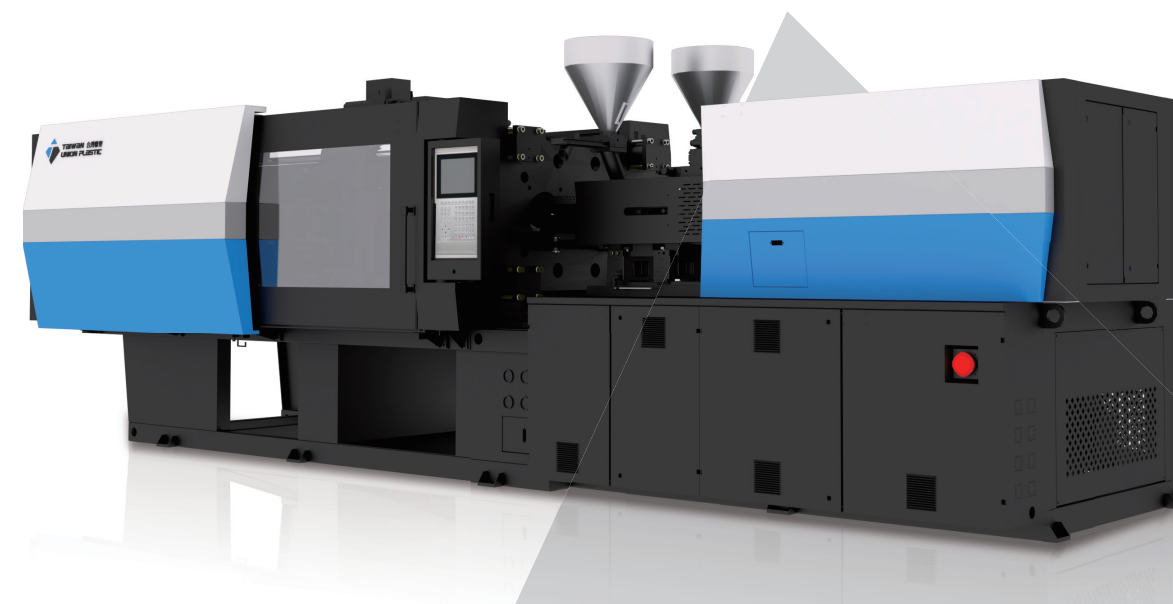


IHD 160-3300T

Multi-components Series
Technical Parameters

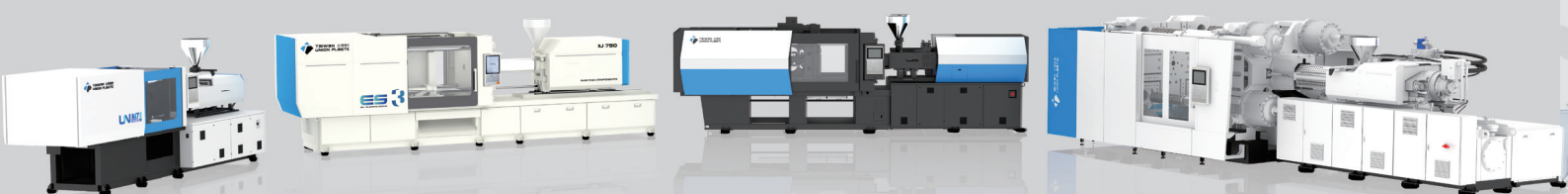


TECHNOLOGY NEVER STOPS! TECHNOLOGY NEVER STOPS! TECHNOLOGY NEVER STOPS!

TECHNOLOGY NEVER STOPS!

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TUP-01

TUP

TUP was set up in 1984, It is one of the most advanced injection molding equipment manufacturers and complete system solution providers in China.

TUP provides the machines ranging from 90 to 6,600 tons, with the machine matrix of All-electric, Hybrid electric, Multi-components, Two / Three platens, which covers almost all main applications in automotive, packaging, medicals, engineering, 3C, home appliance, logistics etc.

The headquarter is located in hangzhou, zheiiang province, and the other remaining 15 branch offices, sales & service offices are located in China, SEA, America, Europe, Affrica provide the nearby service to our customers.

With regarding to the capability, we have 200,000 square meters of manufacturing base, staffs over 500, annual machine output over 60,000 sets, R&D teams with around 100 skilled people, and annual R&D investment over 50 million of RMB, which coming to 100+ patents and more are on the que.

Technology, never stopping has always been our driving force to proceed. We are striving efforts to make constant progress, taking environmental protection, energy saving and high efficiency as our responsibilities, and are committed to providing customers with more comprehensive and valuable application solutions.



1984
Brand Story



500+
Global Employees



80,000+
Annual Sales by Sets



6,000+
Annual Capacity



100+
Service Regions



200,000m²
Factory Area



TUP-02



Multi-components Series

TUP has been in the multi-component market over 40 years with substantial expertise accumulated, and optimized details to the utmost basing on the practical applications. The flexible configuration matrix of the injection units ensures the various multi-color applications, and adapts to super-large cavity molds such as auto parts, home appliances, packaging, and electronics.

Application Area



Flexible configuration matrix of injection units (IUs)

W-type (horizontal face-to-face IU)
Z-type (piggyback IU)
V-type (vertical IU)
L-type (right-angle IU)
H-type (parallel IU)

Multicolor application technology

Horizontal turntable
Vertical turntable
Spindle (+turntable)
Sandwich molding
Mixed color molding

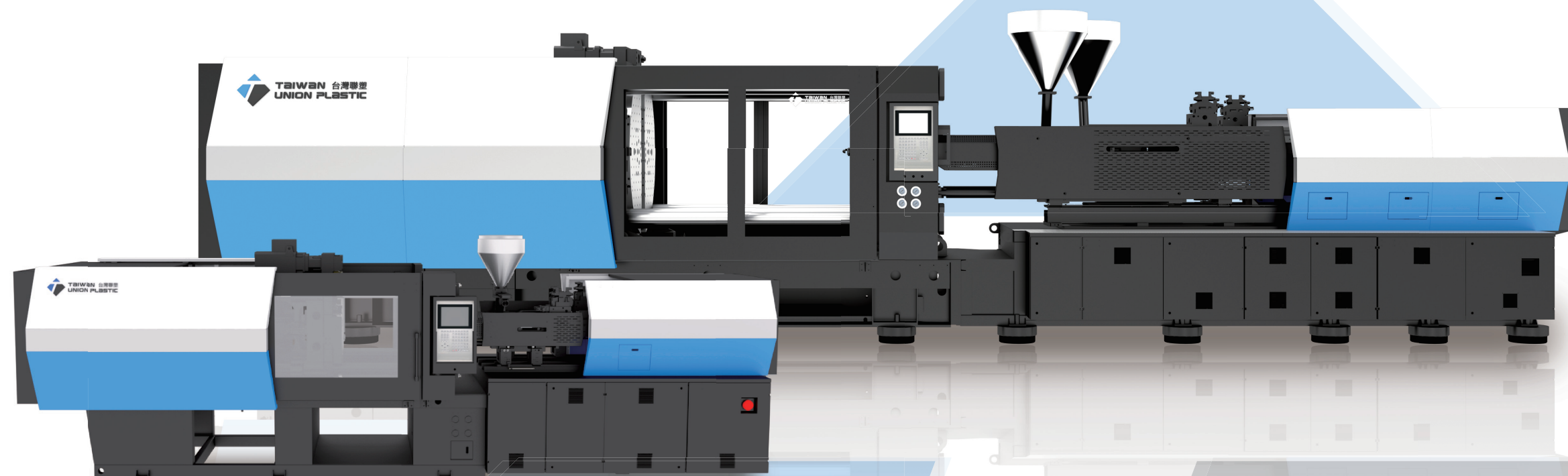
Multi-components Series

HD Three-platen vertical turntable multi-color application

HS-D Two-platen vertical turntable multi-color application

HS-W W-type horizontal turntable multi-color application

1600-33,000kN



HD160 SPECIFICATIONS

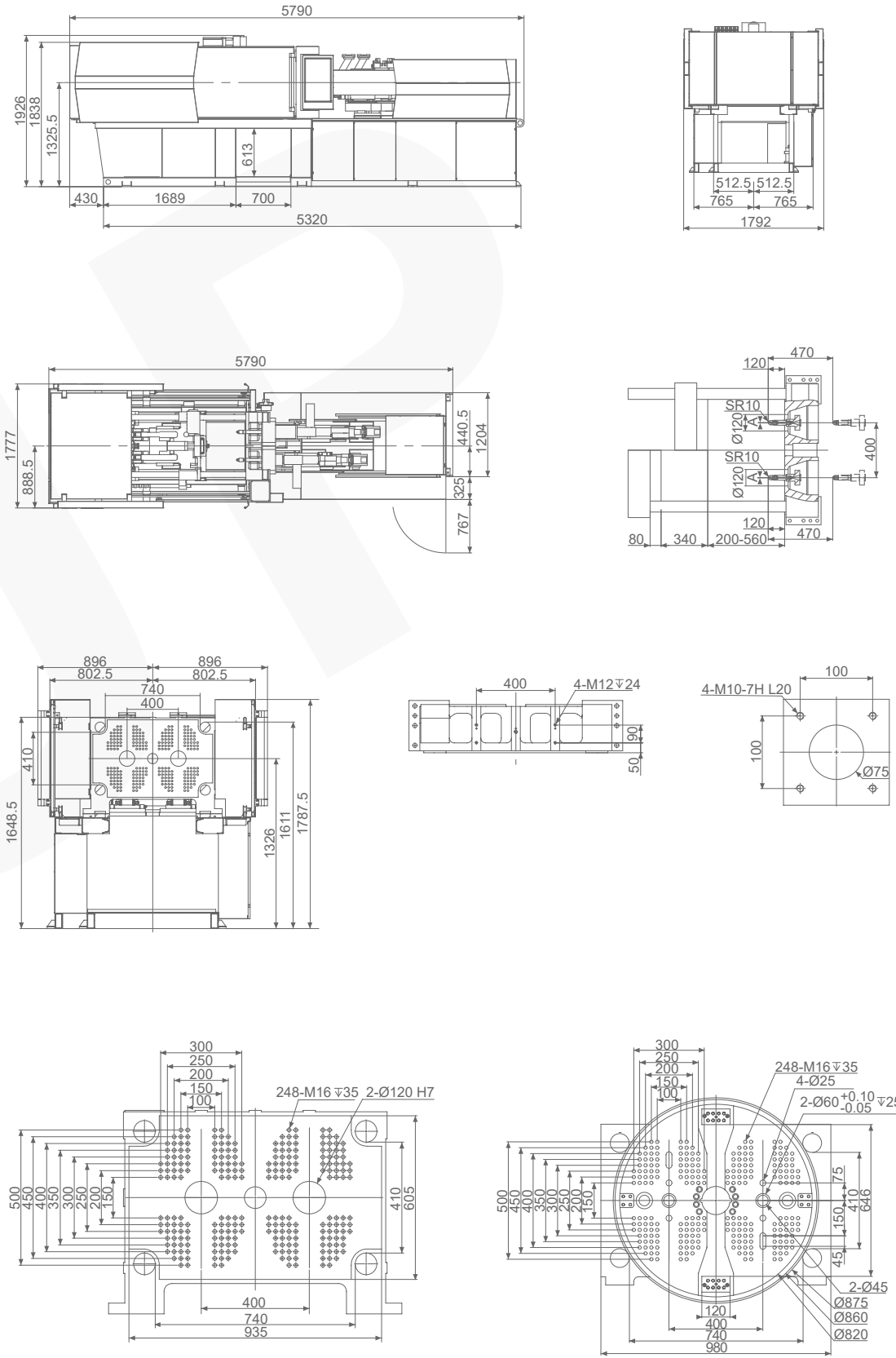
Clamping Unit	Unit	HD160
Clamping Force	kN	1600
Mold Opening Stroke	mm	340
Min. Mold Height	mm	200
Max. Mold Height	mm	560
Tie Bar Space (HxV)	mm	740×410
Diameter of Rotary Platen	mm	860
Max. Mold Installed Diameter	mm	875
Bearing Capacity of Rotary Platen	t	1
Ejection Stroke	mm	100
Ejection Force	kN	34×2
Nozzle Center Distance	mm	400
Distance Between Molds Positioning Centers	mm	400

Injection Unit	Unit	IU230			IU300		
		A	B	C	A	B	C
Screw Diameter	mm	24	26	28	30	32	36
Screw L/D Ratio	L/D	21	19	18	22	20.5	18
Theoretical Shot Volume	cm³	63	74	86	106	120	152
Shot Weight (PS)	g	57	67	78	96	110	138
Injection Rate (PS)	g/s	66	77	90	86	98	125
Injection Pressure	MPa	367	312	270	280	246	194
Plasticizing Capacity (PS)	g/s	3.6	4.6	5.8	5	6	8.6
Screw Rotation Speed	rpm	245			170		

General Data	Unit	IU230	IU300
Heater Power	kW	4.5	7
Motor Power	kW	24	24
Machine Weight	t	8	
Oil Tank Capacity	L	350	
Machine Dim. (L×W×H)	m	5.8×1.8×2.0	

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HD160 Machine Size



Model	A
IU230	Ø 2
IU300	Ø 3

unit: mm

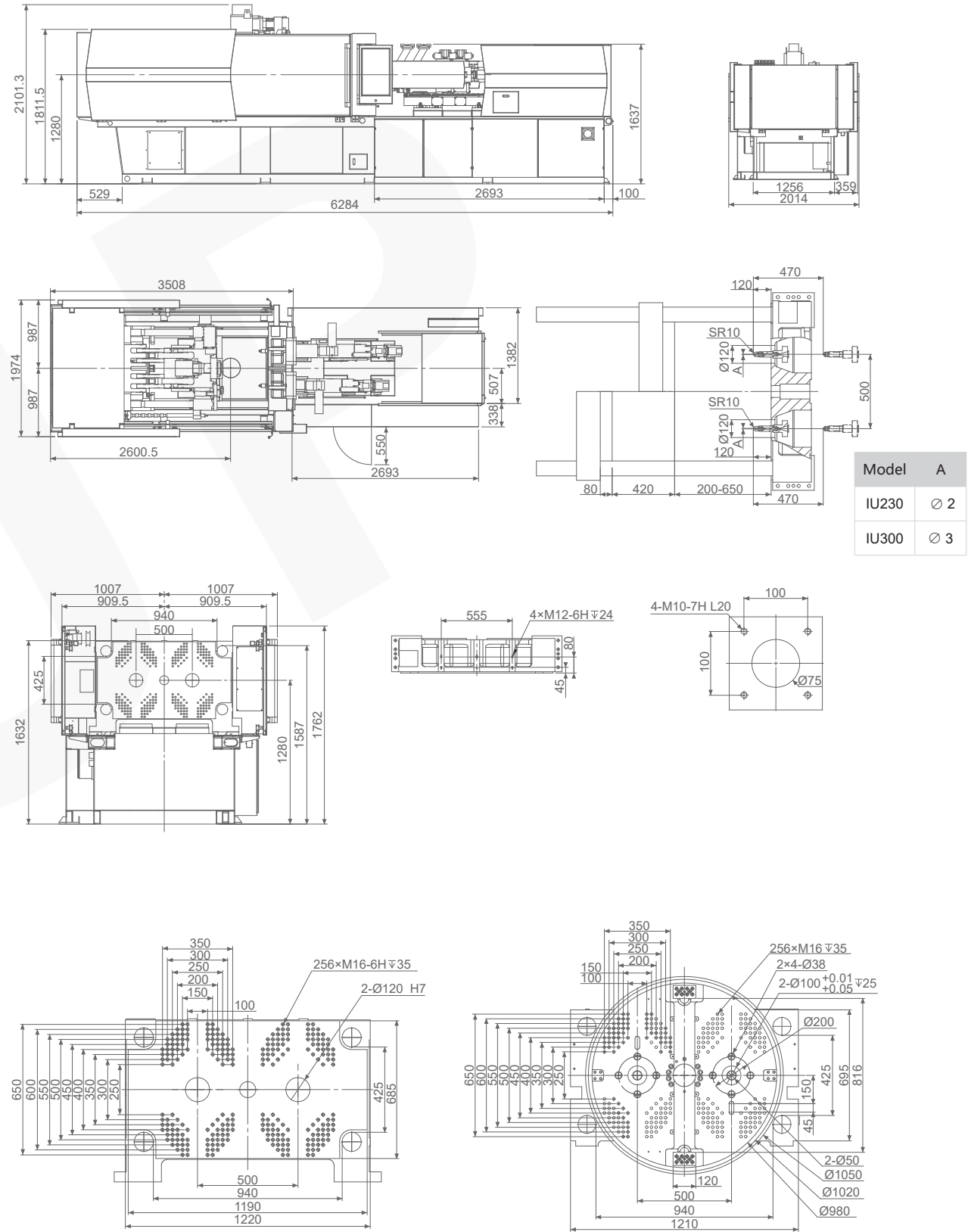
HD230
 SPECIFICATIONS

Clamping Unit	Unit	HD230
Clamping Force	kN	2300
Mold Opening Stroke	mm	420
Min. Mold Height	mm	200
Max. Mold Height	mm	650
Tie Bar Space (HxV)	mm	940×425
Diameter of Rotary Platen	mm	1020
Max. Mold Installed Diameter	mm	1063
Bearing Capacity of Rotary Platen	t	1.7
Ejection Stroke	mm	110
Ejection Force	kN	34×2
Nozzle Center Distance	mm	500
Distance Between Molds Positioning Centers	mm	500

Injection Unit	Unit	IU230			IU300		
		A	B	C	A	B	C
Screw Diameter	mm	24	26	28	30	32	36
Screw L/D Ratio	L/D	21	19	18	22	20.5	18
Theoretical Shot Volume	cm³	63	74	86	106	120	152
Shot Weight (PS)	g	57	67	78	96	110	138
Injection Rate (PS)	g/s	82	96	112	108	124	157
Injection Pressure	MPa	367	312	270	280	246	194
Plasticizing Capacity (PS)	g/s	4.5	5.7	7.1	6.1	7.4	10.6
Screw Rotation Speed	rpm	300			210		

General Data	Unit	IU230	IU300
Heater Power	kW	4.5	7
Motor Power	kW	25	25
Machine Weight	t	11	
Oil Tank Capacity	L	600	
Machine Dim. (L×W×H)	m	6.3×2.0×2.1	

HD230 Machine Size



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unit: mm

IHD280 SPECIFICATIONS

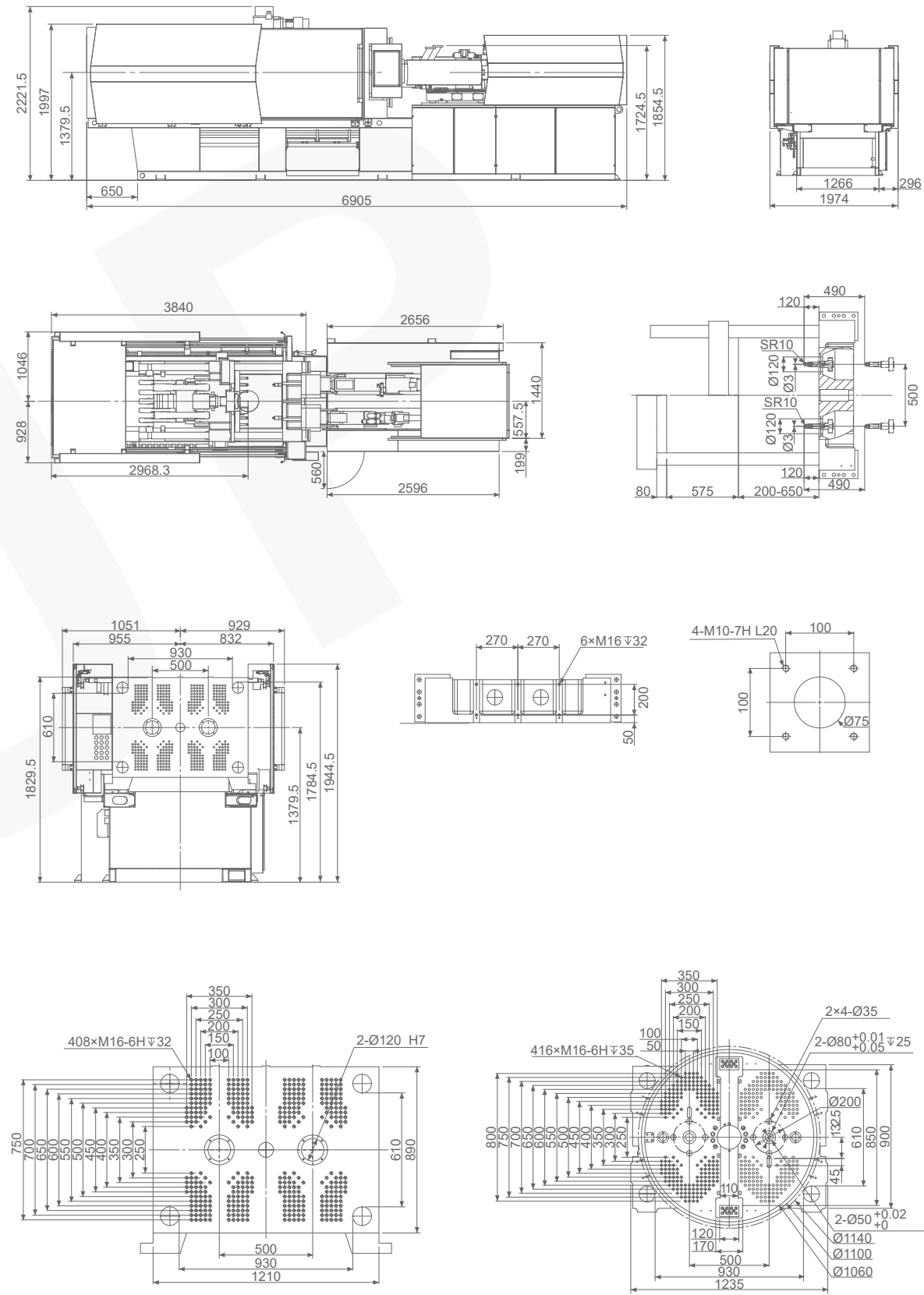
Clamping Unit	Unit	HD280
Clamping Force	kN	2800
Mold Opening Stroke	mm	575
Min. Mold Height	mm	200
Max. Mold Height	mm	650
Tie Bar Space (HxV)	mm	930×610
Diameter of Rotary Platen	mm	1100
Max. Mold Installed Diameter	mm	1151
Bearing Capacity of Rotary Platen	t	2.5
Ejection Stroke	mm	150
Ejection Force	kN	49×2
Nozzle Center Distance	mm	500
Distance Between Molds Positioning Centers	mm	500

Injection Unit	Unit	IU300			IU470		
		A	B	C	A	B	C
Screw Diameter	mm	30	32	36	36	38	42
Screw L/D Ratio	L/D	22	20.5	18	21	20	18
Theoretical Shot Volume	cm³	106	120	152	198	221	279
Shot Weight (PS)	g	96	110	138	183	201	254
Injection Rate (PS)	g/s	137	156	197	167	186	227
Injection Pressure	MPa	280	246	194	228	205	168
Plasticizing Capacity (PS)	g/s	7.7	9.4	13.4	13.4	15.8	21.3
Screw Rotation Speed	rpm	265			265		

General Data	Unit	IU300	IU470
Heater Power	kW	7	9
Motor Power	kW	31	31
Machine Weight	t	14	
Oil Tank Capacity	L	600	
Machine Dim. (L×W×H)	m	7.0×2.0×2.3	

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HD280 Machine Size



unit: mm

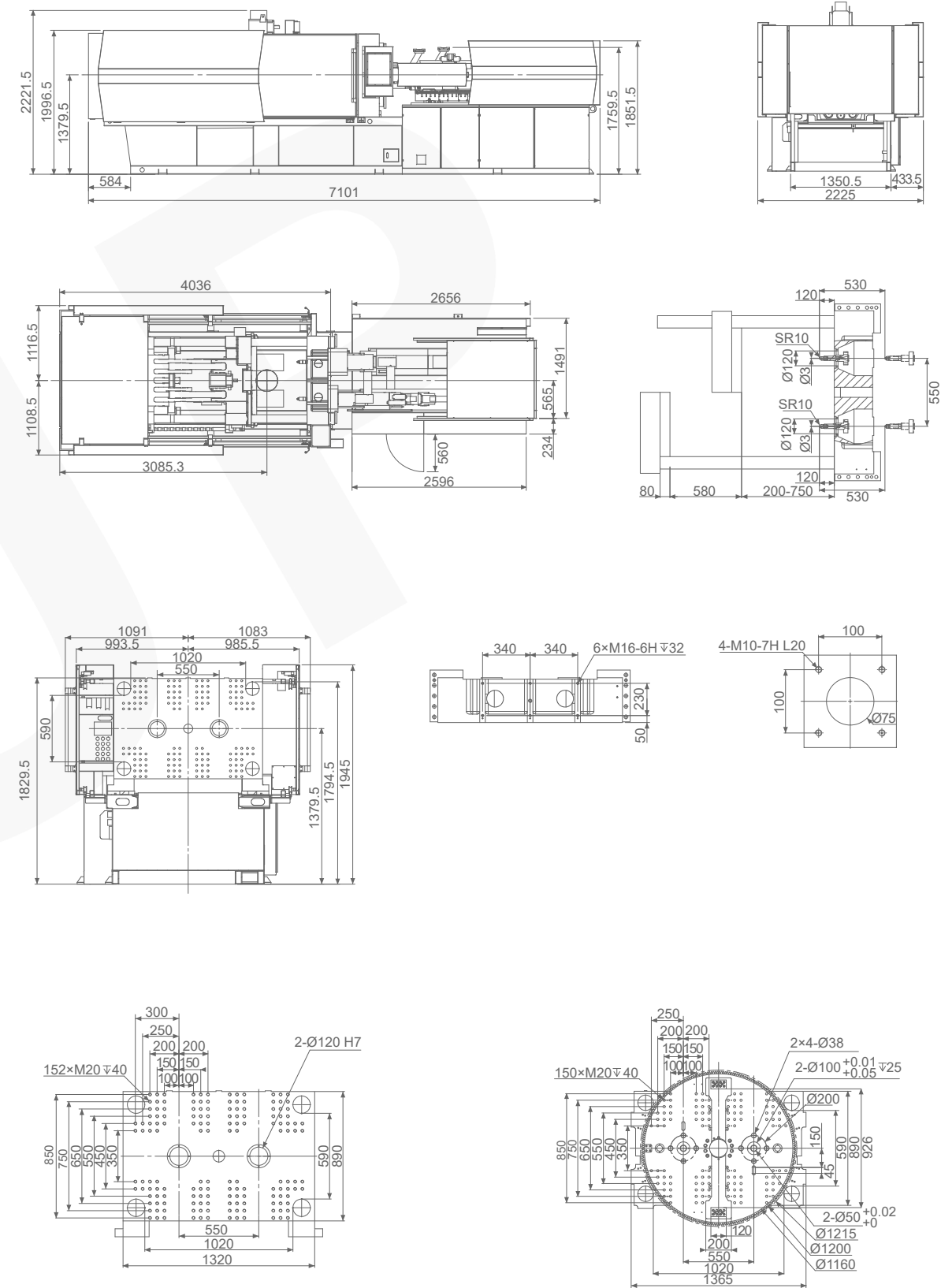
IHD350 SPECIFICATIONS

Clamping Unit	Unit	HD350
Clamping Force	kN	3500
Mold Opening Stroke	mm	580
Min. Mold Height	mm	200
Max. Mold Height	mm	750
Tie Bar Space (HxV)	mm	1020×590
Diameter of Rotary Platen	mm	1200
Max. Mold Installed Diameter	mm	1223
Bearing Capacity of Rotary Platen	t	3.2
Ejection Stroke	mm	150
Ejection Force	kN	49×2
Nozzle Center Distance	mm	550
Distance Between Molds Positioning Centers	mm	550

Injection Unit	Unit	IU470			IU720		
		A	B	C	A	B	C
Screw Diameter	mm	36	38	42	42	45	48
Screw L/D Ratio	L/D	21	20	18	24	22	21
Theoretical Shot Volume	cm³	198	221	279	346	397	452
Shot Weight (PS)	g	183	201	254	315	361	411
Injection Rate (PS)	g/s	167	186	227	183	167	189
Injection Pressure	MPa	228	205	168	208	182	160
Plasticizing Capacity (PS)	g/s	13.4	15.8	21.3	16.9	20.8	25.3
Screw Rotation Speed	rpm	265			210		

General Data	Unit	IU470	IU720
Heater Power	kW	9	12
Motor Power	kW	31	31
Machine Weight	t	16	
Oil Tank Capacity	L	600	
Machine Dim. (L×W×H)	m	7.3×2.3×2.3	

HD350 Machine Size



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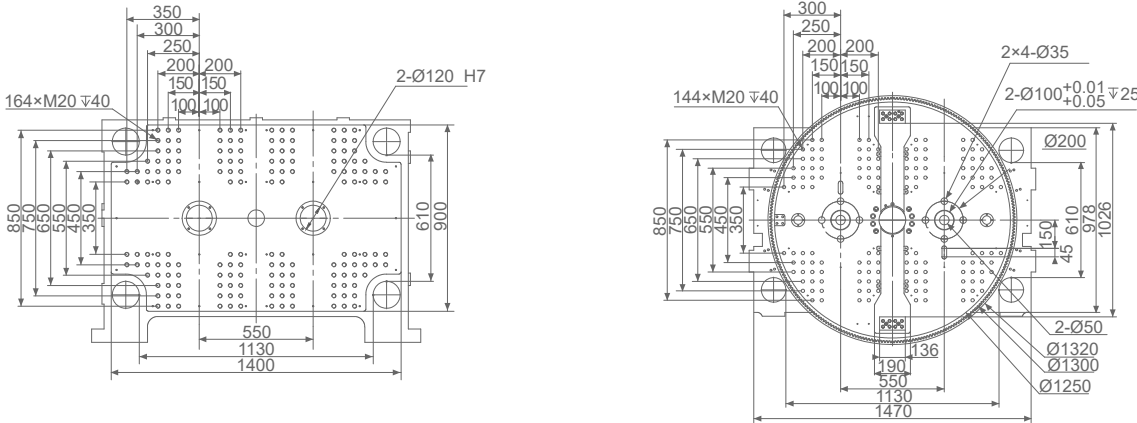
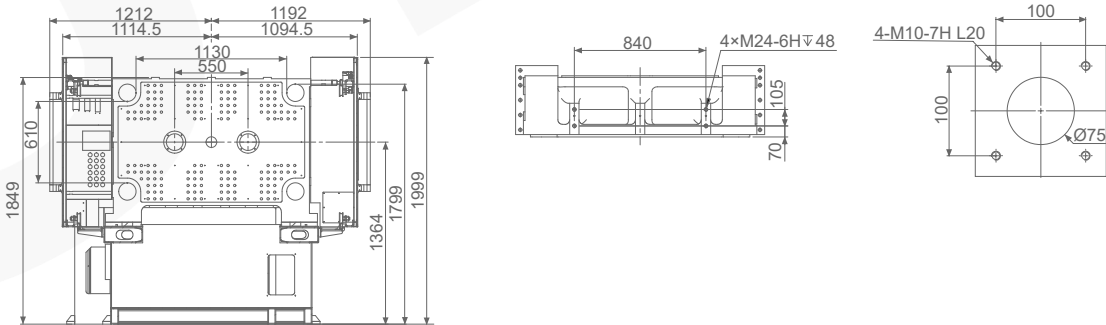
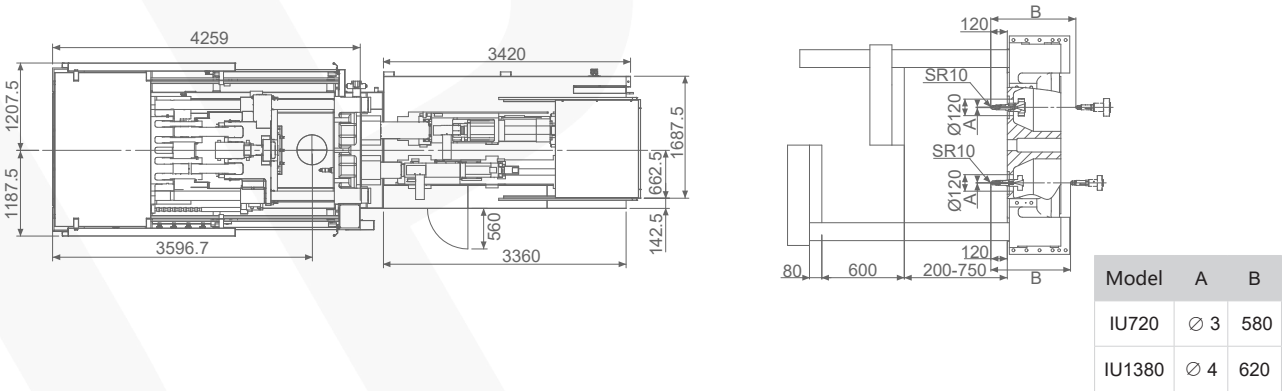
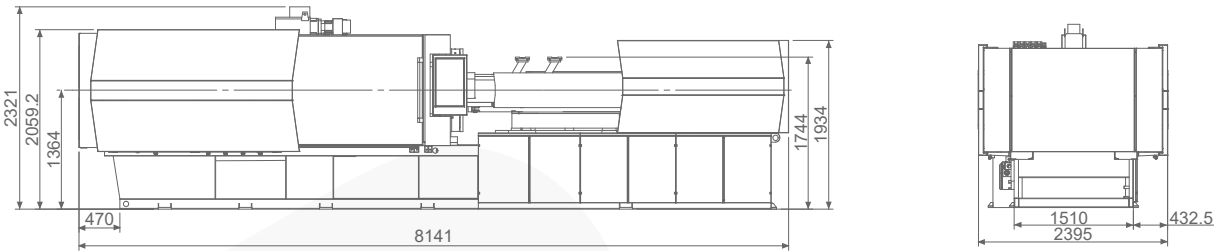
IHD450 SPECIFICATIONS

Clamping Unit	Unit	HD450
Clamping Force	kN	4500
Mold Opening Stroke	mm	600
Min. Mold Height	mm	200
Max. Mold Height	mm	750
Tie Bar Space (HxV)	mm	1130×610
Diameter of Rotary Platen	mm	1300
Max. Mold Installed Diameter	mm	1331
Bearing Capacity of Rotary Platen	t	3.5
Ejection Stroke	mm	185
Ejection Force	kN	77×2
Nozzle Center Distance	mm	550
Distance Between Molds Positioning Centers	mm	550

Injection Unit	Unit	IU720			IU1380		
		A	B	C	A	B	C
Screw Diameter	mm	42	45	48	45	50	55
Screw L/D Ratio	L/D	24	22	21	23	21	19
Theoretical Shot Volume	cm³	346	397	452	493	608	736
Shot Weight (PS)	g	315	361	411	448	553	670
Injection Rate (PS)	g/s	235	266	302	173	215	259
Injection Pressure	MPa	208	182	160	280	226	187
Plasticizing Capacity (PS)	g/s	16.9	20.8	25.3	14	19.2	25.5
Screw Rotation Speed	rpm	210			141		

General Data	Unit	IU720	IU1380
Heater Power	kW	12	19
Motor Power	kW	33	33
Machine Weight	t	20	
Oil Tank Capacity	L	900	
Machine Dim. (L×W×H)	m	8×2.5×2.4	

HD450 Machine Size



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unit: mm

HD550 SPECIFICATIONS

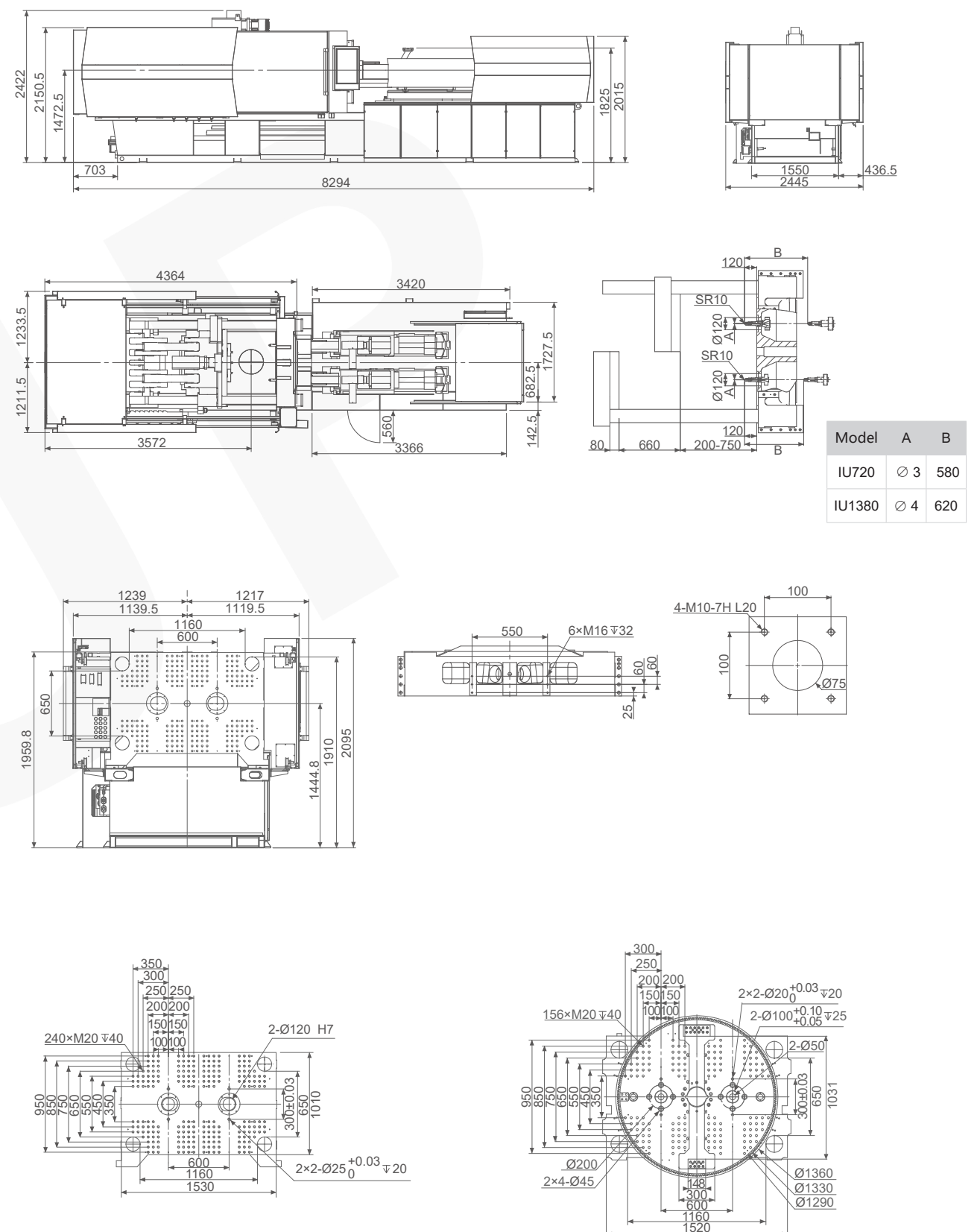
Clamping Unit	Unit	HD550
Clamping Force	kN	5500
Mold Opening Stroke	mm	660
Min. Mold Height	mm	300
Max. Mold Height	mm	850
Tie Bar Space (HxV)	mm	1160×650
Diameter of Rotary Platen	mm	1330
Max. Mold Installed Diameter	mm	1381
Bearing Capacity of Rotary Platen	t	3.8
Ejection Stroke	mm	185
Ejection Force	kN	77×2
Nozzle Center Distance	mm	600
Distance Between Molds Positioning Centers	mm	600

Injection Unit	Unit	IU720			IU1380		
		A	B	C	A	B	C
Screw Diameter	mm	42	45	48	45	50	55
Screw L/D Ratio	L/D	24	22	21	23	21	19
Theoretical Shot Volume	cm³	346	397	452	493	608	736
Shot Weight (PS)	g	315	361	411	448	553	670
Injection Rate (PS)	g/s	235	266	302	173	215	259
Injection Pressure	MPa	208	182	160	280	226	187
Plasticizing Capacity (PS)	g/s	16.9	20.8	25.3	14	19.2	25.5
Screw Rotation Speed	rpm	210			141		

General Data	Unit	IU720	IU1380
Heater Power	kW	12	19
Motor Power	kW	33	33
Machine Weight	t	28	
Oil Tank Capacity	L	900	
Machine Dim. (L×W×H)	m	8.2×2.5×2.5	

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HD550 Machine Size



unit: mm

IHD650 SPECIFICATIONS

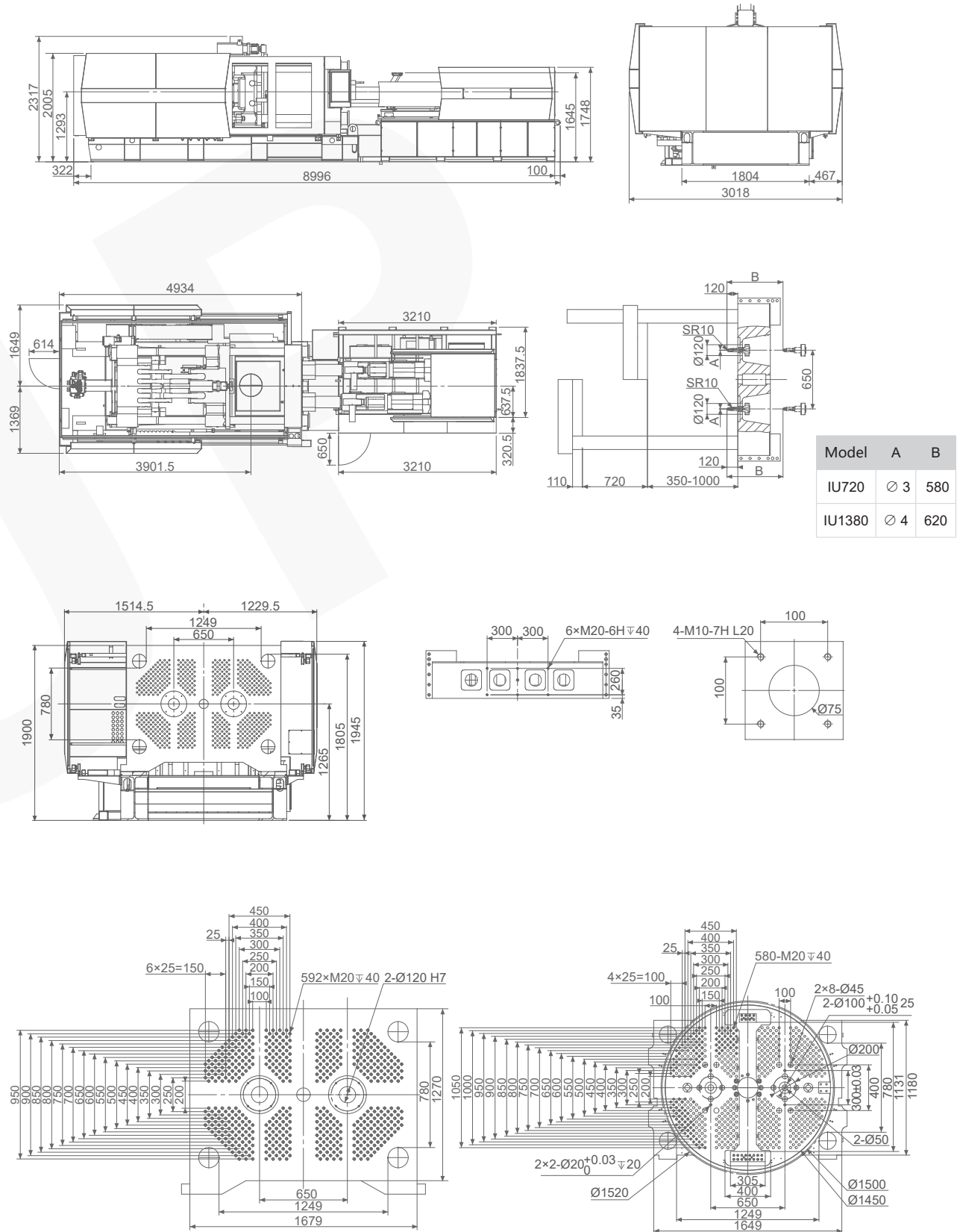
Clamping Unit	Unit	HD650
Clamping Force	kN	6500
Mold Opening Stroke	mm	720
Min. Mold Height	mm	350
Max. Mold Height	mm	1000
Tie Bar Space (HxV)	mm	1249×780
Diameter of Rotary Platen	mm	1500
Max. Mold Installed Diameter	mm	1529
Bearing Capacity of Rotary Platen	t	4
Ejection Stroke	mm	185
Ejection Force	kN	87×2
Nozzle Center Distance	mm	650
Distance Between Molds Positioning Centers	mm	650

Injection Unit	Unit	IU720			IU1380		
		A	B	C	A	B	C
Screw Diameter	mm	42	45	48	45	50	55
Screw L/D Ratio	L/D	24	22	21	23	21	19
Theoretical Shot Volume	cm³	346	397	452	493	608	736
Shot Weight (PS)	g	315	361	411	448	553	670
Injection Rate (PS)	g/s	235	266	302	173	215	259
Injection Pressure	MPa	208	182	160	280	226	187
Plasticizing Capacity (PS)	g/s	16.9	20.8	25.3	14	19.2	25.5
Screw Rotation Speed	rpm	210			141		

General Data	Unit	IU720	IU1380
Heater Power	kW	12	19
Motor Power	kW	33	33
Machine Weight	t	35	
Oil Tank Capacity	L	1000	
Machine Dim. (L×W×H)	m	9.2×2.9×2.4	

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HD650 Machine Size



Model	A	B
IU720	Ø 3	580
IU1380	Ø 4	620

unit: mm

HD850
SPECIFICATIONS

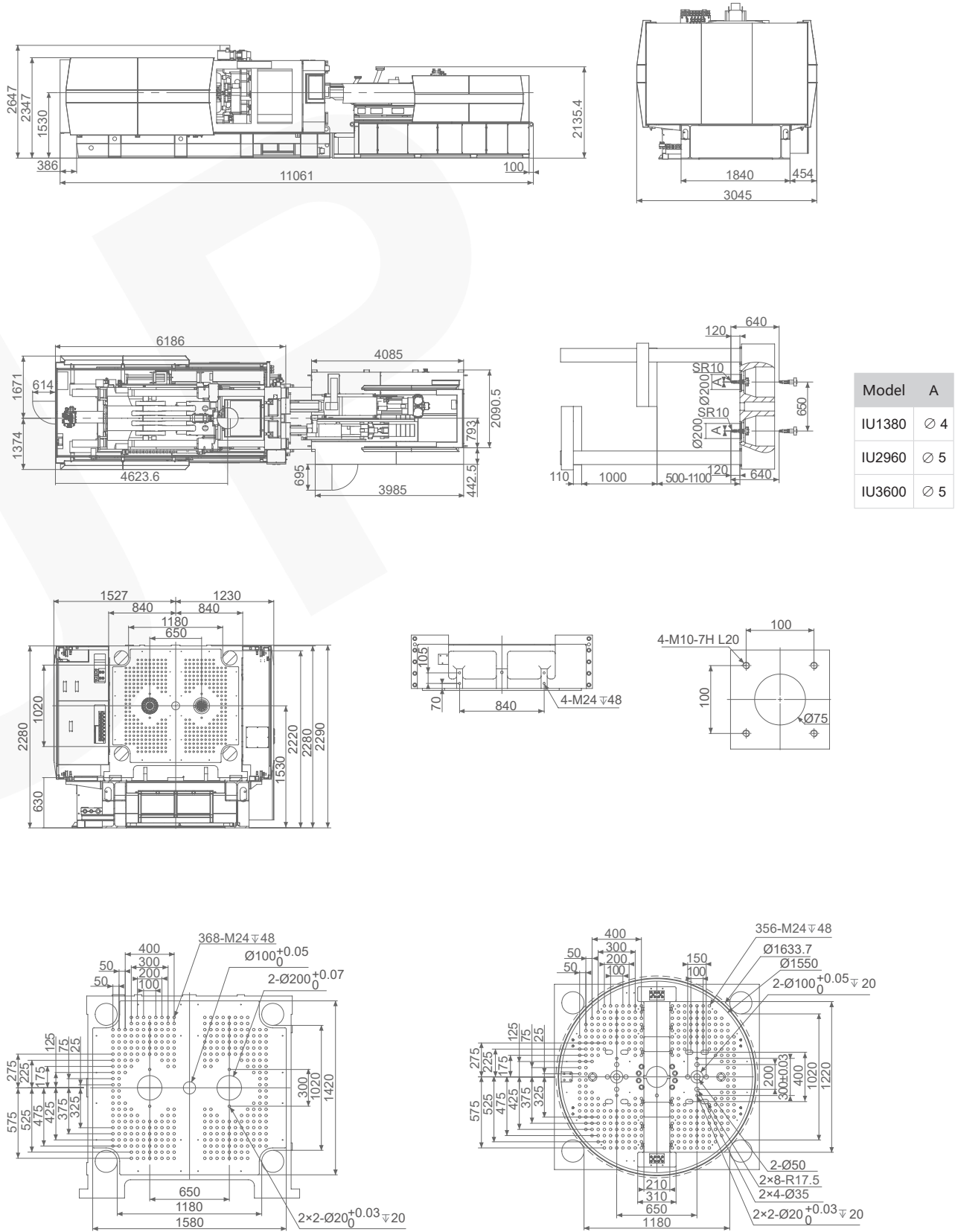
Clamping Unit	Unit	HD850					
Clamping Force	kN	8500					
Mold Opening Stroke	mm	1000					
Min. Mold Height	mm	530					
Max. Mold Height	mm	1100					
Tie Bar Space (HxV)	mm	1180×1020					
Diameter of Rotary Platen	mm	1600					
Max. Mold Installed Diameter	mm	1633					
Bearing Capacity of Rotary Platen	t	7					
Ejection Stroke	mm	250					
Ejection Force	kN	110×2					
Nozzle Center Distance	mm	650					
Distance Between Molds Positioning Centers	mm	650					

Injection Unit	Unit	IU1380			IU2960	IU3600	
		A	B	C	A	A	B
Screw Diameter	mm	45	50	55	60	70	80
Screw L/D Ratio	L/D	23	21	19	21	22	19
Theoretical Shot Volume	cm³	493	608	736	975	1615	2110
Shot Weight (PS)	g	448	553	670	887	1470	1920
Injection Rate (PS)	g/s	173	215	259	283	385	503
Injection Pressure	MPa	280	226	187	304	223	171
Plasticizing Capacity (PS)	g/s	14	19.2	25.5	31.3	49.7	74.2
Screw Rotation Speed	rpm	141			133		

General Data	Unit	IU1380			IU2960	IU3600	
Heater Power	kW	19			26	31	
Motor Power	kW	33			58		
Machine Weight	t	50					
Oil Tank Capacity	L	1100					
Machine Dim. (L×W×H)	m	11×2.9×2.6					

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HD850 Machine Size



Model	A
IU1380	Ø 4
IU2960	Ø 5
IU3600	Ø 5

unit: mm

HD1000 SPECIFICATIONS

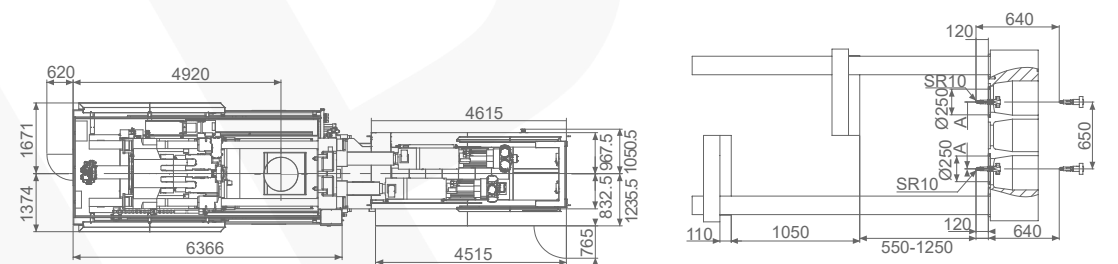
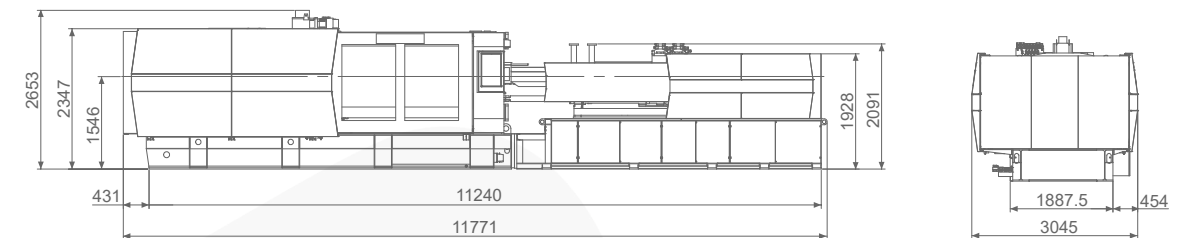
Clamping Unit	Unit	HD1000
Clamping Force	kN	10000
Mold Opening Stroke	mm	1050
Min. Mold Height	mm	530
Max. Mold Height	mm	1250
Tie Bar Space (HxV)	mm	1180×1020
Diameter of Rotary Platen	mm	1600
Max. Mold Installed Diameter	mm	1633
Bearing Capacity of Rotary Platen	t	8
Ejection Stroke	mm	250
Ejection Force	kN	110×2
Nozzle Center Distance	mm	710
Distance Between Molds Positioning Centers	mm	710

Injection Unit	Unit	IU1380			IU2960	IU3600	
		A	B	C	A	A	B
Screw Diameter	mm	45	50	55	60	70	80
Screw L/D Ratio	L/D	23	21	19	21	22	19
Theoretical Shot Volume	cm³	493	608	736	975	1615	2110
Shot Weight (PS)	g	448	553	670	887	1470	1920
Injection Rate (PS)	g/s	173	215	259	283	385	503
Injection Pressure	MPa	280	226	187	304	223	171
Plasticizing Capacity (PS)	g/s	14	19.2	25.5	31.3	49.7	74.2
Screw Rotation Speed	rpm	141			133		

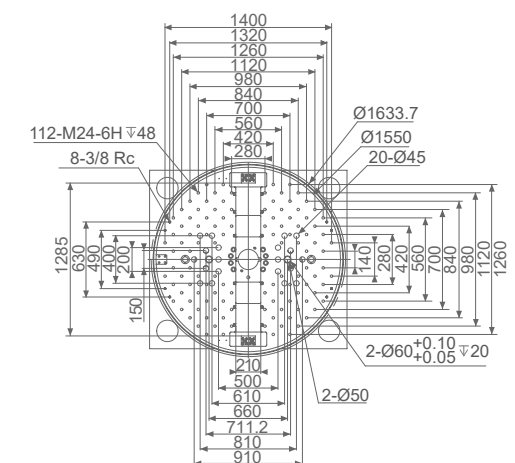
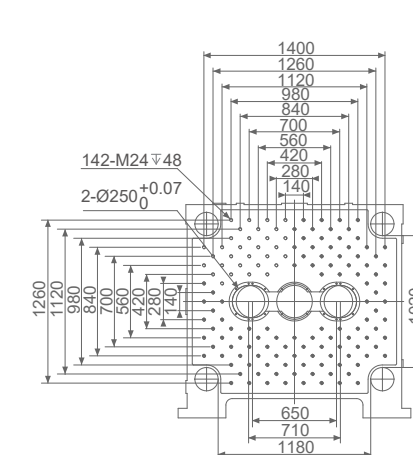
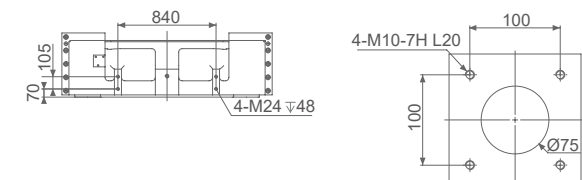
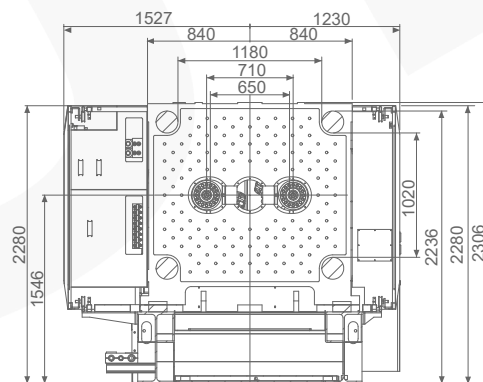
General Data	Unit	IU1380	IU2960	IU3600
Heater Power	kW	19	26	31
Motor Power	kW	33	58	
Machine Weight	t	52		
Oil Tank Capacity	L	1100		
Machine Dim. (L×W×H)	m	11.3×3.1×2.64		

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HD1000 Machine Size



Model	A
IU1380	Ø 4
IU2960	Ø 5
IU3600	Ø 5



unit: mm

HD1300LP
SPECIFICATIONS

Clamping Unit	Unit	HD1300LP
Clamping Force	kN	13000
Mold Opening Stroke	mm	1200
Min. Mold Height	mm	600
Max. Mold Height	mm	1450
Tie Bar Space (HxV)	mm	1385×1220
Diameter of Rotary Platen	mm	1910
Max. Mold Installed Diameter	mm	1934
Bearing Capacity of Rotary Platen	t	9
Ejection Stroke	mm	250
Ejection Force	kN	110×2
Nozzle Center Distance	mm	710
Distance Between Molds Positioning Centers	mm	710

Injection Unit	Unit	IU1380			IU2960	IU3600
		A	B	C	A	A
Screw Diameter	mm	45	50	55	60	70
Screw L/D Ratio	L/D	22	21	22	21	22
Theoretical Shot Volume	cm³	493	608	736	975	1615
Shot Weight (PS)	g	448	553	670	887	1470
Injection Rate (PS)	g/s	173	215	259	283	385
Injection Pressure	MPa	280	227	187	304	223
Plasticizing Capacity (PS)	g/s	14	19.2	25.5	30.6	48.5
Screw Rotation Speed	rpm	141			130	

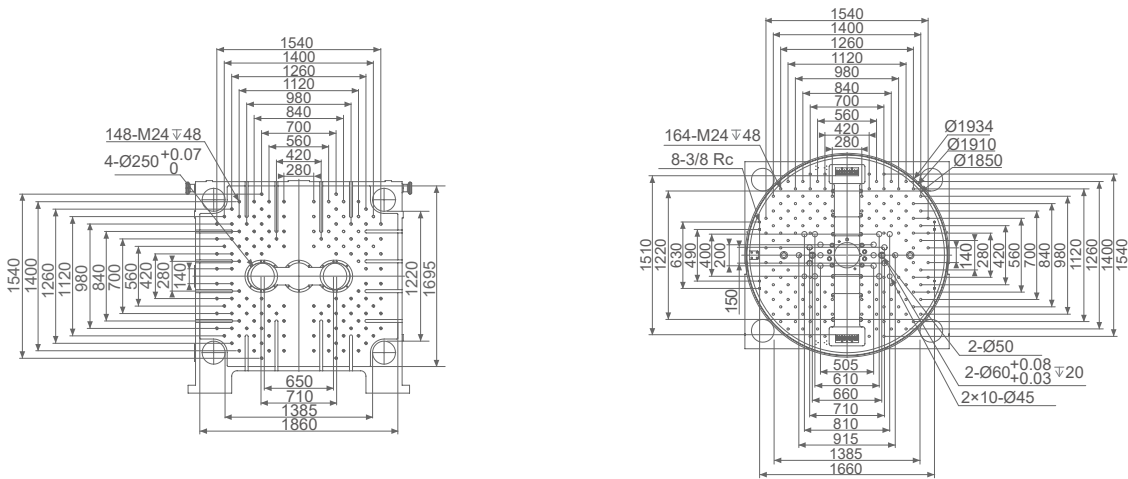
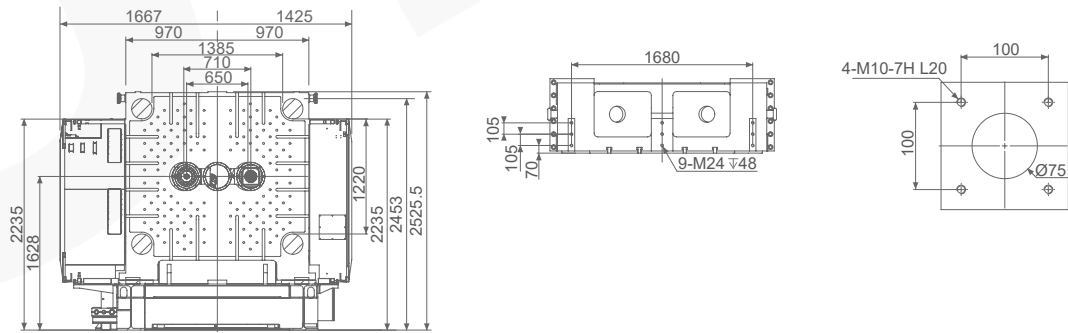
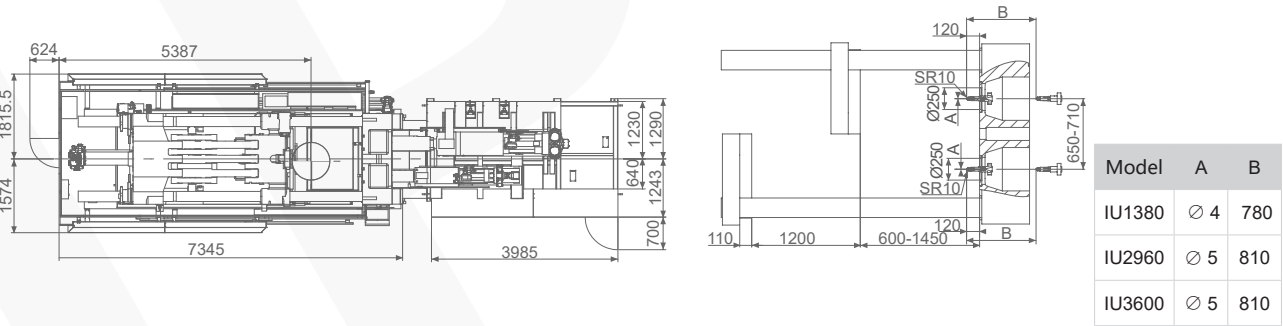
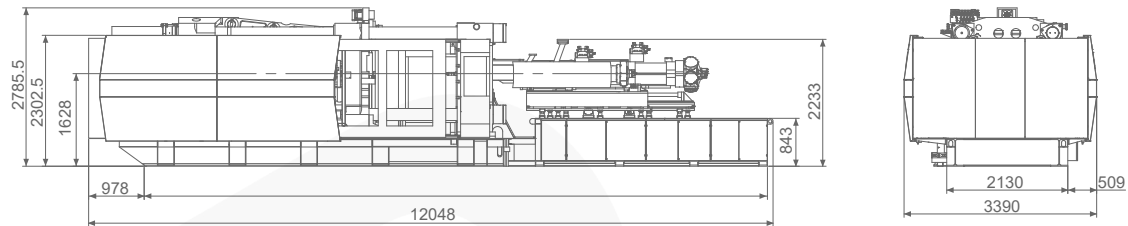
General Data	Unit	IU1380	IU2960	IU3600
Heater Power	kW	19	26	31
Motor Power	kW	33	58	58
Machine Weight	t	61		
Oil Tank Capacity	L	1100		
Machine Dim. (L×W×H)	m	12.5×3.4×2.8		

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HD1300LP Machine Size



unit: mm

HD1500LP
 SPECIFICATIONS

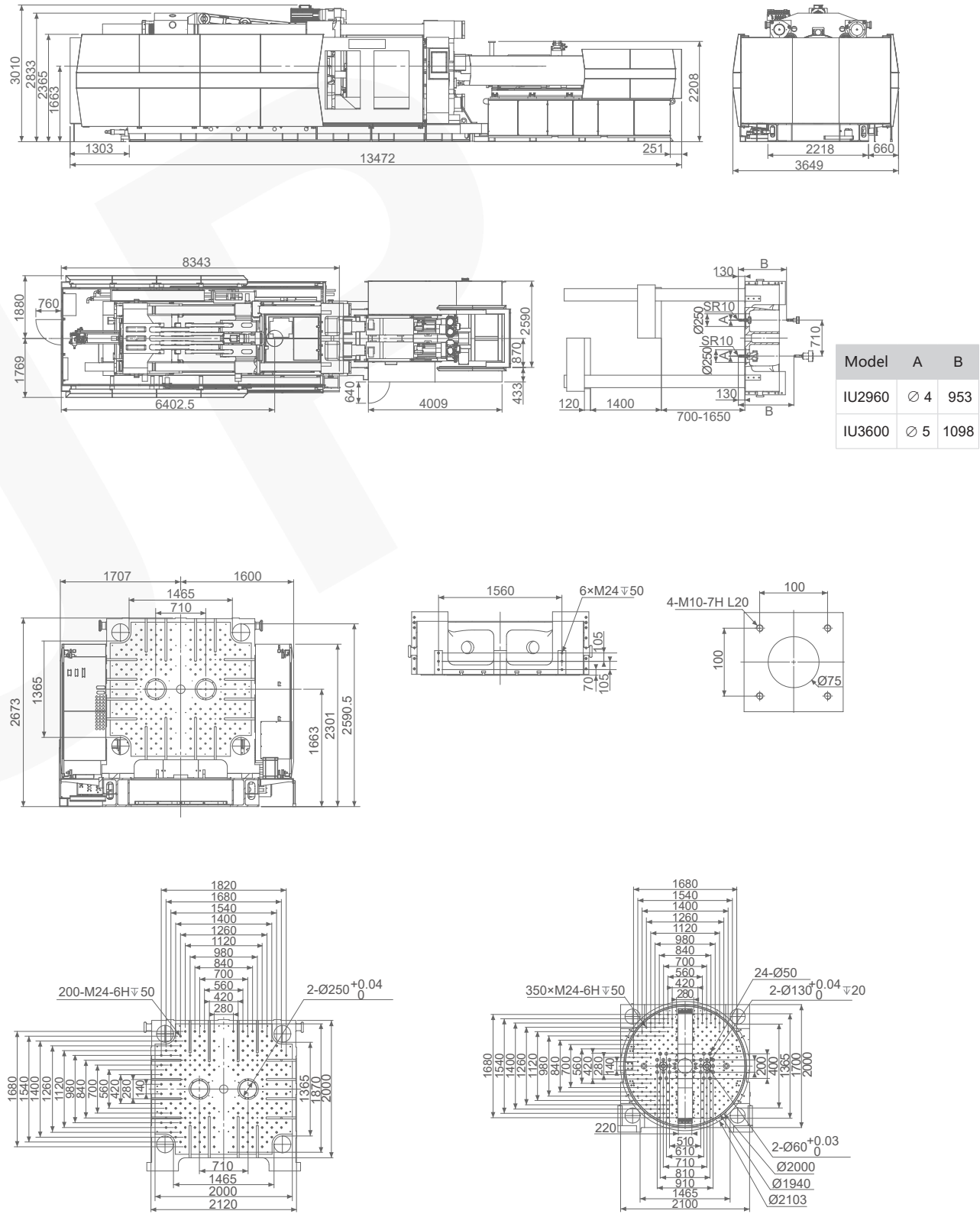
Clamping Unit	Unit	HD1500LP
Clamping Force	kN	15000
Mold Opening Stroke	mm	1400
Min. Mold Height	mm	700
Max. Mold Height	mm	1650
Tie Bar Space (HxV)	mm	1465×1365
Diameter of Rotary Platen	mm	2000
Max. Mold Installed Diameter	mm	2103
Bearing Capacity of Rotary Platen	t	12
Ejection Stroke	mm	300
Ejection Force	kN	166×2
Nozzle Center Distance	mm	710
Distance Between Molds Positioning Centers	mm	710

Injection Unit	Unit	IU1700		IU2960	IU3600		IU4950	
		A	B	A	A	B	A	B
Screw Diameter	mm	55	60	60	70	80	80	90
Screw L/D Ratio	L/D	21	20	21	21	19	22	19
Theoretical Shot Volume	cm³	736	876	975	1615	2110	2311	2925
Shot Weight (PS)	g	670	797	887	1470	1920	2103	2662
Injection Rate (PS)	g/s	259	308	283	385	503	494	625
Injection Pressure	MPa	231	194	304	223	171	214	168
Plasticizing Capacity (PS)	g/s	41.7	54.1	30.6	48.5	72.5	79.2	112.8
Screw Rotation Speed	rpm	230		130	130		142	

General Data	Unit	IU1700	IU2960	IU3600	IU4950
Heater Power	kW	17.4	26	31	38
Motor Power	kW	41	58	58	41×2
Machine Weight	t	80			
Oil Tank Capacity	L	1350			
Machine Dim. (L×W×H)	m	13×3.35×3.2			

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 The plasticization rate depends on the process and the material used.
 If you have any other special requirements, please contact us.

HD1500LP Machine Size



unit: mm

HD1700LP SPECIFICATIONS

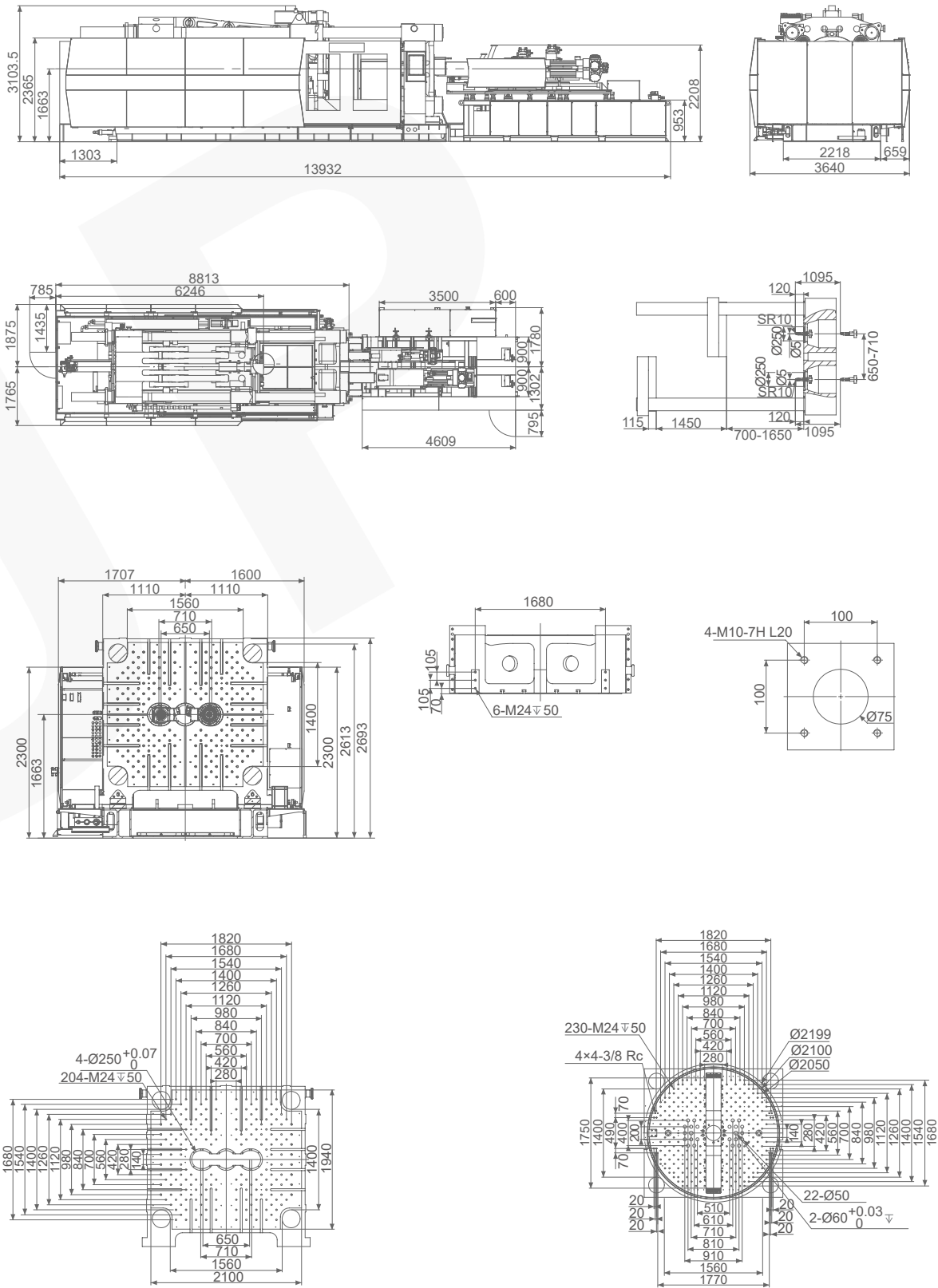
Clamping Unit	Unit	HD1700LP
Clamping Force	kN	17000
Mold Opening Stroke	mm	1450
Min. Mold Height	mm	700
Max. Mold Height	mm	1650
Tie Bar Space (HxV)	mm	1560×1400
Diameter of Rotary Platen	mm	2100
Max. Mold Installed Diameter	mm	2199
Bearing Capacity of Rotary Platen	t	15
Ejection Stroke	mm	300
Ejection Force	kN	166×2
Nozzle Center Distance	mm	710
Distance Between Molds Positioning Centers	mm	710

Injection Unit	Unit	IU720	IU1380		IU2960	IU3600	IU4950	
		A	A	B	A	A	A	B
Screw Diameter	mm	42	45	50	60	70	80	90
Screw L/D Ratio	L/D	20	22	21	21	22	22	19
Theoretical Shot Volume	cm³	346	493	608	975	1615	2311	2926
Shot Weight (PS)	g	315	448	553	887	1470	2103	2662
Injection Rate (PS)	g/s	182	173	215	283	385	494	625
Injection Pressure	MPa	208	280	226	304	223	214	169
Plasticizing Capacity (PS)	g/s	16.9	14	19.2	30.6	48.5	79.2	112.8
Screw Rotation Speed	rpm	210	141		130	130	142	

General Data	Unit	IU720	IU1380	IU2960	IU3600	U4950
Heater Power	kW	12	19	31		38
Motor Power	kW	25	33	58		41×2
Machine Weight	t	95				
Oil Tank Capacity	L	500	1350			
Machine Dim. (L×W×H)	m	13.3×3.5×3.2				

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HD1700LP Machine Size



unit: mm

HD Standard & Optional Functions

CLAMPING UNIT	STD	OPT
Screw hole platen	▲	
High rigidity toggle system	▲	
Hydraulic and electrical interlock device	▲	
Mold height auto-adjustment function	▲	
Turntable servo driven	▲	
Mold open/close controlled by transducer	▲	
Quantitative automatic centralized lubrication	▲	
Adjustable platen supporting device	▲	
Moving platen with high rigidity rail board	▲	
Automatic safety door(HD-450 and above)	▲	
Water manifoldx2	▲	
Pneumatic valve x 2, movable and fixed side, one for each	▲	
Core puller x2 (On moving platen), HD850 and below	▲	
Core puller x4 (moving side x 2, fixed side x 2), std. configuration for HD1000 and above	▲	
Mold open/close proportional control		△
Mold open/close closed-loop control		△
Ejection closed-loop control		△
Platen with EUROMAP 2 mold mounting dimensions		△
Mechanical safety device		△
Top safety cover for clamping unit		△
Automatic safety door (HD400 and below)		△
Euromap 18 robot mounting interface		△
Magnetic platen		△
Hydraulic/electrical unscrew device		△
Water manifold with quick coupling		△
Pneumatic valve x 2		△
Pneumatic valve x 4		△
Core puller x 3 (2 on moving platen,1 on fixed platen)		△
Sequential valve		△
Quick clamping device		△
Synchronous mold opening and ejection (Ejection without proportional control)		△
Synchronous mold opening and ejection (Ejection with proportional control)		△
Synchronous charging and mold opening (Charge with proportional control)		△
Synchronous molding opening, charging and ejection		△

▲ Standard function △ Optional function

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INJECTION UNIT	STD	OPT
Standard screw	▲	
Single injection cylinder structure	▲	
Screw rotation speed display	▲	
Hydraulic motor for plasticizing	▲	
Proportional back pressure control	▲	
Nozzle cover	▲	
Ceramic heater band	▲	
Special screw		△
Feeding zone temperature control		△
Centralized lubrication for injection carriage		△
Gas assisted injection interface		△
Electric plasticizing		△
Hopper dryer		△
Stainless steel hopper		△

ELELECTRIC UNIT	STD	OPT
KEBA controller	▲	
Real time working condition monitoring	▲	
Production data monitoring	▲	
Fault alarm	▲	
I/O monitoring display	▲	
Emergency stop buttons for safety door, front and rear	▲	
5P 380V/16A x4, 5P 380V/32A x 4(HD500 and below)	▲	
3P 220V/10A x 1	▲	
5P 380V/32A x8 (HD1000 and above)	▲	
Heating double protection	▲	
SSR heating control	▲	
Motor overload protection	▲	
3-color-lamp alarm	▲	
Injection pressure turns to pressure holding		△
Servo power system transformer		△
Euromap 12 robot interface		△
Euromap 67 robot interface		△
Safety replay monitoring		△
Real time clamping force monitoring		△
Real time power consumption monitoring		△
Hot runner control and interface		△
MES production management system		△
HYDRAULIC UNIT	STD	OPT
Servo oil pump	▲	
Oil suction lock device	▲	
Oil pump motor, power increased		△
Multi-sequential injection function		△
Injection servo control		△
Hydraulic oil level alarm		△
Cooling valve		△

▲ Standard function △ Optional function

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OTHERS	STD	OPT
HD series standard color	▲	
Leveling pad	▲	
General tools, spare parts, mold clamps, operation manual	▲	
Anchor bolts		△
Special color		△
Increased machine base		△
Robot		△
Hopper magnet		△
Chiller		△
Mold temperature controller		△
Dehumidifier		△
Auto-loader		△