling for pipeline

Applied with German automat-

#### Technical advantages

#### Compared with traditional stack molds

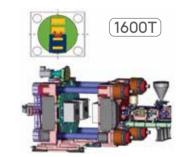
- Using two independently controlled injection units to better control injection volume
- High flexibility, two different molds can be used synchronously
- Reduce length of hot runner for lower cost
- Improved hot runner balance for faster debugging and startup
- Reduce dwell time of raw materials in the barrel
- Less raw material degradation and better quality control

# Compared with machine with vertical turntable

- More flexible and applicable to production of large two-color parts
- With double cavities and output under the same tonnage, more economical
- Nearly half of the required machine tonnage under the same production capacity requirement, less power consumption and lower cost.
- Provide innovative integrated solutions with horizontal turntable







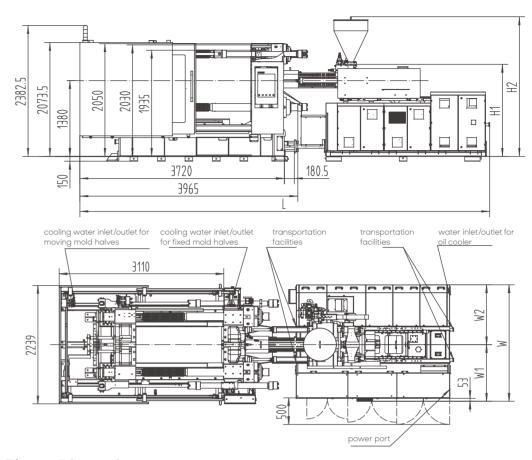
Molding with vertical turntable

#### UN500D1 Specifications

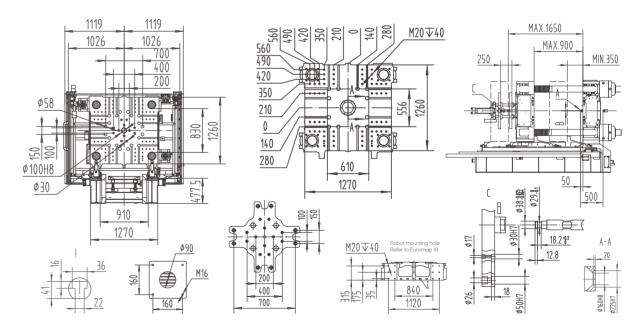
						INJECTIO	DN UNIT						
Model		IU1885			IU2695			IU3330			IU48	800	
Screw diameter (mm)	60	68	76	68	76	84	76	84	92	84	92	100	108
Shot volume (cm³)	834	1071	1338	1198	1497	1829	1678	2050	2460	2217	2659	3142	3664
Shot weight (g)	767	986	1231	1103	1377	1683	1544	1886	2263	2039	2446	2890	3371
Injection pressure (MPa)	226	176	141	225	180	147	199	162	136	218	181	154	134
L/D ratio	22.6	20	20	22.3	20	20	22.1	20	20	21.9	20	21.6	20
Injection rate (cm³/s)	322	414	517	383	478	584	430	526	632	520	624	737	860
Max.injection speed (mm/s)		114			105			95			93	3.9	
Screw stroke (mm)		295			330			370			40	00	
Max.screw speed (r/min)		250			184			147			15	54	
Barrel heating zone (PCS)		5			6			6			ć	5	
						CLAMPII	NG UNIT						
Clamping force (kN)						50	000						
Opening force (kN)						3	90						
Platen size (mm)						1270	×1260						
Space between tie bars (mm)						910	×830						
Max. mold thickness (mm)						9	00						
Min. mold thickness (mm)						3	50						
Opening stroke (mm)						1300	)/750						
Max. daylight (mm)						16	50						
Ejector force (KN)						1	10						
Ejector stroke (mm)						2	50						
Ejector number (PCS)						2	21						
						POWER	RUNIT						
System pressure (MPa)		17.5/30			17.5/30			17.5/30			17.5	/30	
Pump motor (kW)		55.6+5.5			60+5.5			60+5.5			66+	-5.5	
Total power (kW)	83.3	83.3	85.7	91.9	91.9	96.4	98.6	98.6	101.7	108.6	108.6	118.5	118.5
Heater power (kW)	22.2	22.2	24.6	26.4	26.4	30.9	33.1	33.1	36.2	37.14	37.14	47	47
						GENE	RAL						
Oil tank capacity (L)		650			750			750			10	00	
Machine dimensions (m)		7.5×2.3×2.4	1		7.5×2.3×2.	6		7.5×2.3×2.	4		8.6×2	.4×2.5	
Max. mold weight (T)		8			8			8			8	В	

- 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; data after the slash refer to 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.
- $5.\ Three\ kinds\ of\ screws\ are\ available\ for\ each\ model\ and\ the\ medium\ one\ is\ standard\ on\ the\ machine.$
- 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.

#### **UN500D1 Machine Dimensions**



#### **UN500D1 Platen Dimensions**



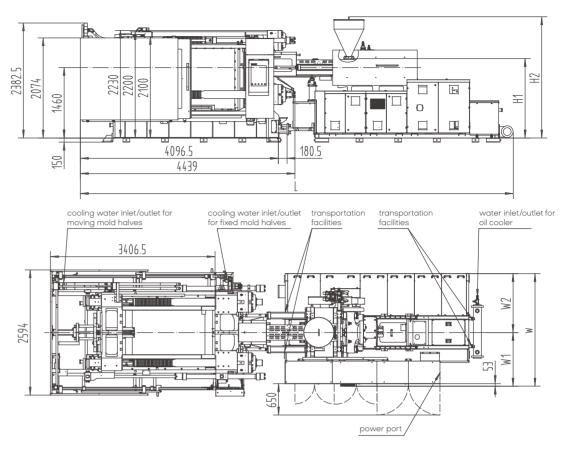
Model	А	В	L	H1	H2	W	W1	W2	Main power cord size		Bearing capacity of foundation	Mold cooling water ports	Cooling water flow (mold excluded)	Cooling water pressure	Compressed air pressure
	mm	mm²	А	t/m²	n×L/min	L/min	bar	bar							
UN500D1-IU1885	SR10	Ф3.5	7456	1617	2360	2198	1063	1135	70	161.46	7.5	(8+8)×11	100	3~4	5~6
UN500D1-IU2695	SR15	Ф4	7456	1677	2542	2198	1063	1135	70	176.74	7.5	(8+8)×11	100	3~4	5~6
UN500D1-IU3330	SR15	Ф4	7456	1555	2420	2198	1063	1135	70	186.89	7.5	(8+8)×11	100	3~4	5~6
UN500D1-IU4800	SR15	Φ4.5	8580	1565	2430	2333	1113	1220	70	215.49	7.5	(8+8)×11	100	3~4	5~6

#### **UN700D1 Specifications**

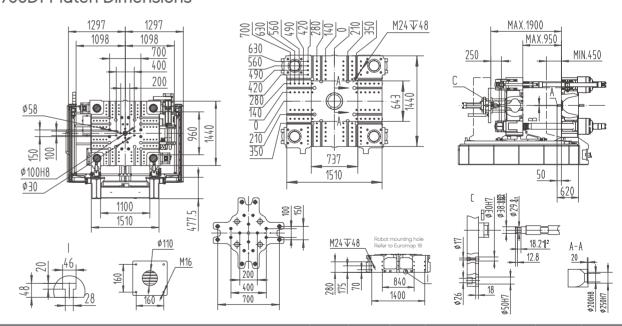
						INJECTI	ON UN	IT						
Model		IU2695			IU3330			IU4	800			IU68	00	
Screw diameter (mm)	68	76	84	76	84	92	84	92	100	108	92	100	108	116
Shot volume (cm³)	1198	1497	1829	1678	2050	2460	2217	2659	3142	3664	3191	3770	4397	5073
Shot weight (g)	1103	1377	1683	1544	1886	2263	2039	2446	2890	3371	2936	3468	4045	4667
Injection pressure (MPa)	225	180	147	199	162	136	218	181	154	134	213	180	154	134
L/D ratio	22.3	20	20	22.1	20	20	21.9	20	21.6	20	21.7	22	21.5	20
Injection rate (cm³/s)	383	478	584	430	526	632	520	624	737	860	615	726	847	980
Max.injection speed (mm/s)		105			95			93	3.9			92	2.5	
Screw stroke (mm)		330			370			4	00			48	30	
Max.screw speed (r/min)		184			147			15	54			14	15	
Barrel heating zone (PCS)		6			6				6			7	7	
						CLAMP	ING UN	IIT						
Clamping force (kN)						70	000							
Opening force (kN)						5	00							
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	0/950							
Max. daylight (mm)						19	000							
Ejector force (KN)						1	10							
Ejector stroke (mm)						2	50							
Ejector number (PCS)						2	21							
						POWE	R UNIT							
System pressure (MPa)		17.5/30			17.5/30			17.5	5/30			17.5	/30	
Pump motor (kW)		60+5.5			60+5.5			66-	+5.5			89-	+7.5	
Total power (kW)	91.9	91.9	96.4	98.6	98.6	101.7	108.6	108.6	118.5	118.5	143.5	143.5	153.1	153.1
Heater power (kW)	26.4	26.4	30.9	33.1	33.1	36.2	37.14	37.14	47	47	47	47	56.6	56.6
						GEN	ERAL							
Oil tank capacity (L)		750			750			100	00			115	50	
Machine dimensions (m)		7.9×2.6×2.7	,	-	7.9×2.6×2.5	j		9×2.6	×2.5			9×2.7	7×2.5	
Max. mold weight (T)		11			11			1	1			1	1	

- 1. Opening force refers to mold opening force generated during high-pressure mold open.
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- 4. The shot weight is calculated by GPPS and it is 0.92 times of the theoretical shot volume.
- $5.\ Three\ kinds\ of\ screws\ are\ available\ for\ each\ model\ and\ the\ medium\ one\ is\ standard\ on\ the\ machine.$
- 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.

#### UN700D1 Machine Dimensions



#### UN700D1 Platen Dimensions



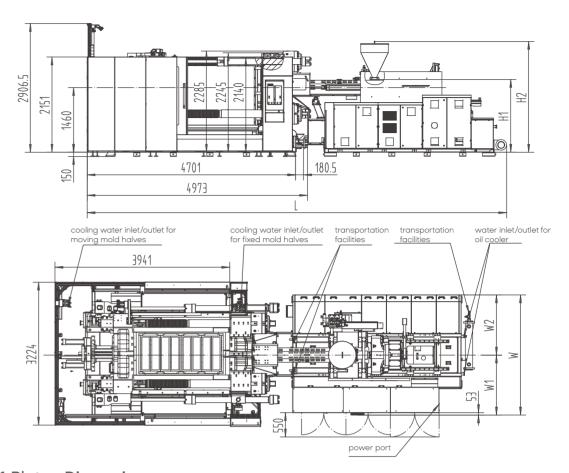
Model					H2			W2			Bearing capacity of foundation		Cooling water     flow   (mold excluded)	Cooling water pressure	Compressed air pressure
	mm	mm²	Α	t/m²	n×L/min	L/min	bar	bar							
UN700D1-IU2695	SR15	Ф4	7833	1757	2622	2198	1063	1135	70	176.74	7.5	(8+8)×11	100	3~4	5~6
UN700D1-IU3330	SR15	Ф4	7833	1635	2500	2198	1063	1135	70	186.89	7.5	(8+8)×11	100	3~4	5~6
UN700D1-IU4800	SR15	Ф4.5	8957	1645	2510	2333	1113	1220	70	215.49	7.5	(8+8)×11	100	3~4	5~6
UN700D1-IU6800	SR15	Ф4.5	8957	1645	2510	2711	1352	1359	75	259.84	7.5	(8+8)×11	100	3~4	5~6

#### UN900D1 Specifications

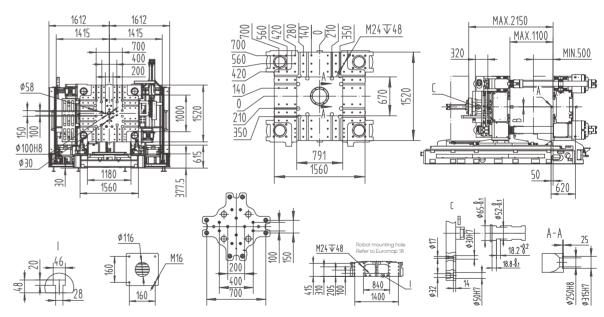
						INJECTION	TINU NC					
Model		IU48	300			IU68	800			IU9	0000	
Screw diameter (mm)	84	92	100	108	92	100	108	116	100	108	116	125
Shot volume (cm³)	2217	2659	3142	3664	3191	3770	4397	5073	4320	5038	5813	6748
Shot weight (g)	2039	2446	2890	3371	2936	3468	4045	4667	3974	4636	5348	6208
Injection pressure (MPa)	218	181	154	134	213	180	154	134	209	179	155	134
L/D ratio	21.9	20	21.6	20	21.7	22	21.5	20	21.6	20	21.6	20
Injection rate (cm³/s)	520	624	737	860	615	726	847	980	766	894	1031	1197
Max.injection speed (mm/s)		93	.9			92	.5			9	7.6	
Screw stroke (mm)		40	10			48	80			5	550	
Max.screw speed (r/min)		15	4			14	5			1:	28	
Barrel heating zone (PCS)		6				7	,				7	
						CLAMPI	NG UNIT					
Clamping force (kN)						90	000					
Opening force (kN)						6	40					
Platen size (mm)						1560	×1520					
Space between tie bars (mm)						1180	×1000					
Max. mold thickness (mm)						11	00					
Min. mold thickness (mm)						5	00					
Opening stroke (mm)						1650	/1050					
Max. daylight (mm)						2	150					
Ejector force (KN)						2	20					
Ejector stroke (mm)						3	20					
Ejector number (PCS)							21					
						POWE	R UNIT					
System pressure (MPa)		17.5	5/30			17.5	/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	118.5	143.5	143.5	153.1	153.1	169.3	169.3	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
						GENI	ERAL					
Oil tank capacity (L)		10	00			115	50			14	100	
Machine dimensions (m)		9.5×3.	3×2.9			9.5×3.	.3×2.9			9.6×3	3.3×2.9	
Max. mold weight (T)		1:	3			1	3				13	

- 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; data after the slash refer to 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.
- $5.\ Three\ kinds\ of\ screws\ are\ available\ for\ each\ model\ and\ the\ medium\ one\ is\ standard\ on\ the\ machine.$
- 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.

#### UN900D1 Machine Dimensions



#### UN900D1 Platen Dimensions



ı	Model					H2			W2			Bearing capacity of foundation		Cooling water flow (mold excluded)	Cooling water pressure	Compressed air pressure
		mm	mm	mm²	А	t/m²	n×L/min	L/min	bar	bar						
	UN900D1-IU4800	SR15	Ф4.5	9461	1645	2510	2333	1113	1220	70	215.49	7.5	(8+8)×11	100	3~4	5~6
	UN900D1-IU6800	SR15	Ф4.5	9461	1645	2510	2711	1352	1359	75	259.84	7.5	(8+8)×11	100	3~4	5~6
	UN900D1-IU9000	SR15	Ф4.5	9591	2029	2871	2906	1450.5	1455.5	95	316.71	7.5	(8+8)×11	100	3~4	5~6

#### UN1100D1 Specifications

							IN	JECTIC	ON UNI	Т						
Model		IU48	300			IU68	300			IU90	000			IU109	900	
Screw diameter (mm)	84	92	100	108	92	100	108	116	100	108	116	125	108	116	125	135
Shot volume (cm³)	2217	2659	3142	3664	3191	3770	4397	5073	4320	5038	5813	6748	5222	6024	6995	8159
Shot weight (g)	2039	2446	2890	3371	2936	3468	4045	4667	3974	4636	5348	6208	4804	5542	6435	7506
Injection pressure (MPa)	218	181	154	134	213	180	154	134	209	179	155	134	210	182	157	135
L/D ratio	21.9	20	21.6	20	21.7	22	21.5	20	21.6	20	21.6	20	23.7	22	21.6	20
Injection rate (cm³/s)	520	624	737	860	615	726	847	980	766	894	1031	1197	815	940	1092	1273
Max.injection speed (mm/s)		93	.9			92	2.5			9	7.6			8	19	
Screw stroke (mm)		40	00			48	30			5!	50			5	70	
Max.screw speed (r/min)		15	4			14	15			12	28			11	12	
Barrel heating zone (PCS)		6	)			-	7			-	7			8	3	
							С	LAMPII	NG UNI	Т						
Clamping force (kN)								110	000							
Opening force (kN)								76	50							
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	00							
Ejector force (KN)								27	74							
Ejector stroke (mm)								36	50							
Ejector number (PCS)								2	5							
							I	POWER	R UNIT							
System pressure (MPa)		17.5	/30			17.5	/30			17.5	/30			17.5/	/30	
Pump motor (kW)		66+	-5.5			89+	-7.5			110-	+7.5			89+37	7+7.5	
Total power (kW)	108.6	108.6	118.5	118.5	143.5	143.5	153.1	153.1	169.3	169.3	178.4	178.4	199.9	199.9	204.1	204.1
Heater power (kW)	37.14	37.14	47	47	47	47	56.6	56.6	51.76	51.76	60.9	60.9	66.37	66.37	70.63	70.63

1. Opening force refers to mold opening force generated during high-pressure mold open							
	1	Opening force	refers to molo	Lopening force	generated a	durina hiah-n	ressure mold open

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

1150

10×3.3×3.1

GENERAL

1400

10.1×3.3×3.1

1600

10.7×3.3×3.1

3. Mold-bearing capacity of the movable platen is 2/3 of total mold weight.

Oil tank capacity (L)

Machine dimensions (m)

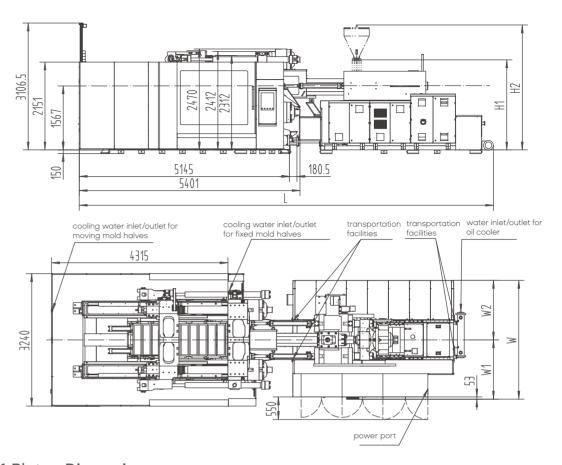
Max. mold weight (T)

- 4. The shot weight is calculated by GPPS and it is 0.92 times of the theoretical shot volume.
- $5. \ Three \ kinds of screws are available for each model and the medium one is standard on the machine.$
- $6. The injection unit data are in international units and calculated as follows: theoretical shot volume [cm³] \times injection pressure (MPa)/100$
- 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.

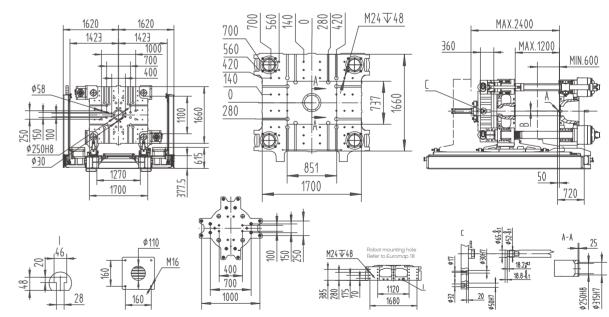
1000

10×3.3×3.1

#### **UN1100D1 Machine Dimensions**



#### UN1100D1 Platen Dimensions



Model					H2			W2			Bearing capacity of foundation		Cooling water flow (mold excluded)	Cooling water pressure	Compressed air pressure
	mm	mm	mm	mm	mm	mm	mm	mm	mm²	А	t/m²	n×L/min	L/min	bar	bar
UN1100D1-IU4800	SR15	Ф4.5	10004	1752	2617	2333	1113	1220	70	215.49	8	(8+8)×11	100	3~4	5~6
UN1100D1-IU6800	SR15	Ф4.5	10004	1752	2617	2711	1352	1359	75	259.84	8	(8+8)×11	100	3~4	5~6
UN1100D1-IU9000	SR15	Ф4.5	10134	2136	2978	2906	1450.5	1455.5	95	316.71	8	(8+8)×11	100	3~4	5~6
UN1100D1-IU10900	SR20	Ф6	10604	2171	3013	2906	1450.5	1455.5	120	370.88	8	(8+8)×11	100	3~4	5~6

#### UN1200D1 Specifications

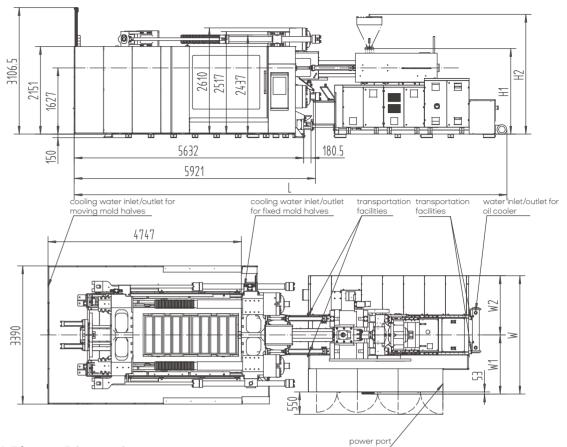
Model   IU4800   IU6800   IU6800   IU6000   IU6000   IU60000   IU60000   IU6000000   IU6000000000000000000000000000000000000					Т	DN UNI	JECTIC	IN-							
Shot volume (cm³)	00	IU10900		000	IU9			300	IU68			800	IU4		Model
Shot weight (g)	125 135	108 116 125	125	116	108	100	116	108	100	92	108	100	92	84	Screw diameter (mm)
Table   Tabl	6995   8159	5222 6024 6995	6748	5813	5038	4320	5073	4397	3770	3191	3664	3142	2659	2217	Shot volume (cm³)
L/D ratio 219 20 21.6 20 21.7 22 21.5 20 21.6 20 21.6 20 23.7 22 21.6 lnjection rate (cm3/s) 520 624 737 860 615 726 847 980 766 894 1031 1197 815 940 1092 Max.injection speed (rmm/s) 93.9 92.5 97.6 894 1031 1197 815 940 1092 Max.screw speed (r/min) 154 145 145 128 1128 1112 Barrel heating zone (PCS) 6 7 7 8 128 1112	6435 7506	4804 5542 6435	6208	5348	4636	3974	4667	4045	3468	2936	3371	2890	2446	2039	Shot weight (g)
Max.injection rate (cm³/s)   520   624   737   860   615   726   847   980   766   894   1031   1197   815   940   1092	157 135	210 182 157	134	155	179	209	134	154	180	213	134	154	181	218	Injection pressure (MPa)
Max.injection speed (mm/s)         93.9         92.5         97.6         89           Screw stroke (mm)         400         480         550         570           Max.screw speed (r/min)         154         145         128         112           Barrel heating zone (PCS)         6         7         7         8           CLAMPING UNIT           A 8           CLAMPING UNIT           1300 x 1200           Max and a strong unit of the property of the propert	21.6 20	23.7 22 21.6	20	21.6	20	21.6	20	21.5	22	21.7	20	21.6	20	21.9	L/D ratio
Screw stroke (mm)         400         480         550         570           Max.screw speed (r/min)         154         145         128         112           Barrel heating zone (PCS)         6         7         7         8           CLAMPING UNIT           Clamping force (kN)           Copening force (kN)         875           Platen size (mm)         1860×1760           Space between tie bars (mm)           Max. mold thickness (mm)         1250           Min. mold thickness (mm)         600           Opening stroke (mm)         2050/1400           Mox. daylight (mm)         2650           Ejector force (KN)         274           Ejector stroke (mm)         360           Ejector number (PCS)         25           POWER UNIT           System pressure (MPa)         17.5/30         17.5/30         17.5/30         17.5/30           Pump motor (kW)         66+5.5         89+7.5         110+7.5         89+37+7.5	1092   1273	815 940 1092	1197	1031	894	766	980	847	726	615	860	737	624	520	Injection rate (cm³/s)
Max.screw speed (r/min)       154       145       128       112         Barrel heating zone (PCS)       6       7       7       8         CLAMPING UNIT         12000         M80 × 1760         Space between tie bars (mm)         M80 × 1760         Space between tie bars (mm)         M80 × 1760         Max. mold thickness (mm)         Max. mold thickness (mm)         Opening stroke (mm)         Max. mold thickness (mm)       Max. mold thickness (mm)															

- 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; data after the slash refer to opening stroke with maximum mold height.
- 3. Mold-bearing capacity of the movable platen is 2/3 of total mold weight.

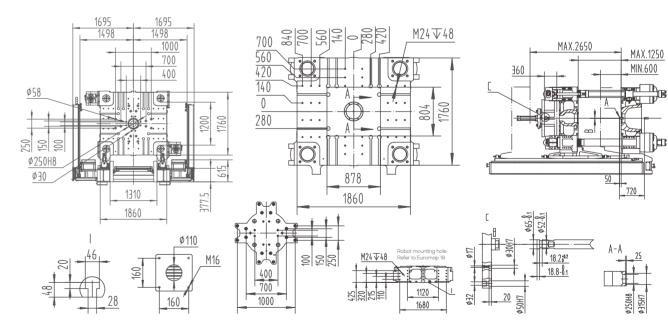
Max. mold weight (T)

- 4. The shot weight is calculated by GPPS and it is 0.92 times of the theoretical shot volume.
- 5. Three kinds of screws are available for each model and the medium one is standard on the machine.
- $6. The injection unit data are in international units and calculated as follows: theoretical shot volume [cm³] \times injection pressure (MPa)/100 in the injection of the injectio$
- 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.

#### UN1200D1 Machine Dimensions



#### UN1200D1 Platen Dimensions



Model					H2			W2			Bearing capacity of foundation		Cooling water flow (mold excluded)	Cooling water pressure	Compressed air pressure
	mm	mm	mm	mm	mm	mm	mm	mm	mm²	Α	t/m²	n×L/min	L/min	bar	bar
UN1200D1-IU4800	SR15	Ф4.5	10491	1812	2677	2333	1113	1220	70	215.49	8	(8+8)×11	100	3~4	5~6
UN1200D1-IU6800	SR15	Ф4.5	10491	1812	2677	2711	1352	1359	75	259.84	8	(8+8)×11	100	3~4	5~6
UN1200D1-IU9000	SR15	Ф4.5	10621	2196	3038	2906	1450.5	1455.5	95	316.71	8	(8+8)×11	100	3~4	5~6
UN1200D1-IU10900	SR20	Ф6	11091	2231	3073	2906	1450.5	1455.5	120	370.88	8	(8+8)×11	100	3~4	5~6

#### UN1300D1 Specifications

							IN	IJECTI(	INU NC	Т					
Model		IU68	300			IU90	000			IU10	900			IU14500	
Screw diameter (mm)	92	100	108	116	100	108	116	125	108	116	125	135	125	135	145
Shot volume (cm³)	3191	3770	4397	5073	4320	5038	5813	6748	5222	6024	6995	8159	7977	9304	10733
Shot weight (g)	2936	3468	4045	4667	3974	4636	5348	6208	4804	5542	6435	7506	7339	8560	9875
Injection pressure (MPa)	213	180	154	134	209	179	155	134	210	182	157	135	181	156	135
L/D ratio	21.7	22	21.5	20	21.6	20	21.6	20	23.7	22	21.6	20	23.6	22	20
Injection rate (cm³/s)	615	726	847	980	766	894	1031	1197	815	940	1092	1273	1316	1536	1772
Max.injection speed (mm/s)		92	2.5			97	7.6			8	39			107	
Screw stroke (mm)		48	30			5	50			5	70			650	
Max.screw speed (r/min)		14	15			12	28			11	12			120	
Barrel heating zone (PCS)		-	7			-	7			8	В			8	
							C	I AMPI	NG UN	IT					

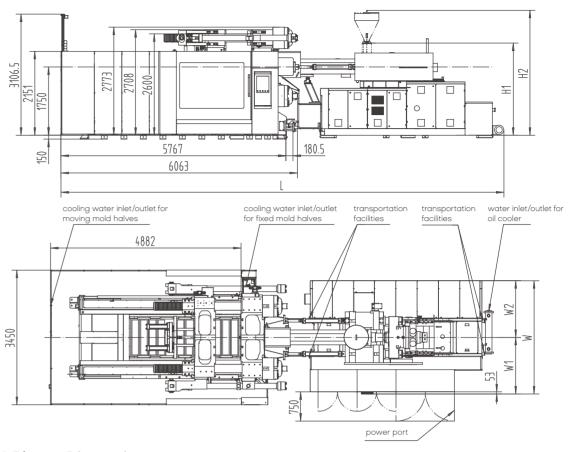
	CLAMPING UNIT
Clamping force (kN)	13000
Opening force (kN)	875
Platen size (mm)	1975×1875
Space between tie bars (mm)	1390×1280
Max. mold thickness (mm)	1350
Min. mold thickness (mm)	650
Opening stroke (mm)	2200/1500
Max. daylight (mm)	2850
Ejector force (KN)	274
Ejector stroke (mm)	360
Ejector number (PCS)	25

		POWE	R UNIT	
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+11
Total power (kW)	143.5 143.5 153.1 153.1	169.3 169.3 178.4 178.4	199.9 199.9 204.1 204.1	253.7
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	87.7
		GENI	ERAL	

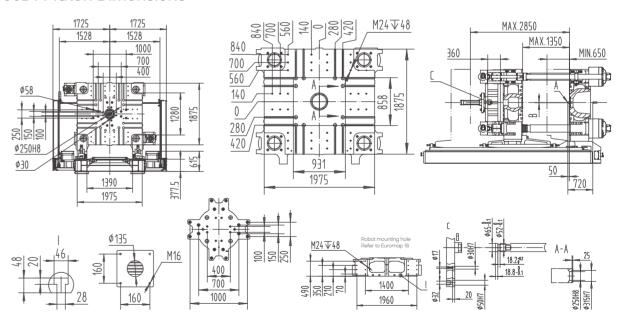
		GENI	ERAL	
Oil tank capacity (L)	1150	1400	1600	2100
Machine dimensions (m)	10.8×3.5×3.1	10.9×3.5×3.2	11.4×3.5×3.2	11.7×3.5×3.5
Max. mold weight (T)	23	23	23	23

- 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; data after the slash refer to 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. Three kinds of screws are available for each model and the medium one is standard on the machine.
- $6. The injection unit data are in international units and calculated as follows: theoretical shot volume [cm³] \times injection pressure (MPa)/100$
- 7. The green figures are standard specifications of clamping unit and injection unit.
- $8. \ \ \text{Because of constant technical improvement, the machine specifications are subject to change without notice.}$

#### UN1300D1 Machine Dimensions



#### UN1300D1 Platen Dimensions



ı	Model	А	В	L	H1	H2	W	W1	W2	Main power	Full-load current	Bearing capacity of foundation	Mold cooling water ports	Cooling water flow (mold excluded)	Cooling water pressure	Compressed air pressure
		mm	mm	mm	mm	mm	mm	mm	mm	mm²	А	t/m²	n×L/min	L/min	bar	bar
	UN1300D1-IU6800	SR15	Ф4.5	10756	1935	2800	2711	1352	1359	95	259.84	8	(8+8)×11	100	3~4	5~6
	UN1300D1-IU9000	SR15	Ф4.5	10886	2319	3161	2906	1450.5	1455.5	95	316.71	8	(8+8)×11	100	3~4	5~6
	UN1300D1-IU10900	SR20	Ф6	11356	2354	3196	2906	1450.5	1455.5	120	370.88	8	(8+8)×11	100	3~4	5~6
	UN1300D1-IU14500	SR20	Ф8	11681	2473	3460	3146	1548	1598	150	470.42	8	(8+8)×11	250	3~4	5~6

#### UN1400D1 Specifications

							IN	JECTIC	DN UNI	т _						
Model		IU68	300			IU90	000			IU10	900			IU14500		
Screw diameter (mm)	92	100	108	116	100	108	116	125	108	116	125	135	125	135	145	
Shot volume (cm³)	3191	3770	4397	5073	4320	5038	5813	6748	5222	6024	6995	8159	7977	9304	10733	
Shot weight (g)	2936	3468	4045	4667	3974	4636	5348	6208	4804	5542	6435	7506	7339	8560	9875	
Injection pressure (MPa)	213	180	154	134	209	179	155	134	210	182	157	135	181	156	135	
L/D ratio	21.7	22	21.5	20	21.6	20	21.6	20	23.7	22	21.6	20	23.6	22	20	
Injection rate (cm³/s)	615	726	847	980	766	894	1031	1197	815	940	1092	1273	1316	1536	1772	
Max.injection speed (mm/s)		92	2.5			9	7.6			8	19		107			
Screw stroke (mm)		48	30			5	50			5	70		650			
Max.screw speed (r/min)		14	15			1.	28			11	12		120			
Barrel heating zone (PCS)		-	7				7			8	3			8		
							С									
Clamping force (kN)		14000 950														
Opening force (kN)																
Platen size (mm)																
Space between tie bars (mm)								1470	×1360							
Max. mold thickness (mm)																
Min. mold thickness (mm)					700											
Opening stroke (mm)								2350	/1600							
Max. daylight (mm)								30	050							
Ejector force (KN)								3	00							
Ejector stroke (mm)								4	00							
Ejector number (PCS)								2	25							
							F	POWER	R UNIT							
System pressure (MPa)		17.5	/30			17.5	/30			17.5	5/30			17.5/30		
Pump motor (kW)		89+	-7.5			110-	+7.5			89+3	7+7.5			89+66+11		
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	204.1		253.7		
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	3 87.7			
								GENE	NERAL							
Oil tank capacity (L)		115	50			14	00			16	00		2100			

- 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; data after the slash refer to opening stroke with maximum mold height.

11.2×3.6×3.3

12×3.6×3.5

27

3. Mold-bearing capacity of the movable platen is 2/3 of total mold weight.

Machine dimensions (m)

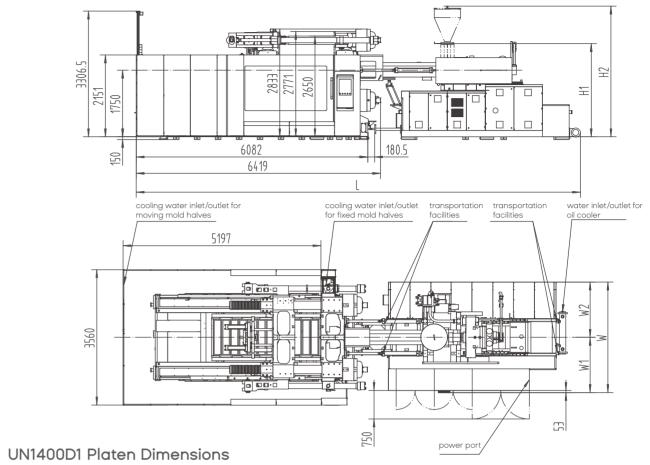
Max. mold weight (T)

- 4. The shot weight is calculated by GPPS and it is 0.92 times of the theoretical shot volume.
- 5. Three kinds of screws are available for each model and the medium one 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.

11.1×3.6×3.3

27

#### UN1400D1 Machine Dimensions



## 1780   1780   1583   1583   1583   1583   1583   1000	840 700 140 280 420 985 2072	MAX.3050 MAX.1450 MIN.700 50 720
2072 M16		18.25°2 18.8-0.1 18.8-0.1 20 18.8-0.1 20 18.8-0.1

Model					H2			W2			Bearing capacity of foundation		Cooling water flow (mold excluded)	Cooling water pressure	Compressed air pressure
	mm	mm	mm	mm	mm	mm	mm	mm	mm²	Α	t/m²	n×L/min	L/min	bar	bar
UN1400D1-IU6800	SR15	Ф4.5	11072	1935	2800	2711	1352	1359	75	259.84	8	(8+8)×11	100	3~4	5~6
UN1400D1-IU9000	SR15	Ф4.5	11202	2319	3161	2906	1450.5	1455.5	95	316.71	8	(8+8)×11	100	3~4	5~6
UN1400D1-IU10900	SR20	Ф6	11672	2354	3196	2906	1450.5	1455.5	120	370.88	8	(8+8)×11	100	3~4	5~6
UN1400D1-IU14500	SR20	Ф8	11997	2473	3460	3146	1548	1598	150	470.42	8	(8+8)×11	250	3~4	5~6

#### UN1600D1 Specifications

							IN	JECTIC	ON UNIT						
Model		IU90	000			IU10	900			IU14500			IU1	18500	
Screw diameter (mm)	100	108	116	125	108	116	125	135	125	135	145	135	145	155	165
Shot volume (cm³)	4320	5038	5813	6748	5222	6024	6995	8159	7977	9304	10733	10020	11559	13208	14968
Shot weight (g)	3974	4636	5348	6208	4804	5542	6435	7506	7339	8560	9875	9218	10634	12152	13770
Injection pressure (MPa)	209	179	155	134	210	182	157	135	181	156	135	184	160	140	123
L/D ratio	21.6	20	21.6	20	23.7	22	21.6	20	23.6	22	20	23.6	22	22	20
Injection rate (cm³/s)	766	894	1031	1197	815	940	1092	1273	1316	1536	1772	1301	1502	1717	1946
Max.injection speed (mm/s)		97	7.6			8	9			107			9	71	
Screw stroke (mm)		55	50			5	70			650			70	00	
Max.screw speed (r/min)		12	28			1	12			120			12	20	
Barrel heating zone (PCS)		-	7			8	3			8			8	3	
							С	LAMPII	NG UNIT						
Clamping force (kN)	16000														
Opening force (kN)								110	00						
Platen size (mm)								2200>	×2100						
Space between tie bars (mm)		1550×1450													
Max. mold thickness (mm)								15	50						
Min. mold thickness (mm)								70	00						
Opening stroke (mm)								2600	/1750						
Max. daylight (mm)								33	00						
Ejector force (KN)								30	00						
Ejector stroke (mm)								40	00						
Ejector number (PCS)								2	5						
							I	POWER	RUNIT						
System pressure (MPa)		17.5	/30			17.5	/30			17.5/30			17.5	/30	
Pump motor (kW)		110-	+7.5			89+3	7+7.5			89+66+11			89+6	66+11	
Total power (kW)	169.3	169.3	178.4	178.4	199.9	199.9	204.1	204.1		253.7			260	3.8	
Heater power (kW)	51.76	51.76	60.9	60.9	66.37	66.37 66.37 70.63 70.63 87.7						97.8			

1. Opening force refers to mold opening force generated during high-pressure mold opening	oen.

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

1600

12.1×3.7×3.5

GENERAL

12.5×3.7×3.6

2100

12.5×3.7×3.6

34

3. Mold-bearing capacity of the movable platen is 2/3 of total mold weight.

Oil tank capacity (L)

Machine dimensions (m)

Max. mold weight (T)

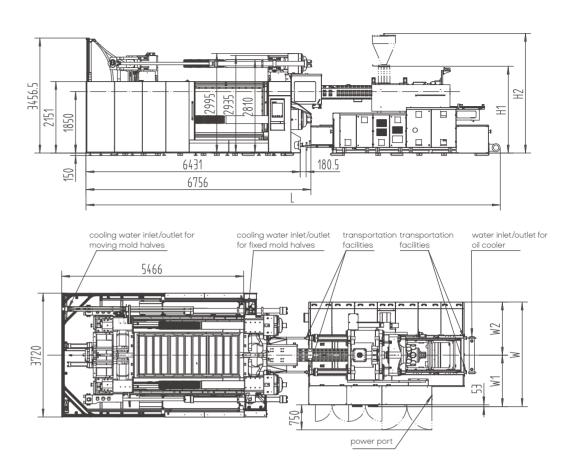
- 4. The shot weight is calculated by GPPS and it is 0.92 times of the theoretical shot volume.
- 5. Three kinds of screws are available for each model and the medium one is standard on the machine.
- $6. The injection unit data are in international units and calculated as follows: theoretical shot volume [cm³] \times injection pressure (MPa)/100$
- 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.

1400

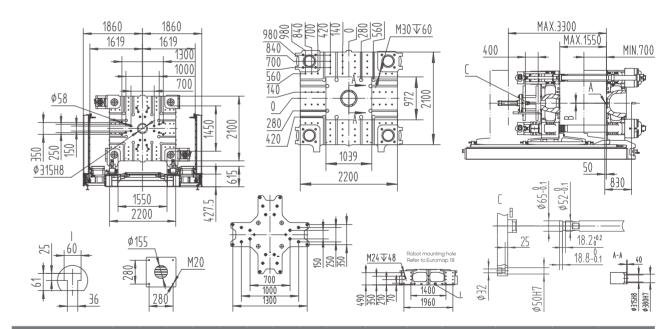
11.7×3.7×3.5

34

#### UN1600D1 Machine Dimensions



#### UN1600D1 Platen Dimensions



Model					H2			W2	Main power     cord size		Bearing    capacity of  foundation		Cooling water     flow     (mold excluded)	Cooling water pressure	Compressed air pressure
	mm	mm	mm	mm	mm	mm	mm	mm	mm²	Α	t/m²	n×L/min	L/min	bar	bar
UN1600D1-IU9000	SR15	Ф4.5	11651	2419	3261	2906	1450.5	1455.5	95	316.71	10.5	(8+8)×11	100	3~4	5~6
UN1600D1-IU10900	SR20	Ф6	12121	2454	3296	2906	1450.5	1455.5	120	370.88	10.5	(8+8)×11	100	3~4	5~6
UN1600D1-IU14500	SR20	Ф8	12446	2573	3560	3146	1548	1598	150	470.42	10.5	(8+8)×11	250	3~4	5~6
UN1600D1-IU18500	SR20	Ф8	12446	2589	3576	3146	1548	1598	150	491.15	10.5	(8+8)×11	250	3~4	5~6

#### UN1850D1 Specifications

							IN.	JECTIC	DN UNIT						
Model		IU90	000			IU10	900			IU14500			IU185	500	
Screw diameter (mm)	100	108	116	125	108	116	125	135	125	135	145	135	145	155	165
Shot volume (cm³)	4320	5038	5813	6748	5222	6024	6995	8159	7977	9304	10733	10020	11559	13208	14968
Shot weight (g)	3974	4636	5348	6208	4804	5542	6435	7506	7339	8560	9875	9218	10634	12152	13770
Injection pressure (MPa)	209	179	155	134	210	182	157	135	181	156	135	184	160	140	123
L/D ratio	21.6	20	21.6	20	23.7	22	21.6	20	23.6	22	20	23.6	22	22	20
Injection rate (cm³/s)	766	894	1031	1197	815	940	1092	1273	1316	1536	1772	1301	1502	1717	1946
Max.injection speed (mm/s)		97	7.6				39			107	91				
Screw stroke (mm)		55	50			5	70			650			70	00	
Max.screw speed (r/min)		12	28			1	12			120		120			
Barrel heating zone (PCS)		-	7				В			8			8	3	
							C	LAMPII							
Clamping force (kN)		18500													
Opening force (kN)															
Platen size (mm)								2310>	<2210						
Space between tie bars (mm)								1650>	<1550						
Max. mold thickness (mm)															
Min. mold thickness (mm)															
Opening stroke (mm)								2600	/1750						
Max. daylight (mm)								33	50						
Ejector force (KN)		460													
Ejector stroke (mm)								43	30						
Ejector number (PCS)								3	3						
							F	POWER	RUNIT						
System pressure (MPa)		17.5/30 17.5/30 17.5/30 17.5/30											/30		
Pump motor (kW)		110+	7.5			89+3	7+7.5		89+66+11				89+6	6+11	
Total power (kW)	169.3	169.3	178.4	178.4	199.9	199.9	204.1	204.1	1.1 253.7				263	3.8	
Heater power (kW)	51.76	51.76	60.9	60.9	66.37	66.37	70.63	70.63			97.8				
								GENE	RAL						
Oil tank capacity (L)		140	00			16	00			2100		2100			

- 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; data after the slash refer to opening stroke with maximum mold height.

12.4×3.9×3.5

42

12.8×3.9×3.7

42

12.8×3.9×3.7

42

3. Mold-bearing capacity of the movable platen is 2/3 of total mold weight.

Machine dimensions (m)

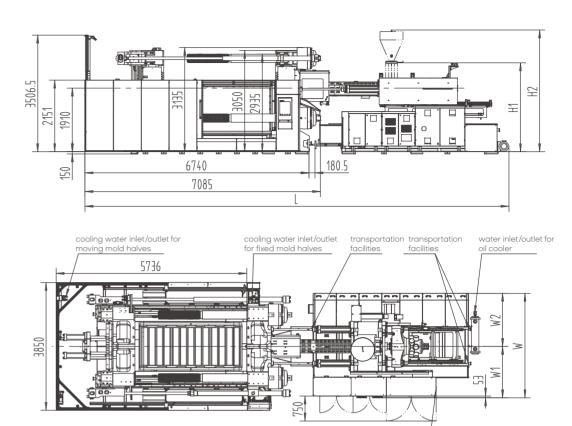
Max. mold weight (T)

- 4. The shot weight is calculated by GPPS and it is 0.92 times of the theoretical shot volume.
- 5. Three kinds of screws are available for each model and the medium one is standard on the machine.
- $6. The injection unit data are in international units and calculated as follows: theoretical shot volume [cm³] \times injection pressure (MPa)/100$
- 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.

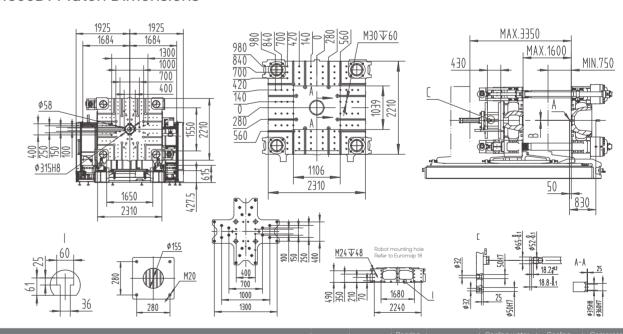
12×3.9×3.5

42

#### UN1850D1 Machine Dimensions



#### UN1850D1 Platen Dimensions



Model					H2			W2	Main power cord size		capacity of foundation		Cooling water   flow   (mold excluded)	water pressure	Compressed air pressure
	mm	mm	mm	mm	mm	mm	mm	mm	mm²	А	t/m²	n×L/min	L/min	bar	bar
UN1850D1-IU9000	SR15	Ф4.5	11960	2479	3321	2906	1450.5	1455.5	95	316.71	10.5	(8+8)×11	100	3~4	5~6
UN1850D1-IU10900	SR20	Ф6	12430	2514	3356	2906	1450.5	1455.5	120	370.88	10.5	(8+8)×11	100	3~4	5~6
UN1850D1-IU14500	SR20	Ф8	12756	2633	3620	3146	1548	1598	150	470.42	10.5	(8+8)×11	250	3~4	5~6
UN1850D1-IU18500	SR20	Ф8	12756	2649	3636	3146	1548	1598	150	491.15	10.5	(8+8)×11	250	3~4	5~6

#### UN2100D1 Specifications

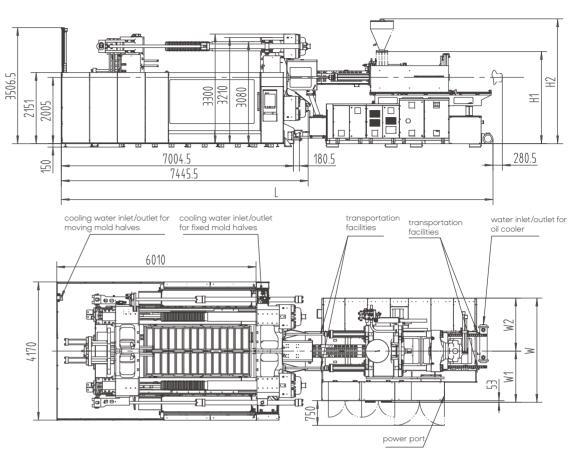
								II.	IJECTI	ON UN	IT				
Model		IU10	900			IU14500			IU18	500			IU23750		IU37500
Screw diameter (mm)	108	116	125	135	125	135	145	135	145	155	165	145	155	165	185
Shot volume (cm³)	5222	6024	6995	8159	7977	9304	10733	10020	11559	13208	14968	12385	14152	16037	26343
Shot weight (g)	4804	5542	6435	7506	7339	8560	9875	9218	10634	12152	13770	11394	13020	14754	24235
Injection pressure (MPa)	210	182	157	135	181	156	135	184	160	140	123	190	167	147	151
L/D ratio	23.7	22	21.6	20	23.6	22	20	23.6	22	22	20	23.5	22	20.1	22
Injection rate (cm³/s)	815	940	1092	1273	1316	1536	1772	1301	1502	1717	1946	1532	1750	1983	1934
Max.injection speed (mm/s)		8	9			107			9	71			92.7		71.9
Screw stroke (mm)		57	70			650			70	00			750		980
Max.screw speed (r/min)		11	2			120			12	20			120		80
Barrel heating zone (PCS)		8	;			8			8	В			10		10
								C	LAMP	ING UN	IIT				
Clamping force (kN)									210	000					
Opening force (kN)									13	80					
Platen size (mm)									2620	×2320					
Space between tie bars (mm)									1800	×1600					
Max. mold thickness (mm)									17	00					
Min. mold thickness (mm)									8	00					
Opening stroke (mm)									2700	/1800					
Max. daylight (mm)									35	500					
Ejector force (KN)									4	60					
Ejector stroke (mm)									4	30					
Ejector number (PCS)									2	25					
									POWE	R UNIT					
System pressure (MPa)		17.5	/30			17.5/30			17.5	5/30			17.5/30		17.5/30
Pump motor (kW)		89+3	7+7.5			89+66+11			89+	66+11			110+89+11	l	110+89+11
Total power (kW)	199.9	199.9	204.1	204.1		253.7			26	3.8			322.4		357.5
Heater power (kW)	66.37	66.37	70.63	70.63		87.7			9	7.8			112.4		147.5
									GEN	ERAL					
Oil tank capacity (L)		160	00			2100			21	00			2850		2850
Machine dimensions (m)		12.7×4	.2×3.5		10	3.0×4.2×3	.8		13.0×4	2×3.8		1	5.5×4.2×3	.9	15.5×4.2×3.9

- 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; data after the slash refer to opening stroke with maximum mold height.
- 3. Mold-bearing capacity of the movable platen is 2/3 of total mold weight.

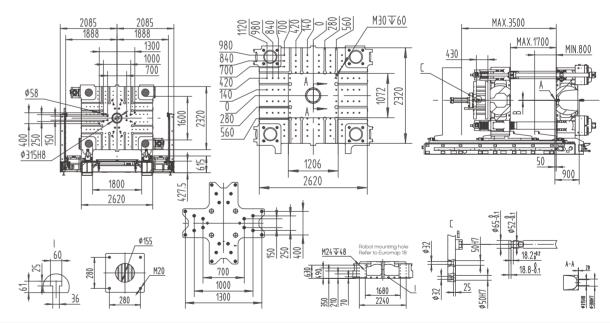
Max. mold weight (T)

- 4. The shot weight is calculated by GPPS and it is 0.92 times of the theoretical shot volume.
- 5. Three kinds of screws are available for each model and the medium one is standard on the machine.
- $6. The injection unit data are in international units and calculated as follows: theoretical shot volume [cm³] \times injection pressure (MPa)/100$
- 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.

#### UN2100D1 Machine Dimensions



#### UN2100D1 Platen Dimensions



Model					H2			W2			Bearing capacity of foundation		Cooling water flow (mold excluded)	Cooling water pressure	Compressed air pressure
	mm	mm	mm	mm	mm	mm	mm	mm	mm²	Α	t/m²	n×L/min	L/min	bar	bar
UN2100D1-IU10900	SR20	Ф6	12695	2609	3451	2906	1450.5	1455.5	120	370.88	12.5	(8+8)×11	100	3~4	5~6
UN2100D1-IU14500	SR20	Ф8	13021	2728	3715	3146	1548	1598	150	470.42	12.5	(8+8)×11	250	3~4	5~6
UN2100D1-IU18500	SR20	Ф8	13021	2744	3731	3146	1548	1598	150	491.15	12.5	(8+8)×11	250	3~4	5~6
UN2100D1-IU23750	SR25	Ф8	15475	2754	3760	3660.5	1847.5	1813	185	652.49	12.5	(8+8)×11	350	3~4	5~6
UN2100D1-IU37500	SR25	Ф8	15475	2830	3817	3660.5	1847.5	1813	185	806.34	12.5	(8+8)×11	350	3~4	5~6

#### UN2400D1 Specifications

Opening stroke (mm)

Max. daylight (mm)

Ejector force (KN)

Ejector stroke (mm)

Ejector number (PCS)

Max. mold weight (T)

						11	NJECTI	ON UNIT				
Model		IU14500			IU18	500			IU23750		IU37500	IU50000
Screw diameter (mm)	125	135	145	135	145	155	165	145	155	165	185	200
Shot volume (cm³)	7977	9304	10733	10020	11559	13208	14968	12385	14152	16037	26343	35186
Shot weight (g)	7339	8560	9875	9218	10634	12152	13770	11394	13020	14756	24235	32371
Injection pressure (MPa)	181	156	135	184	160	140	123	190	167	147	151	158
L/D ratio	23.6	22	20	23.6	22	22	20	23.5	22	20.1	22	22
Injection rate (cm³/s)	1316	1536	1772	1301	1502	1717	1946	1532	1750	1983	1934	1843
Max.injection speed (mm/s)		107			ς	71			92.7		71.9	58.7
Screw stroke (mm)		650			70	00			750		980	1120
Max.screw speed (r/min)		120			12	20			120		80	67
Barrel heating zone (PCS)		8				8			10		10	9
						(	CLAMP	ING UNIT	-			
Clamping force (kN)							240	000				
Opening force (kN)							16	40				
Platen size (mm)							2682	×2482				
Space between tie bars (mm)							1900	×1700				
Max. mold thickness (mm)							18	00				
Min. mold thickness (mm)							80	00				

		POWE	ER UNIT		
System pressure (MPa)	17.5/30	17.5/30	17.5/30	17.5/30	17.5/30
Pump motor (kW)	89+66+11	89+66+11	110+89+11	110+89+11	110+89+11
Total power (kW)	253.7	263.8	322.4	357.5	403
Heater power (kW)	87.7	97.8	112.4	147.5	193
		GEN	IERAL		
Oil tank capacity (L)	2100	2100	2850	2850	2850
Machine dimensions (m)	13.3×4.3×3.8	13.3×4.3×3.8	15.8×4.3×3.9	15.8×4.3×3.9	16.5×4.3×4.0

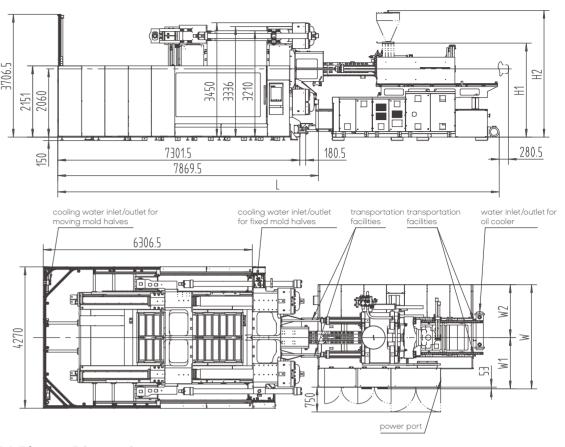
3800

460

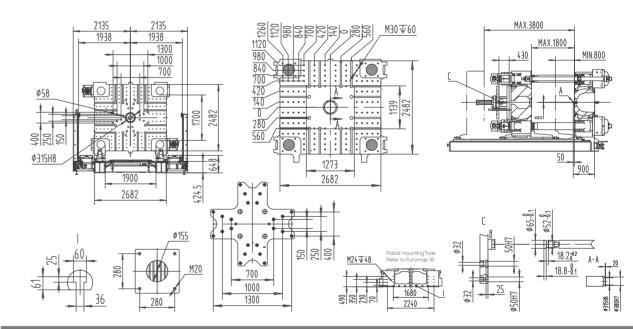
430

- 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; data after the slash refer to 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. Three kinds of screws are available for each model and the medium one is standard on the machine.
- $6. The injection unit data are in international units and calculated as follows: theoretical shot volume [cm³] \times injection pressure (MPa)/100$
- 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.

#### **UN2400D1 Machine Dimensions**



#### UN2400D1 Platen Dimensions



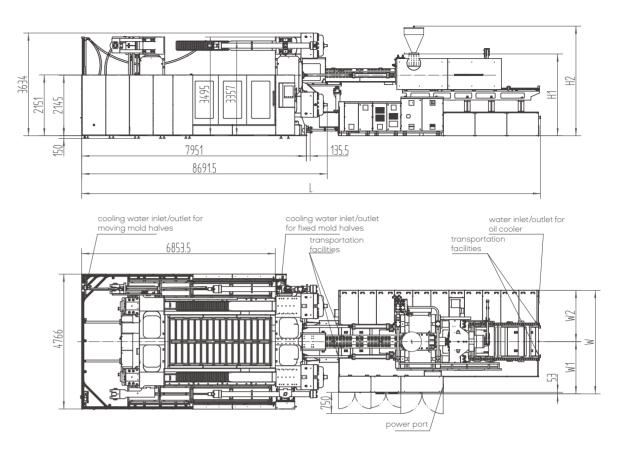
ı	Model					H2			W2			Bearing capacity of foundation		Cooling water flow (mold excluded)	Cooling water pressure	Compressed air pressure
		mm	mm	mm	mm	mm	mm	mm	mm	mm²	Α	t/m²	n×L/min	L/min	bar	bar
	UN2400D1-IU14500	SR20	Ø8	13318	2783	3770	3146	1548	1598	150	470.42	12.5	(8+8)×11	250	3~4	5~6
	UN2400D1-IU18500	SR20	Ø8	13318	2799	3786	3146	1548	1598	150	491.15	12.5	(8+8)×11	250	3~4	5~6
	UN2400D1-IU23750	SR25	Ø8	15772	2809	3815	3660.5	1847.5	1813	185	652.49	12.5	(8+8)×11	350	3~4	5~6
	UN2400D1-IU37500	SR25	Ø8	15772	2885	3872	3660.5	1847.5	1813	185	806.34	12.5	(8+8)×11	350	3~4	5~6
	UN2400D1-IU50000	SR28	Ø12	16472	2880	3867	3660.5	1847.5	1813	185	780.83	12.5	(8+8)×11	350	3~3	5~6

#### UN2850D1 Specifications

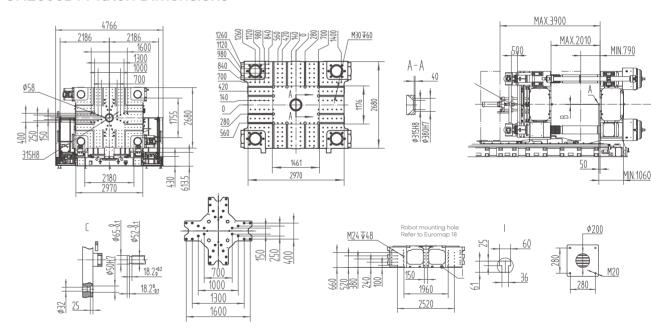
							INJECTIO	ON UNIT	
Model		IU18	3500			IU23750		IU37500	IU50000
Screw diameter (mm)	135	145	155	165	145	155	165	185	200
Shot volume (cm³)	10020	11559	13208	14968	12385	14152	16037	26343	35186
Shot weight (g)	9218	10634	12152	13770	11394	13020	14756	24235	32371
Injection pressure (MPa)	184	160	140	123	190	167	147	151	158
L/D ratio	23.6	22	22	20	23.5	22	20.1	22	22
Injection rate (cm³/s)	1301	1502	1717	1946	1532	1750	1983	1934	1843
Max.injection speed (mm/s)		9	71			92.7		71.9	58.7
Screw stroke (mm)		70	00			750		980	1120
Max.screw speed (r/min)		12	20			120		80	67
Barrel heating zone (PCS)		8	В			10		10	9
							CLAMPIN	NG UNIT	
Clamping force (kN)							285	500	
Opening force (kN)							22	00	
Platen size (mm)							2970×	<2680	
Space between tie bars (mm)							2180>	×1755	
Max. mold thickness (mm)							20	10	
Min. mold thickness (mm)							79	90	
Opening stroke (mm)							31	10	
Max. daylight (mm)							39	00	
Ejector force (KN)							46	60	
Ejector stroke (mm)							50	00	
Ejector number (PCS)							3	3	
							POWER	RUNIT	
System pressure (MPa)		17.5/	30			17.5/30		17.5/30	17.5/30
Pump motor (kW)		89+6	6+11			110+89+11		110+89+11	110+89+11
Total power (kW)		263	8.8			322.4		357.5	403
Heater power (kW)		97.	8			112.4		147.5	193
							GENE	RAL	
Oil tank capacity (L)		210	00			2850		2850	2850
Machine dimensions (m)		13.8×4	.8×3.6		1	6.2×4.8×3	.6	16.2×4.8×3.6	16.6×4.8×3.6
Max. mold weight (T)		75	5			75		75	75

- 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; data after the slash refer to 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. Three kinds of screws are available for each model and the medium one 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.

#### **UN2850D1 Machine Dimensions**



#### **UN2850D1 Platen Dimensions**



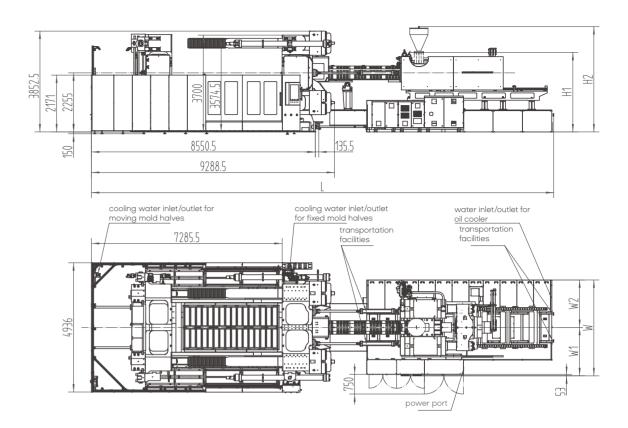
Model					H2			W2	Main power     cord size		Bearing capacity of foundation		Cooling water flow (mold excluded)	Cooling water pressure	Compressed air pressure
	mm	mm	mm	mm	mm	mm	mm	mm	mm²	Α	t/m²	n×L/min	L/min	bar	bar
UN2850D1-IU18500	SR20	Ø8	13787.5	2945	3926	3146	1548	1598	150	491.15	14.5	(8+8)×11	250	3~4	5~6
UN2850D1-IU23750	SR25	Ø8	16241.5	2955	3942	3660.5	1847.5	1813	185	652.49	14.5	(8+8)×11	350	3~4	5~6
UN2850D1-IU37500	SR25	Ø8	16241.5	2965	3971	3660.5	1847.5	1813	185	806.34	14.5	(8+8)×11	350	3~4	5~6
UN2850D1-IU50000	SR28	Ø12	16631.5	3041	4028	3660.5	1847.5	1813	185	780.83	14.5	(8+8)×11	350	3~4	5~6

#### UN3400D1 Specifications

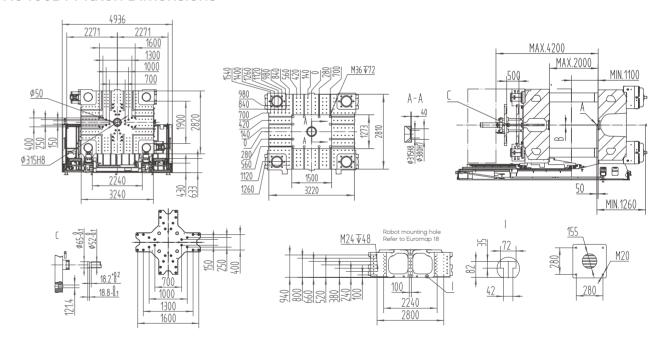
					INJI	ECTION	UNIT		
Model		IU18500				IU23750		IU37500	IU50000
Screw diameter (mm)	135	145	155	165	145	155	165	185	200
Shot volume (cm³)	10020	11559	13208	14968	12385	14152	16037	26343	35186
Shot weight (g)	9218	10634	12152	13770	11394	13020	14756	24235	32371
Injection pressure (MPa)	184	160	140	123	190	167	147	151	158
L/D ratio	23.6	22	22	20	23.5	22	20.1	22	22
Injection rate (cm³/s)	1301	1502	1717	1946	1532	1750	1983	1934	1843
Max.injection speed (mm/s)			91			92.7		71.9	58.7
Screw stroke (mm)		7	00			750		980	1120
Max.screw speed (r/min)		1	20			120		80	67
Barrel heating zone (PCS)			8			10		10	9
					CL	AMPING	UNIT		
Clamping force (kN)						34000			
Opening force (kN)						2550			
Platen size (mm)						3220×28	10		
Space between tie bars (mm)						2240×190	00		
Max. mold thickness (mm)						2000			
Min. mold thickness (mm)						1100			
Opening stroke (mm)						3100			
Max. daylight (mm)						4200			
Ejector force (KN)						460			
Ejector stroke (mm)						500			
Ejector number (PCS)						33			
					P	OWER UI	NIT		
System pressure (MPa)		17.	5/30			17.5/30		17.5/30	17.5/30
Pump motor (kW)		89+	66+11			110+89+1	1	110+89+11	110+89+11
Total power (kW)		20	53.8			322.4		357.5	403
Heater power (kW)		9	7.8			112.4		147.5	193
						GENERA	L		
Oil tank capacity (L)		2	100			2850		2850	2850
Machine dimensions (m)		14.8×	4.9×3.9		1	7.3×4.9×3	.9	17.3×4.9×3.9	17.7×4.9×3.9
Max. mold weight (T)			81			81		81	81

- 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; data after the slash refer to 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. Three kinds of screws are available for each model and the medium one is standard on the machine.
- $6. The injection unit data are in international units and calculated as follows: theoretical shot volume [cm³] \times injection pressure (MPa)/100$
- 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.

#### **UN3400D1 Machine Dimensions**



#### UN3400D1 Platen Dimensions



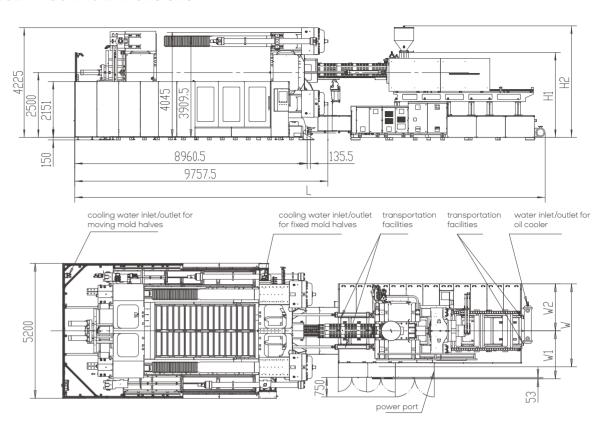
Model					H2						Bearing capacity of foundation		Cooling water flow (mold excluded)	Cooling water pressure	Compressed air pressure
	mm	mm	mm	mm	mm	mm	mm	mm	mm²	А	t/m²	n×L/min	L/min	bar	bar
UN3400D1-IU18500	SR20	Ø8	14823	3029	4035	3146	1548	1598	150	491.15	14.5	(8+8)×11	250	3~4	5~6
UN3400D1-IU23750	SR25	Ø8	17276	3039	4045	3660.5	1847.5	1813	185	652.49	14.5	(8+8)×11	350	3~4	5~6
UN3400D1-IU37500	SR25	Ø8	17276	3074	4080	3660.5	1847.5	1813	185	806.34	14.5	(8+8)×11	350	3~4	5~6
UN3400D1-IU50000	SR28	Ø12	17666	3110	4116	3660.5	1847.5	1813	185	780.83	14.5	(8+8)×11	350	3~4	5~6

#### UN4000D1 Specifications

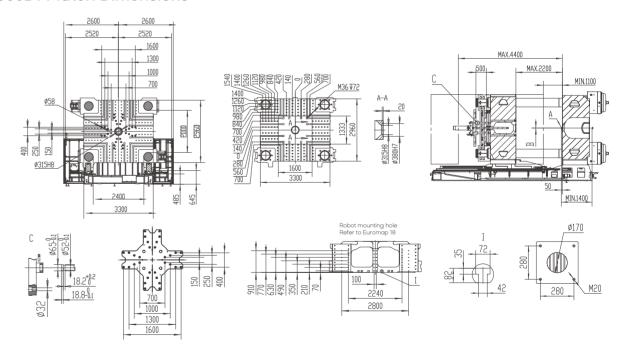
				INJECTION UNIT	
Model		IU23750		IU37500	IU50000
Screw diameter (mm)	145	155	165	185	200
Shot volume (cm³)	12385	14152	16037	26343	35186
Shot weight (g)	11394	13020	14756	24235	32371
Injection pressure (MPa)	190	167	147	151	158
L/D ratio	23.5	22	20.1	22	22
Injection rate (cm³/s)	1532	1750	1983	1934	1843
Max.injection speed (mm/s)		92.7		71.9	58.7
Screw stroke (mm)		750		980	1120
Max.screw speed (r/min)		120		80	67
Barrel heating zone (PCS)		10		10	9
				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	
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+11		110+89+11	110+89+11
Total power (kW)		322.4		357.5	403
Heater power (kW)		112.4		147.5	193
				GENERAL	
Oil tank capacity (L)		2850		2850	2850
Machine dimensions (m)		17.6×5.2×4.2		17.6×5.2×4.2	18.1×5.2×4.2
Max. mold weight (T)		86		86	86

- 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; data after the slash refer to 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. Three kinds of screws are available for each model and the medium one 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.

#### **UN4000D1 Machine Dimensions**



#### UN4000D1 Platen Dimensions



Model					H2			W2			Bearing capacity of foundation		Cooling water flow (mold excluded)	Cooling water pressure	Compressed air pressure
	mm	mm	mm	mm	mm	mm	mm	mm	mm²	Α	t/m²	n×L/min	L/min	bar	bar
UN4000D1-IU23750	SR25	Ø8	17586	3284	4225	3660.5	1847.5	1813	185	652.49	14.5	(8+8)×11	350	3~4	5~6
UN4000D1-IU37500	SR25	Ø8	17586	3319	4260	3660.5	1847.5	1813	185	806.34	14.5	(8+8)×11	350	3~4	5~6
UN4000D1-IU50000	SR28	Ø12	18086	3354	4295	3660.5	1847.5	1813	185	780.83	14.5	(8+8)×11	350	3~4	5~6

#### UN700WD1 Specifications

						INJECTION	INU NC	T								
Model		IU2695			IU3330			IU4	1800			IU68	800			
Screw diameter (mm)	68	76	84	76	84	92	84	92	100	108	92	100	108	116		
Shot volume (cm³)	1198	1497	1829	1678	2050	2460	2217	2659	3142	3664	3191	3770	4397	5073		
Shot weight (g)	1103	1377	1683	1544	1886	2263	2039	2446	2890	3371	2936	3468	4045	466		
Injection pressure (MPa)	225	180	147	199	162	136	218	181	154	134	213	180	154	134		
L/D ratio	22.3	20	20	22.1	20	20	21.9	20	21.6	20	21.7	22	21.5	20		
Injection rate (cm³/s)	383	478	584	430	526	632	520	624	737	860	615	726	847	980		
Max.injection speed (mm/s)		105			95			9	3.9			92	2.5			
Screw stroke (mm)		330			370			4	00			4	80			
Max.screw speed (r/min)		184			147			1	54			14	45			
Barrel heating zone (PCS)		6			6				6			7				
						CLAMPI	NG UN	IT								
Clamping force (kN)						70	000									
Opening force (kN)						5	00									
Platen size (mm)						1560	×1520									
Space between tie bars (mm)						1200	×1020									
Max. mold thickness (mm)						11	00									
Min. mold thickness (mm)						5	00									
Opening stroke (mm)						1650	/1050									
Max. daylight (mm)						21	150									
Ejector force (KN)						2:	20									
Ejector stroke (mm)						3:	20									
Ejector number (PCS)	17															
						POWE	R UNIT									
System pressure (MPa)		17.5/30			17.5/30			17.	5/30			17.5	5/30			
Pump motor (kW)		60+5.5			60+5.5			66	+5.5			89	+7.5			
Total power (kW)	91.9	91.9	96.4	98.6	98.6	101.7	108.6	108.6	118.5	118.5	143.5	143.5	153.1	153		
Heater power (kW)	26.4	26.4	30.9	33.1	33.1	36.2	37.14	37.14	47	47	47	47	56.6	56.6		

750

9.4×3.3×2.9

9.4×3.3×2.9

1150

9.5×3.3×2.9

13

<ol> <li>Opening force refers to mo</li> </ol>	ald opening force generated	d during high-pressure mold open

<sup>2.</sup> In the case of opening stroke, data before the slash refer to mold opening stroke with minimum mold height; data after the slash refer to opening stroke with maximum mold height.

3. Mold-bearing capacity of the movable platen is 2/3 of total mold weight.

Oil tank capacity (L)

Machine dimensions (m)

Max. mold weight (T)

- 4. The shot weight is calculated by GPPS and it is 0.92 times of the theoretical shot volume.
- 5. Three kinds of screws are available for each model and the medium one is standard on the machine.
- $6. \ The injection unit data are in international units and calculated as follows: theoretical shot volume [cm³] \times injection pressure (MPa)/100$
- 7. The green figures are standard specifications of clamping unit and injection unit.
- $8. \ \ \text{Because of constant technical improvement, the machine specifications are subject to change without notice.}$

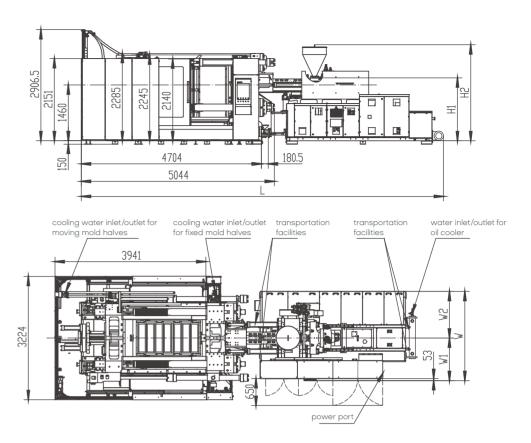
750

9.4×3.3×2.9

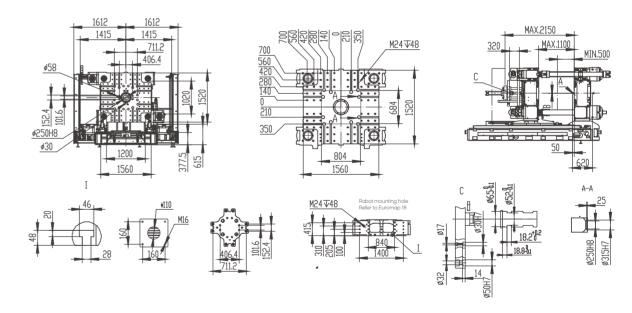
13

 $\times$ The Data above were acquired by testing in the factory, only for your reference. The specific data please accord to the actual equipment.

#### UN700WD1 Machine Dimensions



#### **UN700WD1 Platen Dimensions**



ı	Model					H2			W2			Bearing capacity of foundation	Mold cooling water ports	Cooling water flow (mold excluded)	vCooling water pressure	Compressed air pressure
		mm	mm²	А	t/m²	n×L/min	L/min	bar	bar							
	UN700WD1-IU2695	SR15	Ø4	8281	1757	2622	2198	1063	1135	70	176.74	7.5	(8+8)×11	100	3~4	5~6
	UN700WD1-IU3330	SR15	Ø4	8281	1757	2630	2198	1063	1135	70	186.89	7.5	(8+8)×11	100	3~4	5~6
	UN700WD1-IU4800	SR15	Ø4.5	9463	1645	2510	2333	1113	1220	70	215.49	7.5	(8+8)×11	100	3~4	5~6
	UN700WD1-IU6800	SR15	Ø4.5	9463	1645	2510	2711	1352	1359	75	259.84	7.5	(8+8)×11	100	3~4	5~6

#### UN900WD1 Specifications

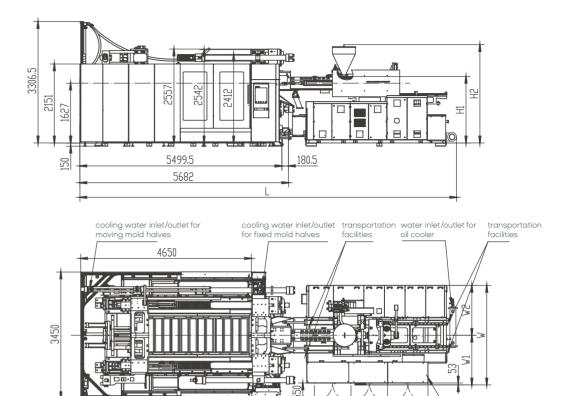
						INJECTI	ON UNIT					
Model		IU48	300			IU68	300			IU9	2000	
Screw diameter (mm)	84	92	100	108	92	100	108	116	100	108	116	125
Shot volume (cm³)	2217	2659	3142	3664	3191	3770	4397	5073	4320	5038	5813	6748
Shot weight (g)	2039	2446	2890	3371	2936	3468	4045	4667	3974	4636	5348	6208
Injection pressure (MPa)	218	181	154	134	213	180	154	134	209	179	155	134
L/D ratio	21.9	20	21.6	20	21.7	22	21.5	20	21.6	20	21.6	20
Injection rate (cm³/s)	520	624	737	860	615	726	847	980	766	894	1031	1197
Max.injection speed (mm/s)		93	.9			92.	.5			9	7.6	
Screw stroke (mm)		40	0			48	0			5	550	
Max.screw speed (r/min)		15	4			14	5			1:	28	
Barrel heating zone (PCS)		6				7					7	
						CLAMPI	ING UNIT					
Clamping force (kN)						90	000					
Opening force (kN)						6	40					
Platen size (mm)						1850	×1800					
Space between tie bars (mm)						1460	×1210					
Max. mold thickness (mm)						12	00					
Min. mold thickness (mm)						60	00					
Opening stroke (mm)						2200	/1600					
Max. daylight (mm)						28	800					
Ejector force (KN)						2	74					
Ejector stroke (mm)						3	60					
Ejector number (PCS)						2	25					
						POWE	R UNIT					
System pressure (MPa)		17.5	/30			17.5	/30			17.5	5/30	
Pump motor (kW)		66+	-5.5			89+	7.5			110	+7.5	
Total power (kW)	108.6	108.6	118.5	118.5	143.5	143.5	153.1	153.1	169.3	169.3	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)		100	00			115	50			14	100	
Machine dimensions (m)		10.2×3	.5×3.3			10.3×3	.5×3.3			10.5×3	3.5×3.3	

- 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; data after the slash refer to opening stroke with maximum mold height.
- 3. Mold-bearing capacity of the movable platen is 2/3 of total mold weight.

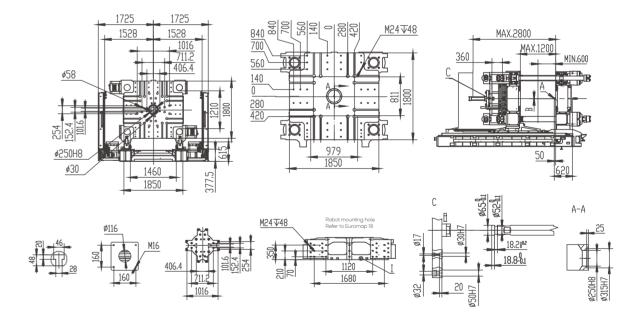
Max. mold weight (T)

- 4. The shot weight is calculated by GPPS and it is 0.92 times of the theoretical shot volume.
- 5. Three kinds of screws are available for each model and the medium one is standard on the machine.
- $6. \ The injection unit data are in international units and calculated as follows: theoretical shot volume [cm³] \times injection pressure (MPa)/100$
- 7. The green figures are standard specifications of clamping unit and injection unit.
- $8. \ \ \text{Because of constant technical improvement, the machine specifications are subject to change without notice.}$
- $\times$ The Data above were acquired by testing in the factory, only for your reference. The specific data please accord to the actual equipment.

#### **UN900WD1 Machine Dimensions**



#### **UN900WD1 Platen Dimensions**



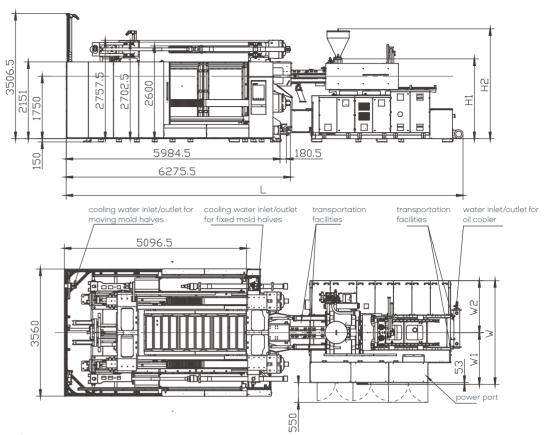
ı	Model					H2			W2				Mold cooling water ports			Compressed air pressure
		mm	mm	mm	mm	mm	mm	mm	mm	mm <sup>2</sup>	Α	t/m²	n×L/min	L/min	bar	bar
	UN900WD1-IU4800	SR15	Ø4.5	10259	1645	2510	2333	1113	1220	70	215.49	8	(8+8)×11	100	3~4	5~6
	UN900WD1-IU6800	SR15	Ø4.5	10259	1812	2677	2711	1352	1359	75	259.84	8	(8+8)×11	100	3~4	5~6
	UN900WD1-IU9000	SR15	Ø4.5	10389	2013	2855	2906	1451	1456	95	316.71	8	(8+8)×11	100	3~4	5~6

#### UN1100WD1 Specifications

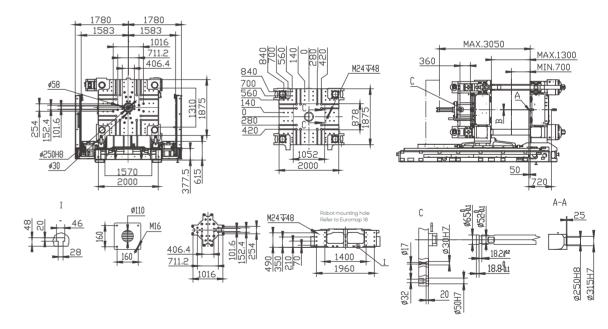
							IN	JECTIO	ON UNI	T						
Model		IU4	800			IU68	800			IU9	000			IU10	900	
Screw diameter (mm)	84	92	100	108	92	100	108	116	100	108	116	125	108	116	125	135
Shot volume (cm³)	2217	2659	3142	3664	3191	3770	4397	5073	4320	5038	5813	6748	5222	6024	6995	8159
Shot weight (g)	2039	2446	2890	3371	2936	3468	4045	4667	3974	4636	5348	6208	4804	5542	6435	7506
Injection pressure (MPa)	218	181	154	134	213	180	154	134	209	179	155	134	210	182	157	135
L/D ratio	21.9	20	21.6	20	21.7	22	21.5	20	21.6	20	21.6	20	23.7	22	21.6	20
Injection rate (cm³/s)	520	624	737	860	615	726	847	980	766	894	1031	1197	815	940	1092	1273
Max.injection speed (mm/s)		93	3.9			92	2.5			9	7.6				89	
Screw stroke (mm)		40	00			48	30			5	50			5	70	
Max.screw speed (r/min)		15	4			14	15			1:	28			1	112	
Barrel heating zone (PCS)		ć	5			-	7				7				8	
							C	LAMPI	NG UN	IT						
Clamping force (kN)								110	00							
Opening force (kN)								76	50							
Platen size (mm)								2000	×1875							
Space between tie bars (mm)								1570:	×1310							
Max. mold thickness (mm)								13	00							
Min. mold thickness (mm)								70	00							
Opening stroke (mm)								2350	/1750							
Max. daylight (mm)								30	50							
Ejector force (KN)								2	74							
Ejector stroke (mm)								36	50							
Ejector number (PCS)								2	5							
								POWE	R UNIT							
System pressure (MPa)		17.5	/30			17.5	/30			17.5	5/30			17.5	/30	
Pump motor (kW)		66+	-5.5			89-	<b>-</b> 7.5			110	+7.5			89+3	7+7.5	
Total power (kW)	108.6	108.6	118.5	118.5	143.5	143.5	153.1	153.1	169.3	169.3	178.4	178.4	199.9	199.9	204.1	204.1
Heater power (kW)	37.14	37.14	47	47	47	47	56.6	56.6	51.76	51.76	60.9	60.9	66.37	66.37	70.63	70.63
								GENE	RAL							
Oil tank capacity (L)		10	00			11:	50			14	.00			160	00	
Machine dimensions (m)		11×3.	6×3.5			11×3.	6×3.5			11.2×3	8.6×3.5			11.6×3	.6×3.5	
Max. mold weight (T)		3	0			3	0			3	80			3	0	

- 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; data after the slash refer to 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. Three kinds of screws are available for each model and the medium one is standard on the machine.
- $6. \ The injection unit data are in international units and calculated as follows: theoretical shot volume [cm³] \times injection pressure (MPa)/100$
- 7. The green figures are standard specifications of clamping unit and injection unit.
- $8. \ \ \text{Because of constant technical improvement, the machine specifications are subject to change without notice.}$
- $\times$ The Data above were acquired by testing in the factory, only for your reference. The specific data please accord to the actual equipment.

#### UN1100WD1 Machine Dimensions



#### UN1100WD1 Platen Dimensions



Model	. A	В.	L	H1	H2	W	W1	W2	Main power cord size	Full-load current	Bearing capacity of foundation	Mold cooling water ports	Cooling water flow (mold excluded)	Cooling water pressure	Compressed air pressure
	mm	mm	mm	mm	mm	mm	mm	mm	mm²	А	t/m²	n×L/min	L/min	bar	bar
UN1100WD1-IU4800	SR15	Ø4.5	10974	1935	2800	2333	1113	1220	70	215.49	8	(8+8)×11	100	3~4	5~6
UN1100WD1-IU6800	SR15	Ø4.5	10974	1935	2800	2711	1352	1359	75	259.84	8	(8+8)×11	100	3~4	5~6
UN1100WD1-IU9000	SR15	Ø4.5	11104	2136	2978	2906	1451	1456	95	316.71	8	(8+8)×11	100	3~4	5~6
UN1100WD1-IU10900	SR20	Ø6	11574	2254	3096	2906	1451	1456	120	370.88	8	(8+8)×11	100	3~4	5~6

#### UN1300WD1 Specifications

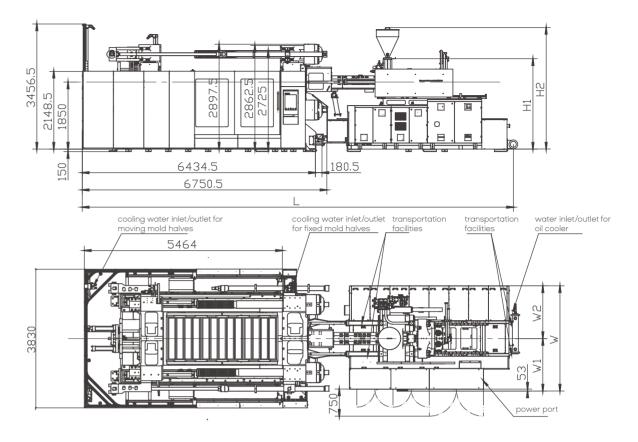
							IN	JECTIO	INU NC	T					
Model		IU68	300			IU90	000			IU10	900			IU14500	
Screw diameter (mm)	92	100	108	116	100	108	116	125	108	116	125	135	125	135	145
Shot volume (cm³)	3191	3770	4397	5073	4320	5038	5813	6748	5222	6024	6995	8159	7977	9304	10733
Shot weight (g)	2936	3468	4045	4667	3974	4636	5348	6208	4804	5542	6435	7506	7226	8428	9723
Injection pressure (MPa)	213	180	154	134	209	179	155	134	210	182	157	135	181	156	135
L/D ratio	21.7	22	21.5	20	21.6	20	21.6	20	23.7	22	21.6	20	23.6	22	20
Injection rate (cm³/s)	615	726	847	980	766	894	1031	1197	815	940	1092	1273	1316	1536	1772
Max.injection speed (mm/s)		92	2.5			97	7.6			8	39			107	
Screw stroke (mm)		48	30			5	50			5	70			650	
Max.screw speed (r/min)		14	15			12	28			1	12			120	
Barrel heating zone (PCS)		-	7				7				8			8	
							С	LAMPI	NG UN	IT					
Clamping force (kN)								130	000						
Opening force (kN)								87	75						
Platen size (mm)								2275	×1940						
Space between tie bars (mm)								1670>	<1330						
Max. mold thickness (mm)								14	00						
Min. mold thickness (mm)								70	00						
Opening stroke (mm)								2600	/1900						
Max. daylight (mm)								33	00						
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	/30			17.5	5/30			17.5/30	

Ejector Harriber (1 ee)				
		POWER	R UNIT	
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)	143.5 143.5 153.1 153.1	169.3 169.3 178.4 178.4	199.9 199.9 204.1 204.1	250.2
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	87.7
		GENE	FRAI	

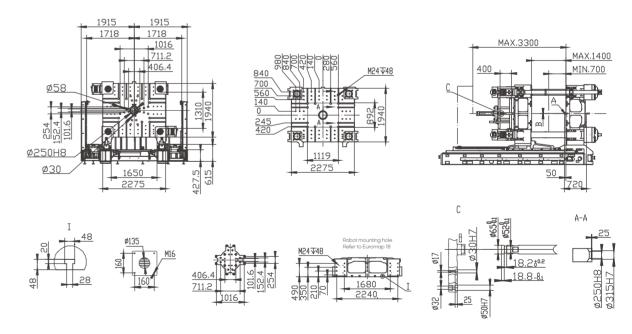
		GENI	ERAL	
Oil tank capacity (L)	1150	1400	1600	2100
Machine dimensions (m)	11.4×3.9×3.5	11.6×3.9×3.5	12×3.9×3.5	12.4×3.9×3.5
Max. mold weight (T)	32	32	32	32

- 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; data after the slash refer to 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. Three kinds of screws are available for each model and the medium one is standard on the machine.
- $6. \ The injection unit data are in international units and calculated as follows: theoretical shot volume [cm³] \times injection pressure (MPa)/100$
- 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.
- $\times$ The Data above were acquired by testing in the factory, only for your reference. The specific data please accord to the actual equipment.

#### UN1300WD1 Machine Dimensions



#### UN1300WD1 Platen Dimensions



Model	. A	В	L	H1	H2	W	W1	W2	Main power cord size	Full-load current	Bearing capacity of foundation		Cooling water flow (mold excluded)		Compressed air pressure
	mm	mm	mm	mm	mm	mm	mm	mm	mm²	А	t/m²	n×L/min	L/min	bar	bar
UN1300WD1-IU6800	SR15	Ø4.5	12139	2035	2900	2711	1352	1359	75	259.84	10.5	(8+8)×11	100	3~4	5~6
UN1300WD1-IU9000	SR15	Ø4.5	11554	2236	3078	2906	1451	1456	95	316.71	10.5	(8+8)×11	100	3~4	5~6
UN1300WD1-IU10900	SR20	Ø6	12024	2354	3196	2906	1451	1456	120	370.88	10.5	(8+8)×11	100	3~4	5~6
UN1300WD1-IU14500	SR20	Ø8	12346	2573	3560	3146	1548	1598	150	470.42	10.5	(8+8)×11	250	3~4	5~6

#### UN1600WD1 Specifications

							IN	JECTI	ON UNIT						
Model		IU90	000			IU10	900			IU14500			IU	18500	
Screw diameter (mm)	100	108	116	125	108	116	125	135	125	135	145	135	145	155	165
Shot volume (cm³)	4320	5038	5813	6748	5222	6024	6995	8159	7977	9304	10733	10020	11559	13208	14968
Shot weight (g)	3974	4636	5348	6208	4804	5542	6435	7506	7339	8560	9875	9218	10634	12152	13770
Injection pressure (MPa)	209	179	155	134	210	182	157	135	181	156	135	184	160	140	123
L/D ratio	21.6	20	21.6	20	23.7	22	21.6	20	23.6	22	20	23.6	22	22	20
Injection rate (cm³/s)	766	894	1031	1197	815	940	1092	1273	1316	1536	1772	1301	1502	1717	1946
Max.injection speed (mm/s)		97	7.6			8	39			107			ς	91	
Screw stroke (mm)		5	50			5	70			650			70	00	
Max.screw speed (r/min)		12	28			1	12			120			12	20	
Barrel heating zone (PCS)		-	7				8			8			8	8	
							C	LAMPI	NG UNIT						
Clamping force (kN)								160	000						
Opening force (kN)								110	00						
Platen size (mm)								2480	×2140						
Space between tie bars (mm)								1890>	<1440						
Max. mold thickness (mm)								150	00						
Min. mold thickness (mm)								75	50						
Opening stroke (mm)								2600	/1850						
Max. daylight (mm)								33	50						
Ejector force (KN)								46	50						
Ejector stroke (mm)								43	30						
Ejector number (PCS)								2	5						
								POWE	R UNIT						
System pressure (MPa)		17.5	5/30			17.5	5/30			17.5/30			17.5	5/30	
Pump motor (kW)		110-	+7.5			89+3	37+7.5			89+66+11			89+6	56+11	
Total power (kW)	169.3	169.3	178.4	178.4	199.9	199.9	204.1	204.1		253.7			26	3.8	
Heater power (kW)	51.76	51.76	60.9	60.9	66.37	66.37	70.63	70.63		87.7			97	7.8	
								GEN	ERAL						
Oil tank capacity (L)		14	00			16	00			2100			21	00	

12.4×4.2×3.6

45

12.8×4.2×3.6

45

12.8×4.2×3.6

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- 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; data after the slash refer to opening stroke with maximum mold height.
- 3. Mold-bearing capacity of the movable platen is 2/3 of total mold weight.

Machine dimensions (m)

Max. mold weight (T)

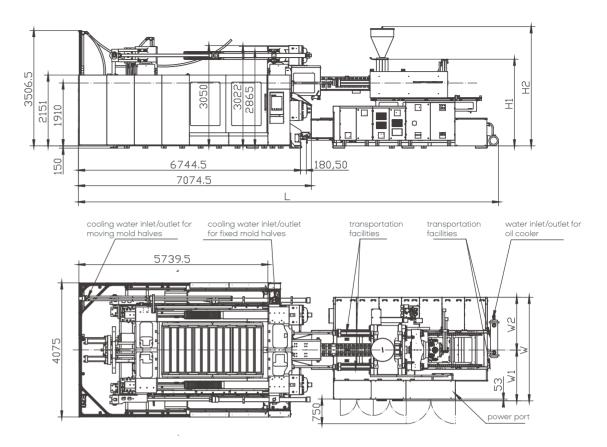
- 4. The shot weight is calculated by GPPS and it is 0.92 times of the theoretical shot volume.
- 5. Three kinds of screws are available for each model and the medium one is standard on the machine.
- $6. \ The injection unit data are in international units and calculated as follows: theoretical shot volume [cm³] \times injection pressure (MPa)/100$
- 7. The green figures are standard specifications of clamping unit and injection unit.
- $8. \ \ \text{Because of constant technical improvement, the machine specifications are subject to change without notice.}$

12.1×4.2×3.6

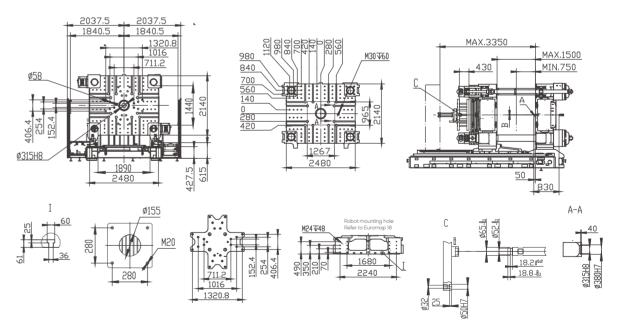
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#### UN1600WD1 Machine Dimensions



#### UN1600WD1 Platen Dimensions



Model	. A	В	L	H1	H2	W	W1	W2	Main power cord size	Full-load current	Bearing capacity of foundation		Cooling water flow (mold excluded)		Compressed air pressure
	mm	mm	mm	mm	mm	mm	mm	mm	mm²	А	t/m²	n×L/min	L/min	bar	bar
UN1600WD1-IU9000	SR15	Ø4.5	12414	2296	3138	2906	1451	1456	95	316.71	10.5	(8+8)×11	100	3~4	5~6
UN1600WD1-IU10900	SR20	Ø6	12434	2414	3256	2906	1451	1456	120	370.88	10.5	(8+8)×11	100	3~4	5~6
UN1600WD1-IU14500	SR20	Ø8	12756	2633	3620	3146	1548	1598	150	470.42	10.5	(8+8)×11	250	3~4	5~6
UN1600WD1-IU18500	SR20	Ø8	12756	2684	3761	3146	1548	1598	150	491.15	10.5	(8+8)×11	250	3~4	5~6

#### UN1850WD1 Specifications

							INJE	ECTION	VUNIT							
Model	IU9000				IU10900					IU14500	IU18500					
Screw diameter (mm)	100	108	116	125	108	116	125	135	125	135	145	135	145	155	165	
Shot volume (cm³)	4320	5038	5813	6748	5222	6024	6995	8159	7977	9304	10733	10020	11559	13208	14968	
Shot weight (g)	3974	4636	5348	6208	4804	5542	6435	7506	7339	8560	9875	9218	10634	12152	13770	
Injection pressure (MPa)	209	179	155	134	210	182	157	135	181	156	135	184	160	140	123	
L/D ratio	21.6	20	21.6	20	23.7	22	21.6	20	23.6	22	20	23.6	22	22	20	
Injection rate (cm³/s)	766	894	1031	1197	815	940	1092	1273	1316	1536	1772	1301	1502	1717	1946	
Max.injection speed (mm/s)		97	7.6			89				107			91			
Screw stroke (mm)		55	50			570				650			700			
Max.screw speed (r/min)	128				112			120			120					
Barrel heating zone (PCS)	7				8			8			8					
							CLA	AMPINO	3 UNIT							
Clamping force (kN)								185	500							
Opening force (kN)	1230															
Platen size (mm)	2682×2452															
Space between tie bars (mm)		2080×1680														
Max. mold thickness (mm)					1600											
Min. mold thickness (mm)		800														
Opening stroke (mm)	3000/2200															
Max. daylight (mm)	3800															
Ejector force (KN)	460															
Ejector stroke (mm)								43	30							
Ejector number (PCS)								2	5							
							P	OWER	UNIT							
System pressure (MPa)	17.5/30			17.5/30			17.5/30			17.5/30						
Pump motor (kW)	110+7.5			89+37+7.5			89+66+11			89+66+11						
Total power (kW)	169.3 169.3 178.4 178.4			199.9 199.9 204.1 204.1			253.7			263.8						
Heater power (kW)	51.76	51.76	60.9	60.9	66.37	66.37	70.63	70.63		87.7			97	.8		
	GENERAL															
Oil tank capacity (L)		140	00			1600				2100			2100			
					1000											

13×4.5×3.7

62

13.3×4.5×3.8

62

13.3×4.5×3.8

- 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; data after the slash refer to opening stroke with maximum mold height.
- 3. Mold-bearing capacity of the movable platen is 2/3 of total mold weight.

Machine dimensions (m)

Max. mold weight (T)

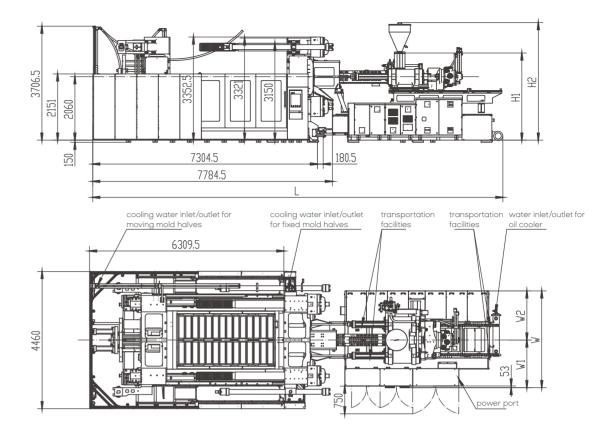
- 4. The shot weight is calculated by GPPS and it is 0.92 times of the theoretical shot volume.
- 5. Three kinds of screws are available for each model and the medium one is standard on the machine.
- $6. \ The injection unit data are in international units and calculated as follows: theoretical shot volume [cm³] \times injection pressure (MPa)/100$
- 7. The green figures are standard specifications of clamping unit and injection unit.
- $8. \ \ \text{Because of constant technical improvement, the machine specifications are subject to change without notice.}$

12.6×4.5×3.7

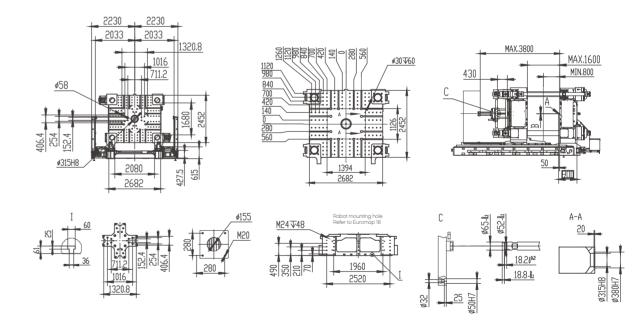
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% The Data above were acquired by testing in the factory, only for your reference. The specific data please accord to the actual equipment.

#### UN1850WD1 Machine Dimensions



#### UN1850WD1 Platen Dimensions



Model					H2			W2			Bearing capacity of foundation	Mold cooling water ports			Compressed air pressure
	mm	mm	mm	mm	mm	mm	mm	mm	mm²	Α	t/m²	n×L/min	L/min	bar	bar
UN1850WD1-IU9000	SR15	Ø4.5	12517	2446	3288	2906	1451	1456	95	316.71	12.5	(8+8)×11	100	3~4	5~6
UN1850WD1-IU10900	SR20	Ø6	12994	2564	3406	2906	1451	1456	120	370.88	12.5	(8+8)×11	100	3~4	5~6
UN1850WD1-IU14500	SR20	Ø8	13316	2783	3770	3146	1548	1598	150	470.42	12.5	(8+8)×11	250	3~4	5~6
UN1850WD1-IU18500	SR20	Ø8	13316	2834	3821	3146	1548	1598	150	491.15	12.5	(8+8)×11	250	3~4	5~6

#### Standard and Optional Features

Clamping unit		
Clamping unit Clamping mechanism with tie bars independent of moving platen	•	
Quantitative volumetric automatic lubrication system	•	
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 UN500D1 or UN700D1)	•	
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 UN500D1 or UN700D1)	•	
High-accuracy magnetostrictive displacement sensor for mold open/close control	•	
Mold with reset spring	•	
Safety foot plate in front & rear door areas		0
Synchronous ejection and core pulling		0
Secondary mold closing		0
Quick mold change system platform		0
Hydraulic mold clamp		0
Magnetic platen		0
ncreased mold thickness		0
ncreased ejector stroke		0
Mold lifting device		0
Heat insulating plate of mold		0
Special mold mounting hole		0
ncreased mold opening stroke		0
Larger ejection force		0
Electric control system		<u> </u>
Closed-loop PID barrel temperature control	•	
Manual, semi-auto and fully-auto operating mode		
nput 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	•	
12" TFT color touch screen	•	
Visualized graphic programming	•	
PDP interface	•	
njection 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 for 500T-900TD1)	•	
I set of 380V 16A socket (2 sets for 500T-900TD1)	•	
16-level password security	•	
Reserved robot interfaces based on SPI, EUROMAP 12	•	
Automatic heat preserving, automatic heating settings	•	
Servo injection		0
Electric unscrewing device		0
Hot runner interface		0
		0
Auxiliary emergency stop button		

	<ul><li>Standard</li></ul>	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		
Double parallel cylinder injection unit with low-speed high-torque hydraulic motor	•	
Nitrided alloy steel screw & barrel	•	
Heat preservation cover for barrel and 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  Serow rotation magazining device		
Screw rotation measuring device  Injection carriage transducer(standard for IU14500 and above model)		
, ,		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 (4 sets for UN2100/2400D1, 6 sets for UN2850/3400/4000D1)	•	
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 oil cooler		0
Multi-capacity larger pump motor		0
Multi-capacity larger plasticizing motor		0
Servo injection (closed-loop control of injection, plasticizing, holding pressure and back pressure)		0
Plasticizing during mold opening		0
Multiple sets of core pull or unscrewing devices with electrical interfaces		0
Other		
User manual	•	
Adjustable leveling pad	•	
8-in 8-out water manifold on platen (with general, quick connectors)		
Nozzle spanner	•	
Mold clamp	•	
Hopper (standard for IU6800 and below model)		
Hydraulic oil (standard for UN1400D1/UN1300WD1 and below model)		0
,		0
Loading platform  Mold temporative controller		0
Mold temperature controller		0
Automatic loader		0
Dehumidification dryer		0

# THINK TECH FORWARD