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Website



Wechat



BU-V Two-Platen Series

20 Years' R&D on Two-Platen IMM, Full Range
& Big Scale

Expert of Intelligent Two-Platen IMM

Intelligent Two-platen IMM With PlasCloud App as Standard

PlasCloud makes injection molding more efficient

The Biggest Two-Platen IMM Manufacturer in Asia

Borche BU6800 is the biggest two platen injection molding machine in Asia in terms of combination of clamping force and injection volume as well as power saving effect.

The clamping force reaches to 68000 KN. Machine is with ultra-long daylight and super large mold thickness.

Borche BU two platen injection molding machine can be widely applied to aerospace field, automotive industry, transportation field, household appliance, and new rural construction.



IoT device



Process Cloud Management



Digitalization Maintenance

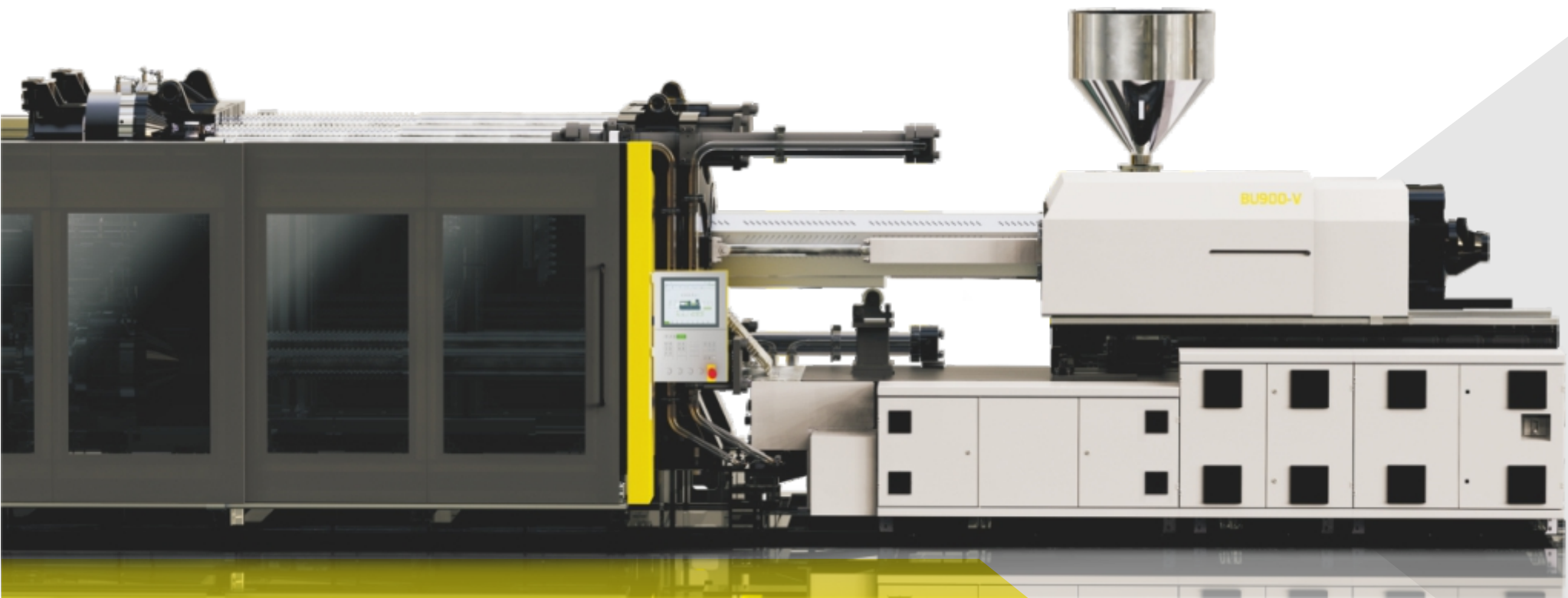


Injection Molding Knowledge Bank



Remote Support





Patent

Patent unumber: 201210111847.8
Patent name: A type of mechanical hinge direct clamping mold mechanism

Patent unumber: 201511022175.3
Patent name: A type of brake control oil circuit

Patent unumber: 201210111847.8
Patent name: A type of clamping mold mechanism, injection molding equipment, die-casting molding equipment
Patent unumber: 201610509008.X
Patent name: A tie-bar locking device and clamping structure

Patent unumber: 201610304376
Patent name: A slider subassembly applied to support the moving platen

Patent unumber: 201610937321.3
Patent name: A connection structure for fixed platen and tie-bar

Patent unumber: 201710104146.4
Patent name: A type of two-plate clamping mold device

Patent unumber: 201810078369.2
Patent name: A type of two-plate clamping mold device

Patent unumber: 201810955952.7
Patent name: A type of water-cooled external cooling device for molds

Patent unumber: 201810966639.3
Patent name: Equipment for the efficient intelligent production method of household storage boxes

Patent unumber: 201810966661.8
Patent name: A type of intelligent production equipment for household storage boxes
Patent unumber: 2201910842302.6
Patent name: Moving seat, clamping mold device, and injection molding machine

Patent unumber: 201910842915.X
Patent name: A type of pre-assembly assist device for the heating ring of an injection molding machine

Patent unumber: 202010609659.2
Patent name: A type of two-plate injection molding machine brake position adjustment method, device, and storage medium

Patent unumber: 202010609620
Patent name: A type of two-plate injection molding machine and clamping control method, device, storage medium

Patent unumber: 202110481147.7
Patent name: A type of injection molding machine clamping mold mechanism and clamping rear seat plate

Patent unumber: 202110259741.1
Patent name: A dynamic compensation system based on injection molding product quality control

Patent unumber: 202110308678.6
Patent name: A sectional type of automatic tie-bar removal and moldclamping mechanism for injection molding machine

Patent unumber: 202111341376.5
Patent name: A solenoid power drive structure for injection molding machines

Patent unumber: 202111342823.9
Patent name: An adjustable injection molding nozzle platform

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2007, Borsche worked with European R&D team to launch two platen IMM, and gained many national patents;

2012, Borsche new generation two platen IMM was put into production, its technological performance has been in a leading position;

2013, Borsche BU6800 was launched, which set up the new benchmark in the industry;

2017, Borsche became the expert of intelligent two platen IMM and the biggest two platen IMM manufacturer in Asia;

2019 ,Second prize of national science and technology progress award

Patent unumber: 202210487872.X
Patent name: A magnetic automatic tie-bar removal of injection molding machine

Patent unumber: 202210865246.X
Patent name: An electric injection platform device

Patent unumber: 202211078579.4
Patent name: A synchronous belt melting and direct drive injection structure

Patent unumber: 202211068526.4
Patent name: An electric motor-driven rotating injection platform device

Patent unumber: 202211549163.6
Patent name: A ball screw life detection method, device, electronic equipment, and storage medium

Patent unumber: 202310188578.3
Patent name: An intelligent pressure maintenance control method for hydraulic injection molding machines

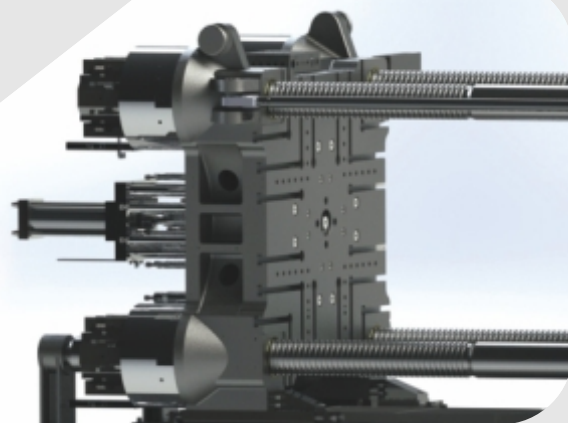
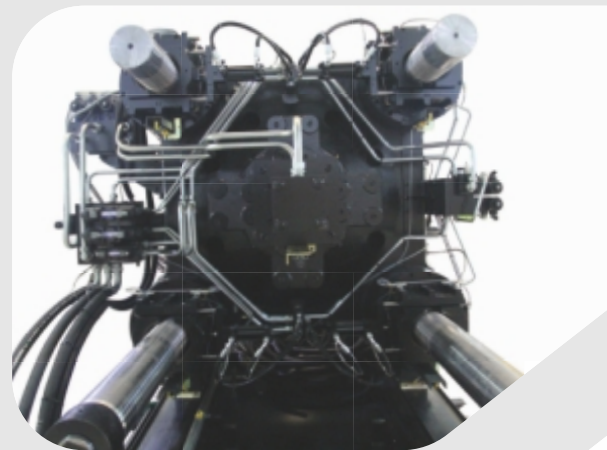
Patent unumber: 202211165812.2
Patent name: A modular intelligent assembly production line for injection molding equipment electrical cabinets



Machine Features

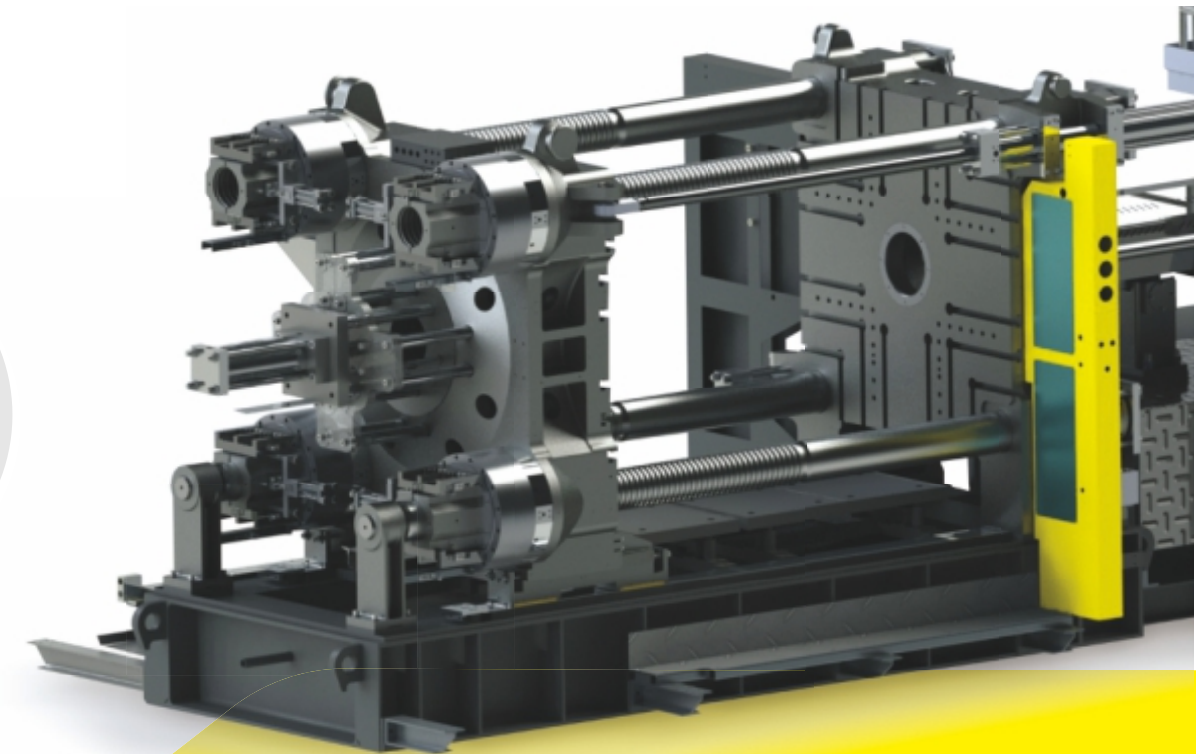
Super Long Lasting Tie Bar

During high pressure locking, four tie bars are under equal force, no unbalanced load occurred, avoiding tie bar broken theoretically.



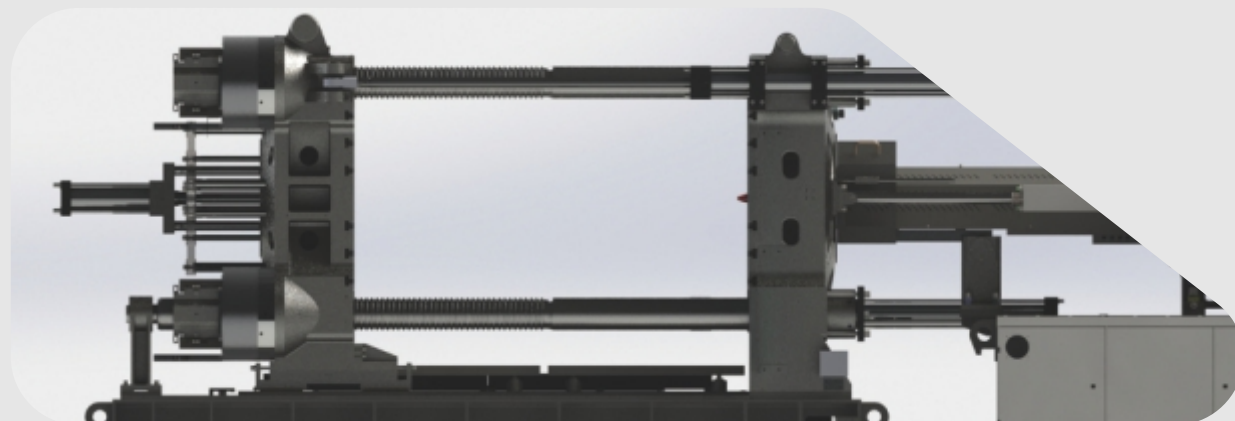
Moving Platen Clamping

Tie bars move across clamping cylinder, no contact with seals, less leakage risk;
Module type clamping cylinder, can be assembled and disassembled together, easy for maintenance
Pistons of four cylinders are controlled separately, which can adjust the locking Position precisely, and assure fast and precise locking
Clamping cylinder assembled in the moving platen can balance the load of mold, avoiding forward tilt, improve stability of mold open and clamping movement



Tie Bar Guiding

Borche BU machine adopts the structure of fixing two bottom tie bars, assures platen moving guiding.
Machine frame works as the support during platen moving, bottom tie bars work as guiding and auxiliary support.
Above new guiding structure can guarantee mold movement stability and reliability, avoiding unbalanced force on tie bars and mold jiggling motion, and can load heavier mold.



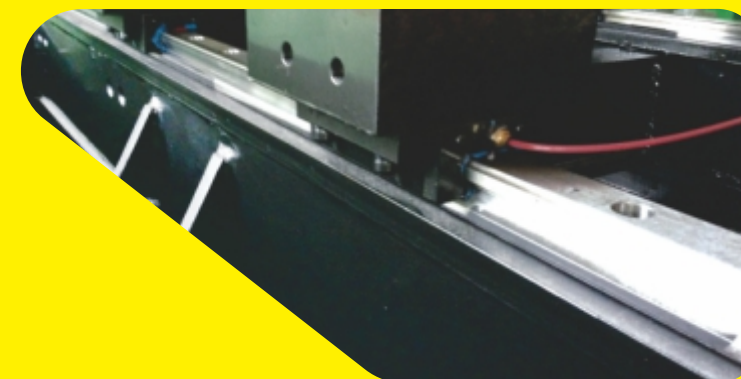
Shorter Cycle Time

High performance and response controller
12" touch screen
Intel 1.1G CPU
Better application scalability meets complicated production requirements. With special hydraulic circuit, optimized movement calculation, dry cycle time of the machine is less.



Innovated injection Structure

Both carriage cylinder and injection adopt linear guides, which guarantee stable and fast movement. Injection supporting made by one piece casting, is rigid and compact.
Double carriage cylinder assures injection unit better centering, and stable movement.



Intelligent Interconnection

The human-computer interface from IMM enables the Intelligent Interconnection of IMM, peripherals (cooling machine, mold temperature controller etc.), and robot. All equipments are under close loop control and all data is corresponding with each other, thus product quality is improved, and production cost is decreased.



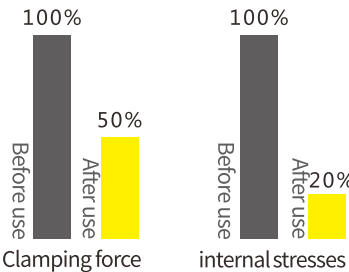
Municipal Engineering & Environmental Protection Industry

Machine Model: BU4000
Molding Technique: Compression Injection Molding
Product: Filter PlateSize:2000mmX2000mmX50mm
Weight: 165kg
Raw Material: PP+6%GF



Comparison btw use compression molding and not

The product is heavy weight and with big projected area, requires precise dimension and small deformation. Low MFI sticky compound needs 8000 ton clamping force to make the products under general molding condition. With compression molding it can be realized with 4000ton. Note: Compression molding is an improved molding method which can increase flow length ratio, allow smaller clamping force, lessen internal stresses, and increase production efficiency.



Auto Parts

Machine Model: BU3000
Molding Technique :
Charging during mold open
Core out/Ejection forward during mold open
Core in/Ejection backward during mold open
Product: Bumper
Weight: 4.5kg
Raw Material: Modified PP



Adopted servo charging, BU3300 realizes three parallel movements, lessen dry cycle time. Cycle can be reduced more if mold cooling time less. Servo valve used for injection increases shot repeatability, meets the high precision and efficiency requirement of auto part molding.



New Rural Construction Products

Machine Model: BU2500
Molding Technique: Enlarge Injection Weight
Product: Septic Tank
Weight :22.5kg
Material: PE

Super large injection unit of Borsche BU2500, and equal force of clamping, makes the parts molding easily and efficiently.



Logistics

Machine Model: BU1800
Molding Technique : Deep Cavity products/High pressure mold open
Product: 240L trash
Weight : 11.5kg
Material: PP/PE

Borche BU machine has super large mold opening stroke, and strong opening force, which is perfect to make deep cavity products



Household Appliance

Machine Model: BU1200
Molding Technique: Big Mold Opening Stroke
Product: Washing Machine Barrel
Weight :3.2kg
Material: PP

Think wall and complicated shape product, needs good plasticizing, high shot speed and stable injection end position. Special designed BU 1200 can meet all the requirements of household appliance industry.

Clamping Unit	Injection Unit												
Model	1367	2239	3266	4155	5700	7400	11500	13500	17650	29500	40700	51400	64000
BU500-V													
BU600-V													
BU700-V													
BU800-V													
BU900-V													
BU1000-V													
BU1200-V													
BU1350-V													
BU1500-V													
BU1650-V													
BU1800-V													
BU2200-V													
BU2500-V													
BU2800-V													
BU3300-V													

Standard Optional

Description



MOLDEL	UNIT	BU500-V			BU600-V			BU700-V			BU800-V			BU900-V			BU1000-V			BU1200-V			BU1350-V			BU1500-V			BU1650-V			BU1800-V			BU2200-V			BU2500-V			BU2800-V			BU3300-V		BU4000-V		BU5000-V		BU6800-V		BU7200-V		BU9000-V															
INTERNATIONAL CLASS NUMBER		3266			4155			5700			5700			7400			7400			11500			13500			13500			17650			17650			29500			29500			40700			64000		89700		120580		165400		212100		212100															
Injection Unit																																																																					
Screw Diameter	mm	70	80	90	80	85	95	90	100	105	90	100	105	100	105	115	100	105	115	105	115	130	115	130	140	115	130	140	130	140	150	130	140	150	150	160	170	150	160	170	165	185	205	215	240	270	285	300	285	300	300																		
Shot Volume	cm3	1539	2011	2545	2262	2554	3190	3181	3927	4330	3181	3927	4330	4123	4546	5453	4123	4546	5453	5195	6232	7964	6751	8628	10006	6751	8628	10006	9291	10776	12370	9291	10776	12370	16611	18900	21336	16611	18900	21336	19779	24864	30531	45744	56773	77295	99519	110270	127588	141372	141372																		
Shot Weight(PS)	g	1401	1830	2316	2058	2324	2903	2895	3574	3940	2895	3574	3940	3752	4137	4962	3752	4137	4962	4728	5671	7247	6144	7851	9105	6144	7851	9105	8455	9806	11257	8455	9806	11257	15116	17199	19416	15116	17199	19416	17999	22626	27783	41627	51663	70338	90562	100346	116105	128648	128649																		
Shot Weight(PS)	OZ	49	65	82	73	82	102	102	126	139	102	126	139	132	146	175	132	146	175	167	200	256	217	277	321	217	277	321	298	346	397	298	346	397	533	607	685	533	607	685	635	798	980	1468	1822	2481	3194	3540	4095	4538	4538																		
Injection Pressure	Mpa	212	162	128	184	163	130	181	147	133	181	147	133	180	163	136	180	163	136	221	184	144	200	157	135	200	157	135	191	164	143	191	164	143	178	156	139	178	156	139	207	165	134	140	158	158	166	150	166	150	150																		
Screw L/D Ratio	L/d	24	21	19	22.3	21	19	25	22.5	21	25	22.5	21	24	23	21	24	23	21	24	22	20	25	22	20.5	25	22	20.5	24	22	21	24	22	21	23	21.6	20	23	21.6	20	26	23	21	21	22	22	23	22	23	22	24																		
Injection Stroke	mm	400			450			500			500			525			525			600			650			650			700			700			940			940			925			1260	1255	1350	1560	2000	2000																				
Screw Rotary Speed Max	rpm	170			168			134			134			115			115			110			105			105			102			102			85			85			72			72	40	50	30	30	30																				
Nozzle Contact Force	KN	80			80			200			200			200			200			200			200			200			200			200			290			290			290			290	480	480	640	640	640																				
Nozzle Stroke	mm	620			620			675			675			770			770			850			900			900			965			965			1110			1110			1110			1110	1200	1200	1400	1400	1800																				
Injection Unit																																																																					
Clamping Force	KN	5000			6000			7000			8000			9000			10000			12000			13500			15000			16500			18000			22000			25000			28000			33000	40000	50000	68000	72000	90000																				
Mould Opening Stroke	mm	1335 / 770			1450 / 880			1500 / 950			1600 / 1000			1700 / 1150			1800 / 1200			2000 / 1400			2250 / 1550			2400 / 1700			2500 / 1700			2500 / 1700			2800 / 1900			2800 / 1900			3100 / 2100			3160 / 2260	3370/2260	3600/2500	3800/2700	5600 / 3200	5400 / 3600																				
Platen Size,HxV	mm×mm	1210x1180			1310x1310			1500x1350			1550x1450			1670×1540			1740×1515			1920x1820			1990×1890			2120×2120			2215x2115			2400x2240			2620×2370			2740x2540			2840x2640			3060×2800	3440×3040	3700×3280	3800×3680	4600x3990	4880 x 2880																				
Space Between Tine Bars,HxV	mm×mm	860x830			910x910			1060x910			1110x1010			1180×1050			1250×1025			1300x1200			1420×1300			1480×1480			1580x1480			1650x1550			1850×1600			1950x1750			2000x1800			2160×1900	2420×2020	2560×2160	2600×2450	3300x2650	3420 x 2820																				
Daylight Max.	mm	1600			1750			1900			2000			2200			2300			2600			2900			3100			3200			3200			3600			3600			4000			4160	4370	4800	5000	6800	7100																				
Mold Thickness (min-max.)	mm	265-830			300-870			400-950			400-1000			500-1050			500-1100			600-1200			650-1350			700-1400			700-1500			700-1500			800-1700			800-1700			900-1900			1000-2000	1000-2110	1200-2300	1200-2300	1200-3600	1700-3500																				
Ejector Stroke	mm	250			280			300			300			350			350			380			380			380			380			380			450			450			550			550	550	800	800	800	1000																				
Ejector Force	KN	110			135			210			210			210			210			300			300			300			300			300			390			390			550			550	550	1200	1200	1200	1000																				
Ejector Pin	unit	4+8+4+1			8+8+4+1			8+8+4+1			8+8+4+1			8+8+1			8+8+1			8+8+8+1			8+8+8+1			8+8+8+1			8+8+8+1			8+8+8+1			8+8+8+1			8+8+8+8+1			8+8+8+8+1	8+8+8+8+1	8+8+8+4+1	8+8+8+4+1	8+8+8+8+1	8+8+8+1																							
Power Unit																																																																					
System pressure	Mpa	17.5			17.5			17.5			17.5			17.5			17.5			17.5			17.5			17.5			17.5			17.5			17.5			17.5			17.5			17.5			17.5			17.5																			
Pump Motor	KW	75(45+30)			85(55+30)			95(65+30)			95(65+30)			110(65+45)			110(65+45)			150(65+55+30)			157(65+55+37)			157(65+55+37)			185(65x2+55)			185(65x2+55)			195(65+65+65)			195(65+65+65)			218(98+65+55)			251(98x2+55)	349(98x3+55)	392(98x4)	550(55x10)	550(55x10)	550(55x10)																				
Heating Capacity	kw	25			32			41			41			47			47			68			79			79			81			81			97			97			176			186	269	288	328	328	358																				
NO.of Heater Zones	unit	6			6			8			8			8			8			8			9			9			9			9			9			9			15			15	15	15	15	15	15																				
General Unit																																																																					
Oil Tank Capacity	L	520			600			730			730			960			960			1250			1250			1250			1550			1550			1750			1750			2880			2880	4400	5000	5000	5000	5000	5000																			
Machine Dimensions (LxWxH)	m×m×m	7.2x2.35x2.25			7.6x2.38x2.3			8.6x2.87x2.4			8.6x2.87x2.4			9.4x3.2x3.1			9.4x3.2x3.1			10.94x3.32x3.6			11.2x3.5x3.6			11.39x3.5x3.6			12.35x3.74x3.6			12.35x3.8x3.6			14.5x4.43x3.85			14.6x4.43x3.95			16.35x4.78x3.95			17.5x4.72x4.1	20.1x5.1x4.5	23.5x5.5x5.1	25x7.3x6.8	27x7.5x6.5	28.2x9.5x6.5																				
Machine Weight	KG	17000			20000			26000			28000			37000			38000			48000			56000			61000			70000			81000			108000			118000			142000			166000	240000	345000	450000	500000	610000																				

Description



MOLDEL	UNIT	BU500-V												BU600-V												BU700-V												BU800-V																											
INTERNATIONAL CLASS NUMBER		1367				2239				3266 (Standard)				4155				2239				3266				4155 (Standard)				5700				3266				4155				5700 (Standard)				7400																			
Injection Unit																																																																	
Screw Diameter	mm	50	60	70	60	70	80	70	80	90	80	85	95	60	70	80	70	80	90	80	85	95		90	100	105	70	80	90	80	85	95	90	100	105	100	105	115	70	80	90	80	85	95	90	100	105	100	105	115															
Shot Volume	cm3	589	848	1155	990	1347	1759	1539	2011	2545	2262	2554	3190	990	1347	1759	1539	2011	2545	2262	2554	3190		3181	3927	4330	1539	2011	2545	2262	2554	3190	3181	3927	4330	4123	4546	5453	1539	2011	2545	2262	2554	3190	3181	3927	4330	4123	4546	5453															
Shot Weight(PS)	g	536	772	1051	901	1226	1601	1401	1830	2316	2058	2324	2903	901	1226	1601	1401	1830	2316	2058	2324	2903		2895	3574	3940	1401	1830	2316	2058	2324	2903	2895	3574	3940	3752	4137	4962	1401	1830	2316	2058	2324	2903	2895	3574	3940	3752	4137	4962															
Shot Weight(PS)	OZ	19	27	37	32	43	56	49	65	82	73	82	102	32	43	56	49	65	82	73	82	102		102	126	139	49	65	82	73	82	102	102	126	139	132	146	175	49	65	82	73	82	102	102	126	139	132	146	175															
Injection Pressure	Mpa	232	161	118	226	166	127	212	162	128	184	163	130	226	166	127	212	162	128	184	163	130		181	147	133	212	162	128	184	163	130	181	147	133	180	163	136	212	162	128	184	163	130	181	147	133	180	163	136															
Screw L/D Ratio	L/d	25	21	18	24.5	21	18.5	24	21	19	22.3	21	19	24.5	21	18.5	24	21	19	22.3	21	19		25	22.5	21	24	21	19	22.3	21	19	25	22.5	21	24	23	21	24	21	19	22.3	21	19	25	22.5	21	24	23	21															
Injection Stroke	mm	300				350				400				450				350				400				450				500				400				450				500				525				400				450				500				525			
Screw Rotary Speed Max	rpm	250				210				170				168				210				170				168				134				170				168				134				115				199				168				134				115			
Nozzle Contact Force	KN	40				70				80				80				70				80				80				200				80				80				200				200				80				80				200				200			
Nozzle Stroke	mm	500				620				620				620				620				620				620				675				620				620				675				770				620				620				675				770			
Injection Unit																																																																	
Clamping Force	KN	5000												6000												7000												8000																											
Mould Opening Stroke	mm	1335/770												1450 / 880												1500 / 950												1600 / 1000																											
Platen Size,HxV	mmxmm	1210x1180												1310x1310												1500x1350												1550x1450																											
SpaceBetweenTineBars,HxV	mmxmm	860x830												910x910												1060x910												1110x1010																											
Daylight Max.	mm	1600												1750												1900												2000																											
Mold Thickness(min-max.)	mm	265-830												300-870												400-950												400-1000																											
Ejector Stroke	mm	250												280												300												300																											
Ejector Force	KN	110												135												210												210																											
Ejector Pin	unit	4+8+4+1												8+8+4+1												8+8+4+1												8+8+4+1																											
Power Unit																																																																	
System pressure	Mpa	17.5				17.5				17.5				17.5				17.5				17.5				17.5				17.5				17.5				17.5				17.5				17.5				17.5				17.5											
Pump Motor	kW	67 (37+30)				67 (37+30)				75 (45+30)				85 (55+30)				67 (37+30)				75 (45+30)				85 (55+30)				95 (65+30)				75 (45+30)				85 (55+30)				95 (65+30)				110 (65+45)				75 (45+30)				85 (55+30)				95 (65+30)				110 (65+45)			
Heating Capacity	kw	16.2				18.5				25				32				18.5				25				32				41				25				32				41				47				25				32				41				47			
NO.of Heater Zones	unit	6				6				6				6				6				6				6				8				6				6				8				8				6				6				8				8			
General Unit																																																																	
Oil Tank Capacity	L	520				520				520				600				520				520				600				730				520				600				730				960				520				600				730				960			
Machine Dimensions(LxWxH)	mxmxm	7.2x2.35x2.1				7.5x2.35x2.1				7.2x2.35x2.25				7.3x2.35x2.3				7.5x2.38x2.2				7.5x2.38x2.2				7.6x2.38x2.3				8.26x2.38x2.4				7.85x2.87x2.4				7.94x2.87x2.4				8.6x2.87x2.4				8.97x2.87x2.4				7.85x2.87x2.4				7.94x2.87x2.4				8.6x2.87x2.4				8.97x2.87x2.4			
Machine Weight	KG	16000				16500				17000				17500				19000				20000				20000				22000				24000				24000				26000				28000				26000				26000				28000				30000			

Description



MOLDEL	UNIT	BU900-V												BU1000-V												BU1200-V												BU1350-V												
INTERNATIONAL CLASS NUMBER		4155			5700			7400 (Standard)			11500			4155			5700			7400 (Standard)			11500			5700			7400			11500 (Standard)			13500			7400			11500			13500 (Standard)			17650			
Injection Unit																																																		
Screw Diameter	mm	80	85	95	90	100	105	100	105	115	105	115	130	80	85	95	90	100	105	100	105	115		105	115	130	90	100	105	100	105	115	105	115	130	115	130	140	100	105	115	105	115	130	115	130	140	130	140	150
Shot Volume	cm3	2262	2554	3190	3181	3927	4330	4123	4546	5453	5195	6232	7964	2262	2554	3190	3181	3927	4330	4123	4546	5453		5195	6232	7964	3181	3927	4330	4123	4546	5453	5195	6232	7964	6751	8628	10006	4123	4546	5453	5195	6232	7964	6751	8628	10006	9291	10776	12370
Shot Weight(PS)	g	2058	2324	2903	2895	3574	3940	3752	4137	4962	4728	5671	7247	2058	2324	2903	2895	3574	3940	3752	4137	4962		4728	5671	7247	2895	3574	3940	3752	4137	4962	4728	5671	7247	6144	7851	9105	3752	4137	4962	4728	5671	7247	6144	7851	9105	8455	9806	11257
Shot Weight(PS)	OZ	73	82	102	102	126	139	132	146	175	167	200	256	73	82	102	102	126	139	132	146	175		167	200	256	102	126	139	132	146	175	167	200	256	217	277	321	132	146	175	167	200	256	217	277	321	298	346	397
Injection Pressure	Mpa	184	163	130	181	147	133	180	163	136	221	184	144	184	163	130	181	147	133	180	163	136		221	184	144	181	147	133	180	163	136	221	184	144	200	157	135	180	163	136	221	184	144	200	157	135	191	164	143
Screw L/D Ratio	L/d	22.3	21	19	25	22.5	21	24	23	21	24	22	20	22.3	21	19	25	22.5	21	24	23	21		24	22	20	25	22.5	21	24	23	21	24	22	20	25	22	20.5	24	23	21	24	22	20	25	22	20.5	24	22	21
Injection Stroke	mm	450			500			525			600			450			500			525			600			500			525			600			650			525			600			650			700			
Screw Rotary Speed Max	rpm	168			134			115			110			168			134			115			110			134			115			110			105			115			110			105			102			
Nozzle Contact Force	KN	80			200			200			200			80			200			200			200			200			200			200			200			200			200			200			200			
Nozzle Stroke	mm	620			675			770			850			620			675			770			850			675			675			850			900			675			850			900			965			
Injection Unit																																																		
Clamping Force	KN	9000												10000												12000												13500												
Mould Opening Stroke	mm	1700 / 1150												1800 / 1200												2000 / 1400												2250 / 1550												
Platen Size,HxV	mmxmm	1670×1540												1740×1515												1920x1820												1990×1890												
SpaceBetweenTineBars,HxV	mmxmm	1180×1050												1250×1025												1300x1200												1420×1300												
Daylight Max.	mm	2200												2300												2600												2900												
Mold Thickness(min-max.)	mm	500-1050												500-1100												600-1200												650-1350												
Ejector Stroke	mm	350												350												380												380												
Ejector Force	KN	210												210												300												300												
Ejector Pin	unit	8+8+1												8+8+1												8+8+8+1												8+8+8+1												
Power Unit																																																		
System pressure	Mpa	17.5			17.5			17.5			17.5			17.5			17.5			17.5			17.5			17.5			17.5			17.5			17.5			17.5			17.5			17.5						
Pump Motor	kW	85(55+30)			95(65+30)			110(65+45)			150(65+55+30)			85(55+30)			95(65+30)			110(65+45)			150(65+55+30)			95(65+30)			110(65+45)			150(65+55+30)			157(65+55+37)			110(65+45)			150(65+55+30)			157(65+55+37)			185(65x2+55)			
Heating Capacity	kw	32			41			47			68			32			41			47			68			41			49			68			79			47			68			79			79			
NO.of Heater Zones	unit	6			8			8			8			6			8			8			8			8			8			8			9			8			8			9			9			
General Unit																																																		
Oil Tank Capacity	L	600			730			960			1250			600			730			960			1250			730			960			1250			1250			960			1250			1250			1550			
Machine Dimensions(LxWxH)	mmxmm	8.35x3.2x3.1			9.01x3.2x3.1			9.4x3.2x3.1			10.22x3.2x3.1			8.35x3.2x3.1			9.01x3.2x3.1			9.4x3.2x3.1			10.22x3.2x3.1			9.74x3.32x3.6			10.11x3.32x3.6			10.94x3.32x3.6			10.97x3.32x3.6			10.27x3.5x3.6			11.1x3.5x3.6			11.2x3.5x3.6			11.91x3.5x3.6			
Machine Weight	KG	33000			35000			37000			39000			34000			36000			38000			40000			44000			46000			48000			50000			52000			54000			56000			58000			

Description



MOLDEL	UNIT	BU1500-V												BU1650-V								BU1800-V								BU2200-V																							
INTERNATIONAL CLASS NUMBER		7400			11500			13500 (Standard)			17650			11500			13500			17650 (Standard)			29500			11500			13500			17650			29500 (Standard)			40700															
Injection Unit																																																					
Screw Diameter	mm	100	105	115	105	115	130	115	130	140	130	140	150	105	115	130	115	130	140	130	140	150	160		170	105	115	130	115	130	140	130	140	150	150	160	170	165	185	205													
Shot Volume	cm3	4123	4546	5453	5195	6232	7964	6751	8628	10006	9291	10776	12370	5195	6232	7964	6751	8628	10006	9291	10776	12370	16611	18900		21336	5195	6232	7964	6751	8628	10006	9291	10776	12370	16611	18900	21336	19779	24864	30531												
Shot Weight(PS)	g	3752	4137	4962	4728	5671	7247	6144	7851	9105	8455	9806	11257	4728	5671	7247	6144	7851	9105	8455	9806	11257	15116	17199		19416	4728	5671	7247	6144	7851	9105	8455	9806	11257	15116	17199	19416	17999	22626	27783												
Shot Weight(PS)	OZ	132	146	175	167	200	256	217	277	321	298	346	397	167	200	256	217	277	321	298	346	397	533	607		685	167	200	256	217	277	321	298	346	397	533	607	685	635	798	980												
Injection Pressure	Mpa	180	163	136	221	184	144	200	157	135	191	164	143	221	184	144	200	157	135	191	164	143	178	156		139	221	184	144	200	157	135	191	164	143	178	156	139	207	165	134												
Screw L/D Ratio	L/d	24	23	21	24	22	20	25	22	20.5	24	22	21	24	22	20	25	22	20.5	24	22	21	23	22		20	24	22	20	25	22	20.5	24	22	21	23	22.6	20	24	22	20	25	22	20.5	24	22	21	23	21.6	20	26	23	21
Injection Stroke	mm	525			600			650			700			600			650			700			940			600			650			700			940			600			650			700			940			925			
Screw Rotary Speed Max	rpm	115			110			105			102			110			105			102			82			110			102			102			85			110			120			102			85			72			
Nozzle Contact Force	KN	200			200			200			200			200			200			200			290			200			200			200			290			200			200			200			290			290			
Nozzle Stroke	mm	675			850			900			965			850			900			965			1110			850			900			965			1110			900			900			965			1110			1110			
Injection Unit																																																					
Clamping Force	KN	15000												16500								18000								22000																							
Mould Opening Stroke	mm	2400 / 1700												2500 / 1700								2500 / 1700								2800 / 1900																							
Platen Size,HxV	mmxmm	2120×2120												2215x2115								2400x2240								2620×2370																							
SpaceBetweenTineBars,HxV	mmxmm	1480×1480												1580x1480								1650x1550								1850×1600																							
Daylight Max.	mm	3100												3200								3200								3600																							
Mold Thickness(min-max.)	mm	700-1400												700-1500								700-1500								800-1700																							
Ejector Stroke	mm	380												380								380								450																							
Ejector Force	KN	300												300								300								390																							
Ejector Pin	unit	8+8+8+1												8+8+8+1								8+8+8+1								8+8+8+1																							
Power Unit																																																					
System pressure	Mpa	17.5			17.5			17.5			17.5			17.5			17.5			17.5			17.5			17.5			17.5			17.5			17.5			17.5			17.5												
Pump Motor	kW	110(65+45)			150(65+55+37)			157(65+55+37)			185(65x2+55)			150(65+55+30)			157(65+55+37)			185(65x2+55)			195(65+65+65)			150(65+55+30)			157(65+55+37)			185(65+65+55)			195(65+65+65)			218(98+65+55)															
Heating Capacity	kw	47			68			79			81			68			79			81			97			68			79			81			97			68			79			81			97			176			
NO.of Heater Zones	unit	8			8			9			9			8			9			9			9			8			9			9			9			9			9			15									
General Unit																																																					
Oil Tank Capacity	L	960			1250			1250			1550			1250			1250			1550			1750			1250			1250			1550			1750			1250			1250			1550			1750			2880			
Machine Dimensions(LxWxH)	mxmxm	10.41x3.5x3.6			11.24x3.5x3.6			11.39x3.5x3.6			11.97x3.5x3.6			11.62x3.74x3.6			11.66x3.74x3.6			12.35x3.74x3.6			13.71x3.74x3.6			11.62x3.8x3.6			11.66x3.8x3.6			12.35x3.8x3.6			13.71x3.8x3.6			12.38x4.43x3.85			12.42x4.3x3.8			13.11x4.43x3.85			14.5x4.43x3.85			15.5x4.43x3.85			
Machine Weight	KG	57000			59000			61000			63000			66000			68000			70000			78000			77000			79000			81000			89000			96000			98000			100000			108000			116000			

Description

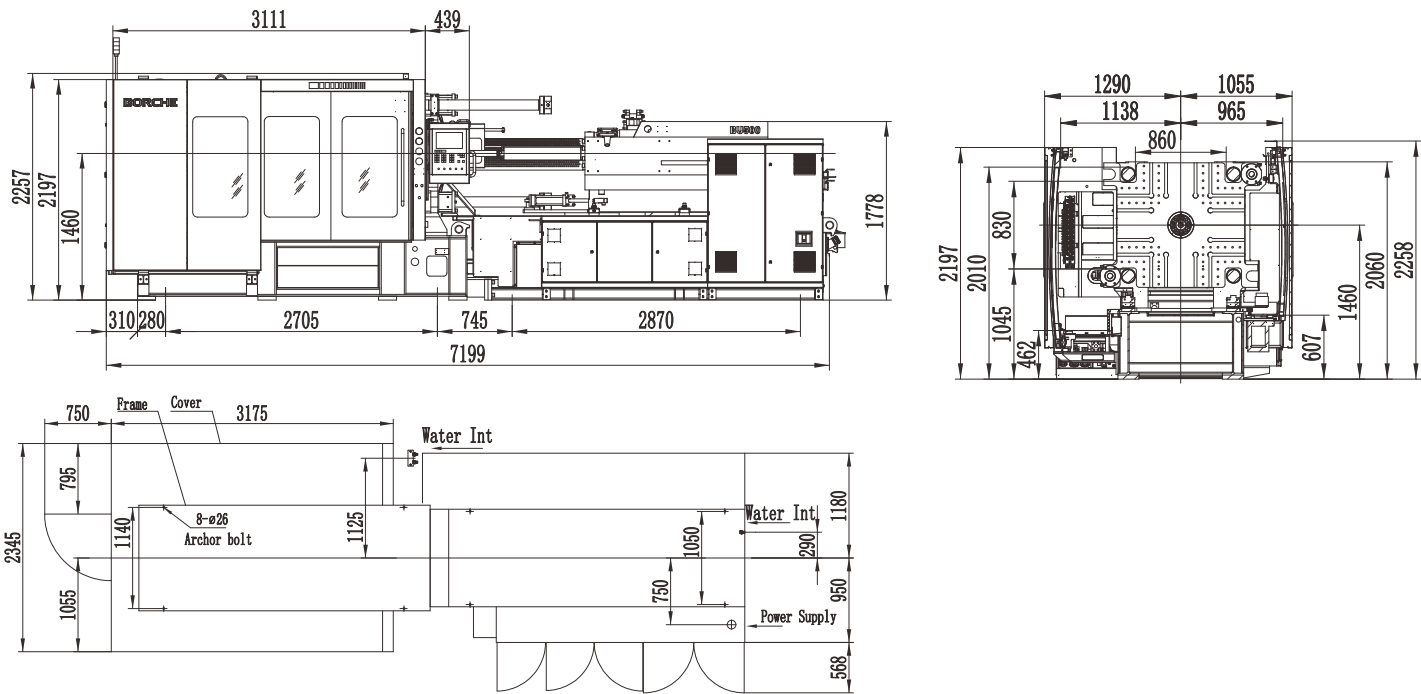


MOLDEL	UNIT	BU2500-V										BU2800-V										BU3300-V										BU4000-V	BU5000-V	BU6800-V		BU7200-V		BU9000-V						
INTERNATIONAL CLASS NUMBER		17650		29500		40700 (Standard)		17650		29500		40700		51400		64000		17650 (Standard)		29500		40700		51400		64000		89700	120580	165400		212100		212100										
Injection Unit																																												
Screw Diameter	mm	130	140	150	150	160	170	165	185	205	130	140	150	150	160	170	165	185	205	205		215		130	140	150	150	160	170	165	185	205	205		215		240	270		285	300	285	300	300
Shot Volume	cm3	9291	10776	12370	16611	18900	21336	19779	24864	30531	9291	10776	12370	16611	18900	21336	19779	24864	30531	38287		45744		9291	10776	12370	16611	18900	21336	19779	24864	30531	38287		45744		56773	77295		99519	110270	127588	141372	141372
Shot Weight(PS)	g	8455	9806	11257	15116	17199	19416	17999	22626	27783	8455	9806	11257	15116	17199	19416	17999	22626	27783	34842		41627		8455	9806	11257	15116	17199	19416	17999	22626	27783	34842		41627		51663	70338		90562	100346	116105	128648	128649
Shot Weight(PS)	OZ	298	346	397	533	607	685	635	798	980	298	346	397	533	607	685	635	798	980	1229		1468		298	346	397	533	607	685	635	798	980	1229		1468		1822	2481		3194	3540	4095	4538	4538
Injection Pressure	Mpa	191	164	143	178	156	139	207	165	134	191	164	143	178	156	139	207	165	134	134		140		191	164	143	178	156	139	207	165	134	134		140		158	158		166	150	166	150	150
Screw L/D Ratio	L/d	24	22	21	23	21.6	20	26	23	21	24	22	21	23	21.6	20	26	23	21	21		21		24	22	21	23	21.6	20	26	23	21	21		21		22	22		23	22	23	22	24
Injection Stroke	mm	700		940		925		700		940		925		1160		1260		700		940		925		1160		1260		1255		1350		1560		2000		2000								
Screw Rotary Speed Max	rpm	110		85		72		114		85		72		72		60		114		85		72		72		60		40		50		30		30		30								
Nozzle Contact Force	KN	200		290		290		200		290		290		290		290		200		290		290		290		290		480		480		640		640		640								
Nozzle Stroke	mm	965		1110		1110		965		1100		1110		1110		1110		965		1100		1110		1110		1110		1200		1200		1400		1400		1800								
Injection Unit																																												
Clamping Force	KN	25000										28000										33000										40000	50000	68000		72000		90000						
Mould Opening Stroke	mm	2800 / 1900										3100 / 2100										3160 / 2260										3370/2260	3600/2500	3800/2700		5600 / 3200		5400 / 3600						
Platen Size,HxV	mmxmm	2740x2540										2840x2640										3060×2800										3440×3040	3700×3280	3800×3680		4600x3990		4880x2880						
SpaceBetweenTineBars,HxV	mmxmm	1950x1750										2000x1800										2160×1900										2420×2020	2560×2160	2600×2450		3300x2650		3420x2820						
Daylight Max.	mm	3600										4000										4160										4370	4800	5000		6800		7100						
Mold Thickness(min-max.)	mm	800-1700										900-1900										1000-2000										1000-2110	1200-2300	1200-2300		1200-3600		1700-3500						
Ejector Stroke	mm	450										550										550										550	800	800		800		1000						
Ejector Force	KN	390										550										550										550	1200	1200		1200		1000						
Ejector Pin	unit	8+8+8+1										8+8+8+8+1										8+8+8+8+1										8+8+8+8+1	8+8+8+4+1	8+8+8+4+1		8+8+8+8+1		8+8+8+8+1						
Power Unit																																												
System pressure	Mpa	17.5		17.5		17.5		17.5		17.5		17.5		17.5		17.5		17.5		17.5		17.5		17.5		17.5		17.5		17.5		17.5		17.5		17.5		17.5						
Pump Motor	kW	185(65+65+55)		195(65+65+65)		218(98+65+55)		185(65+65+55)		195(65+65+55)		218(98+65+55)		228(65+65+98)		251(98+98+55)		185(65+65+55)		195(65+65+65)		218(98+68+55)		228(65+65+98)		251(98+98+55)		349(98x3+55)		392(98x4)		550(55x10)		550(55x10)		550(55x10)								
Heating Capacity	kw	81		97		176		81		97		176		176		186		81		97		176		176		186		269		288		328		328		358								
NO.of Heater Zones	unit	9		9		15		9		9		15		15		15		9		9		15		15		15		15		15		15		15		15								
General Unit																																												
Oil Tank Capacity	L	1550		1750		2880		1550		1750		2880		2880		2880		1550		1750		2880		2880		2880		4400		5000		5000		5000		5000								
Machine Dimensions(LxWxH)	mmxmm	13.22x4.43x3.95	14.6x4.43x3.95	15.6x4.43x3.95	14.0x4.78x3.95	15.35x4.43x3.95	16.35x4.78x3.95	16.35x4.43x3.9	17.2x4.43x3.95	14.29x4.72x4.1		15.65x4.72x4.1		16.65x4.72x4.1		16.65x4.72x4.1		17.5x4.72x4.1		20.1x5.1x4.5		23.5x5.5x5.1		25x7.3x6.8		27x7.5x6.5		28.2x9.5x6.5																
Machine Weight	KG	110000		118000		126000		126000		134000		142000		142000		146000		146000		154000		162000		162000		166000		240000		345000		450000		500000		610000								

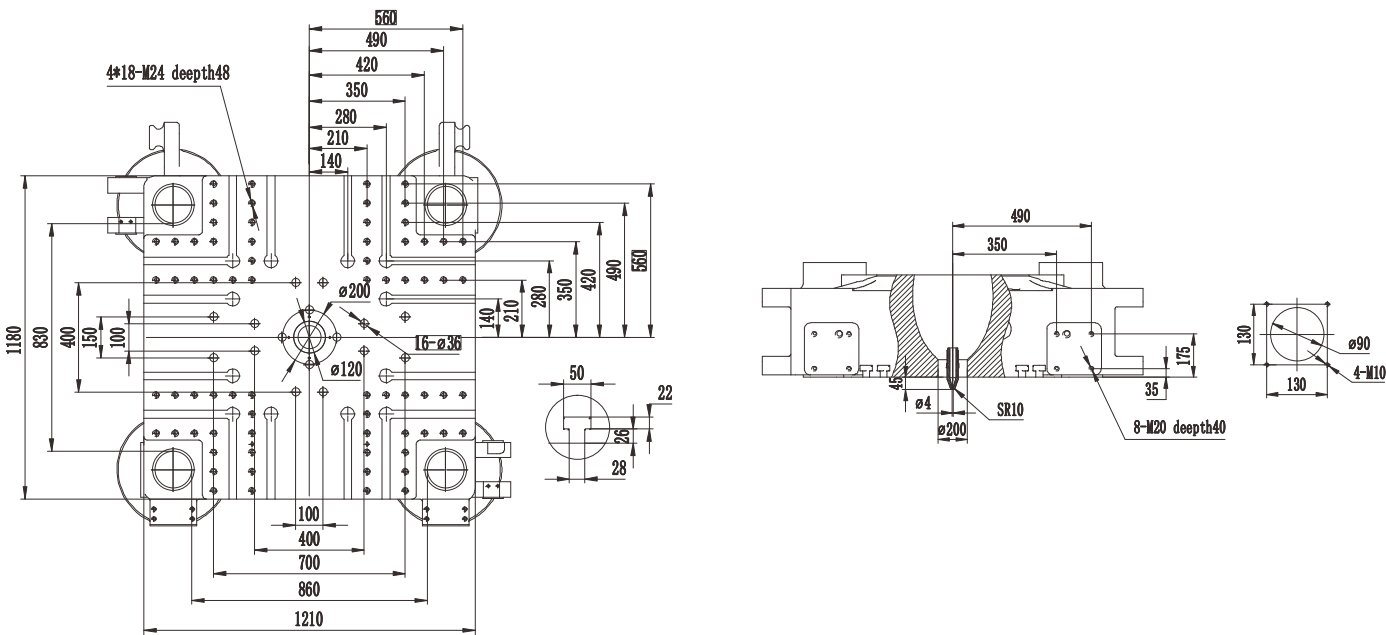
DESCRIPTION

MOLDEL	UNIT	BU500-V											
INTERNATIONAL CLASS NUMBER		1367			2239			3266			4155		
Injection Unit													
Screw Diameter	mm	50	60	70	60	70	80	70	80	90	80	85	95
Shot Volume	cm3	589	848	1155	990	1347	1759	1539	2011	2545	2262	2554	3190
Shot Weight(PS)	g	536	772	1051	901	1226	1601	1401	1830	2316	2058	2324	2903
Shot Weight(PS)	OZ	19	27	37	32	43	56	49	65	82	73	82	102
Injection Pressure	Mpa	232	161	118	226	166	127	212	162	128	184	163	130
Screw L/D Ratio	L/d	25	21	18	24.5	21	18.5	24	21	19	22.3	21	19
Injection Stroke	mm	300			350			400			450		
Screw Rotary Speed Max	rpm	250			210			170			168		
Nozzle Contact Force	KN	40			70			80			80		
Nozzle Stroke	mm	500			620			620			620		
Injection Unit													
Clamping Force	KN	5000											
Mould Opening Stroke	mm	1335/770											
Platen Size,HxV	mmxmm	1210x1180											
SpaceBetweenTineBars,HxV	mmxmm	860x830											
Daylight Max.	mm	1600											
Mold Thickness(min-max.)	mm	265-830											
Ejector Stroke	mm	250											
Ejector Force	KN	110											
Ejector Pin	unit	4+8+4+1											
Power Unit													
System pressure	Mpa	17.5			17.5			17.5			17.5		
Pump Motor	kW	67(37+30)			67(37+30)			75(45+30)			85(55+30)		
Heating Capacity	kw	16.2			18.5			25			32		
NO.of Heater Zones	unit	6			6			6			6		
General Unit													
Oil Tank Capacity	L	520			520			520			600		
Machine Dimensions(LxWxH)	mxmxm	7.2x2.35x2.1			7.2x2.35x2.1			7.2x2.35x2.25			7.3x2.35x2.3		
Machine Weight	KG	16000			16500			17000			17500		

Appearance and Installation Dimensions



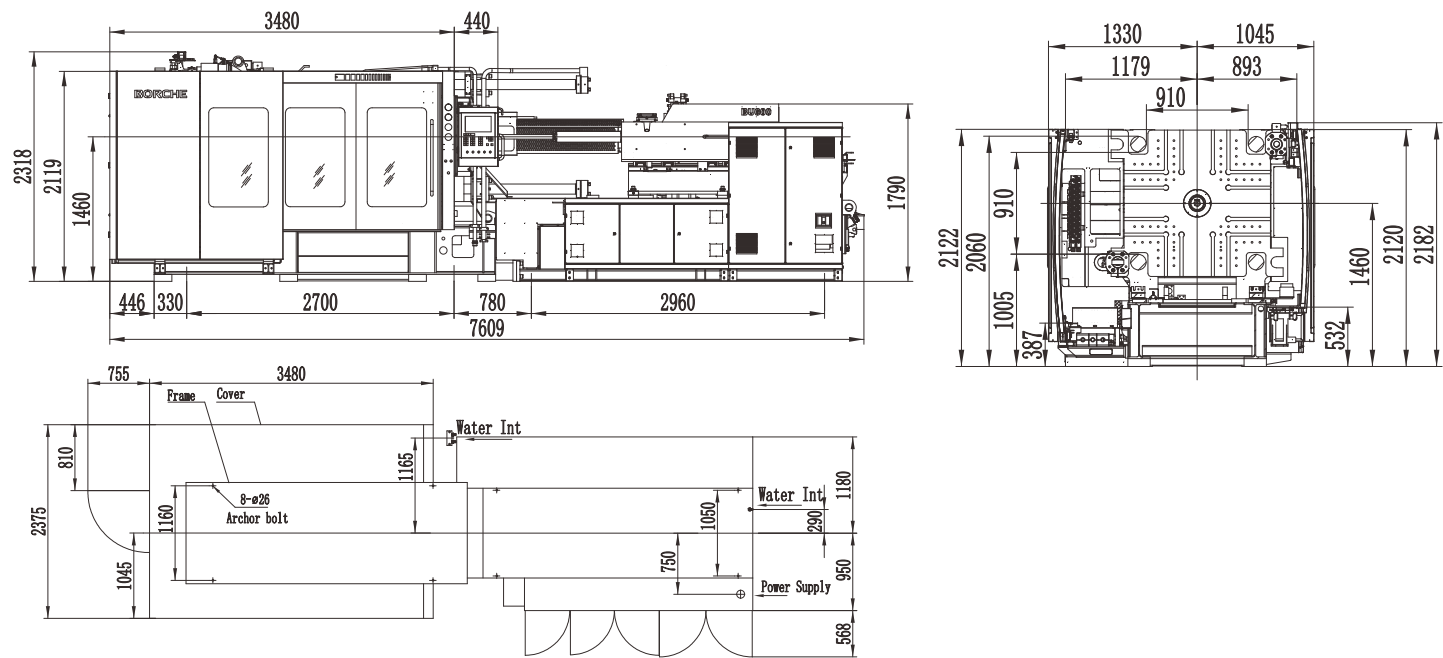
Mold Platen Drawing



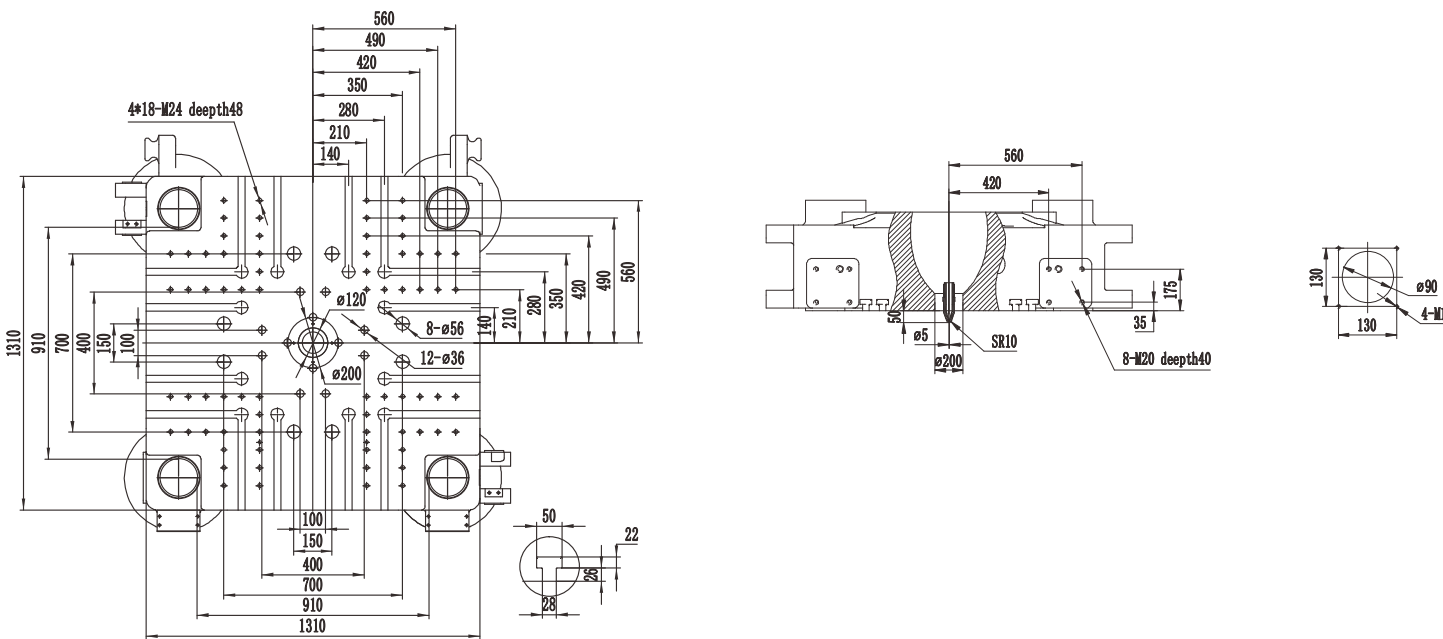
DESCRIPTION

MOLDEL	UNIT	BU600-V											
INTERNATIONAL CLASS NUMBER		2239			3266			4155			5700		
Injection Unit													
Screw Diameter	mm	60	70	80	70	80	90	80	85	95	90	100	105
Shot Volume	cm3	990	1347	1759	1539	2011	2545	2262	2554	3190	3181	3927	4330
Shot Weight(PS)	g	901	1226	1601	1401	1830	2316	2058	2324	2903	2895	3574	3940
Shot Weight(PS)	OZ	32	43	56	49	65	82	73	82	102	102	126	139
Injection Pressure	Mpa	226	166	127	212	162	128	184	163	130	181	147	133
Screw L/D Ratio	L/d	24.5	21	18.5	24	21	19	22.3	21	19	25	22.5	21
Injection Stroke	mm	350			400			450			500		
Screw Rotary Speed Max	rpm	210			170			168			134		
Nozzle Contact Force	KN	70			80			80			200		
Nozzle Stroke	mm	620			620			620			675		
Injection Unit													
Clamping Force	KN	6000											
Mould Opening Stroke	mm	1450 / 880											
Platen Size,HxV	mmxmm	1310x1310											
SpaceBetweenTineBars,HxV	mmxmm	910x910											
Daylight Max.	mm	1750											
Mold Thickness(min-max.)	mm	300-870											
Ejector Stroke	mm	280											
Ejector Force	KN	135											
Ejector Pin	unit	8+8+4+1											
Power Unit													
System pressure	Mpa	17.5			17.5			17.5			17.5		
Pump Motor	kW	67(37+30)			75(45+30)			85(55+30)			95(65+30)		
Heating Capacity	kw	18.5			25			32			41		
NO.of Heater Zones	unit	6			6			6			8		
General Unit													
Oil Tank Capacity	L	520			520			600			730		
Machine Dimensions(LxWxH)	mxmxm	7.5x2.38x2.2			7.5x2.38x2.2			7.6x2.38x2.4			8.26x2.38x2.4		
Machine Weight	KG	19000			20000			20000			22000		

Appearance and Installation Dimensions



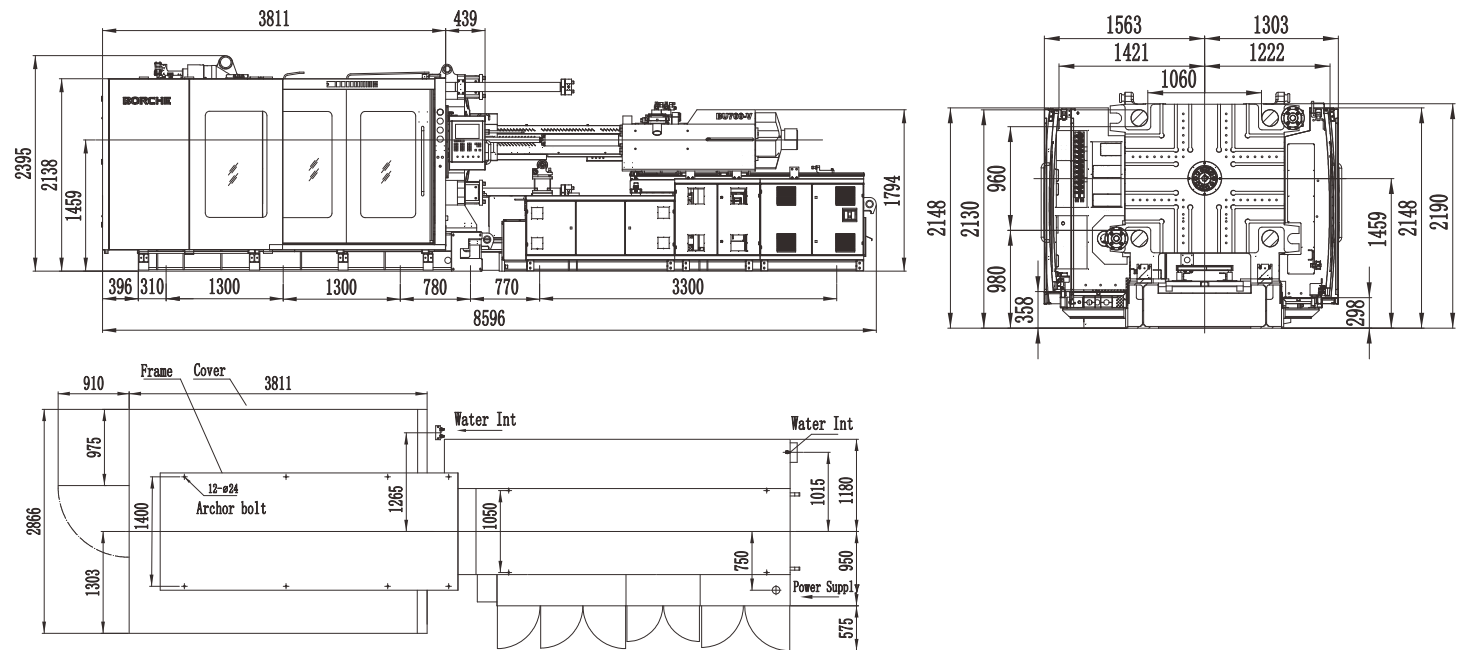
Mold Platen Drawing



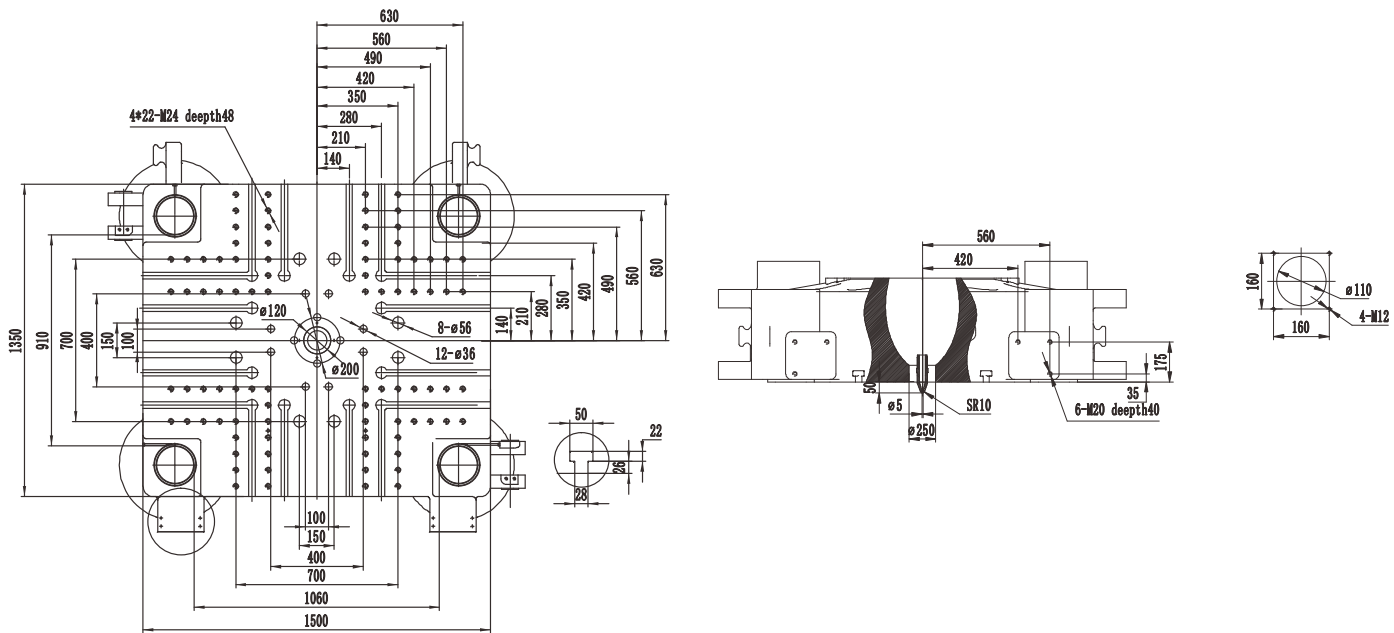
DESCRIPTION

MOLDEL	UNIT	BU700-V											
INTERNATIONAL CLASS NUMBER		3266			4155			5700			7400		
Injection Unit													
Screw Diameter	mm	70	80	90	80	85	95	90	100	105	100	105	115
Shot Volume	cm3	1539	2011	2545	2262	2554	3190	3181	3927	4330	4123	4546	5453
Shot Weight(PS)	g	1401	1830	2316	2058	2324	2903	2895	3574	3940	3752	4137	4962
Shot Weight(PS)	OZ	49	65	82	73	82	102	102	126	139	132	146	175
Injection Pressure	Mpa	212	162	128	184	163	130	181	147	133	180	163	136
Screw L/D Ratio	L/d	24	21	19	22.3	21	19	25	22.5	21	24	23	21
Injection Stroke	mm	400			450			500			525		
Screw Rotary Speed Max	rpm	170			168			134			115		
Nozzle Contact Force	KN	80			80			200			200		
Nozzle Stroke	mm	620			620			675			770		
Injection Unit													
Clamping Force	KN	7000											
Mould Opening Stroke	mm	1500 / 950											
Platen Size,HxV	mmxmm	1500x1350											
SpaceBetweenTineBars,HxV	mmxmm	1060x910											
Daylight Max.	mm	1900											
Mold Thickness(min-max.)	mm	400-950											
Ejector Stroke	mm	300											
Ejector Force	KN	210											
Ejector Pin	unit	8+8+4+1											
Power Unit													
System pressure	Mpa	17.5			17.5			17.5			17.5		
Pump Motor	kW	75 (45+30)			85 (55+30)			95 (65+30)			110 (65+45)		
Heating Capacity	kw	25			32			41			47		
NO.of Heater Zones	unit	6			6			8			8		
General Unit													
Oil Tank Capacity	L	520			600			730			960		
Machine Dimensions(LxWxH)	mxmxm	7.85x2.87x2.4			7.94x2.87x2.4			8.6x2.87x2.4			8.97x2.87x2.4		
Machine Weight	KG	24000			24000			26000			28000		

Appearance and Installation Dimensions



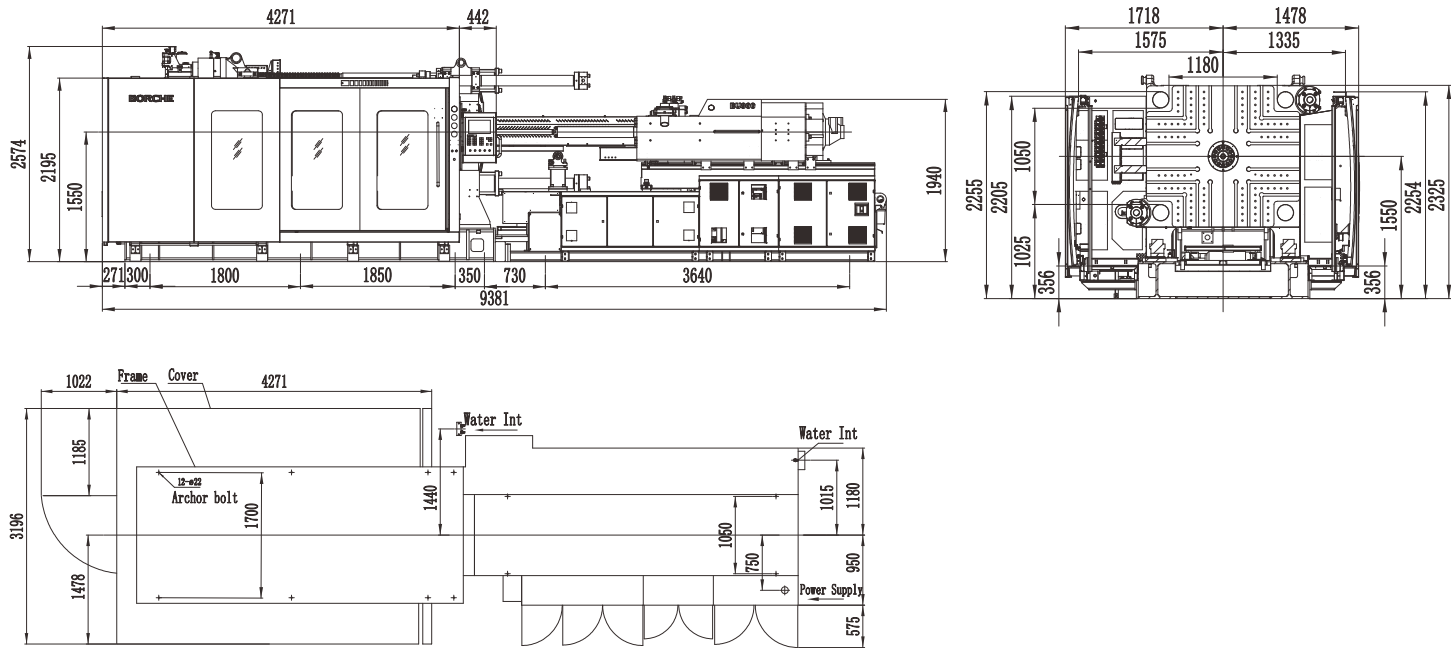
Mold Platen Drawing



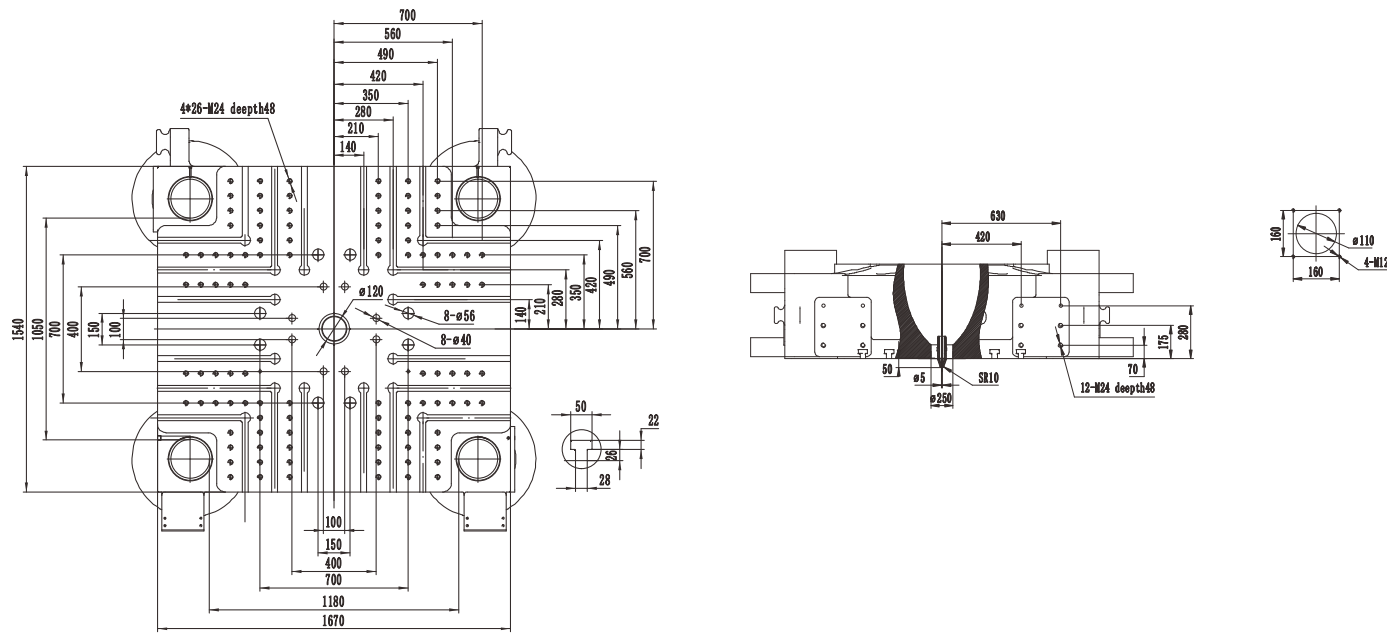
DESCRIPTION

MOLDEL	UNIT	BU900-V											
INTERNATIONAL CLASS NUMBER		4155			5700			7400			11500		
Injection Unit													
Screw Diameter	mm	80	85	95	90	100	105	100	105	115	105	115	130
Shot Volume	cm3	2262	2554	3190	3181	3927	4330	4123	4546	5453	5195	6232	7964
Shot Weight(PS)	g	2058	2324	2903	2895	3574	3940	3752	4137	4962	4728	5671	7247
Shot Weight(PS)	OZ	73	82	102	102	126	139	132	146	175	167	200	256
Injection Pressure	Mpa	184	163	130	181	147	133	180	163	136	221	184	144
Screw L/D Ratio	L/d	22.3	21	19	25	22.5	21	24	23	21	24	22	20
Injection Stroke	mm	450			500			525			600		
Screw Rotary Speed Max	rpm	168			134			115			110		
Nozzle Contact Force	KN	80			200			200			200		
Nozzle Stroke	mm	620			675			770			850		
Injection Unit													
Clamping Force	KN	9000											
Mould Opening Stroke	mm	1700 / 1150											
Platen Size,HxV	mmxmm	1670×1540											
SpaceBetweenTineBars,HxV	mmxmm	1180×1050											
Daylight Max.	mm	2200											
Mold Thickness(min-max.)	mm	500-1050											
Ejector Stroke	mm	350											
Ejector Force	KN	210											
Ejector Pin	unit	8+8+1											
Power Unit													
System pressure	Mpa	17.5			17.5			17.5			17.5		
Pump Motor	kW	85(55+30)			95(65+30)			110(65+45)			150(65+55+30)		
Heating Capacity	kw	32			41			47			68		
NO.of Heater Zones	unit	6			8			8			8		
General Unit													
Oil Tank Capacity	L	600			730			960			1250		
Machine Dimensions(LxWxH)	mxmxm	8.35x3.2x3.1			9.01x3.2x3.1			9.4x3.2x3.1			10.22x3.2x3.1		
Machine Weight	KG	33000			35000			37000			39000		

Appearance and Installation Dimensions



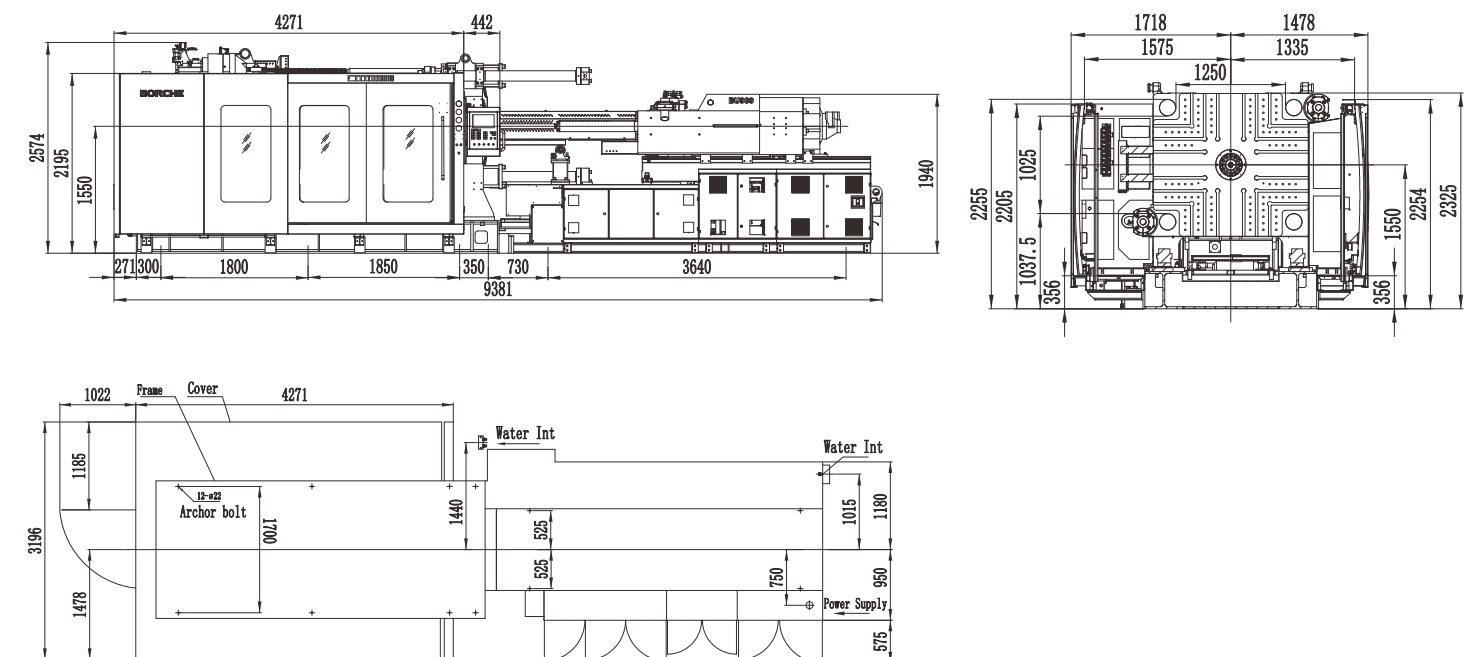
Mold Platen Drawing



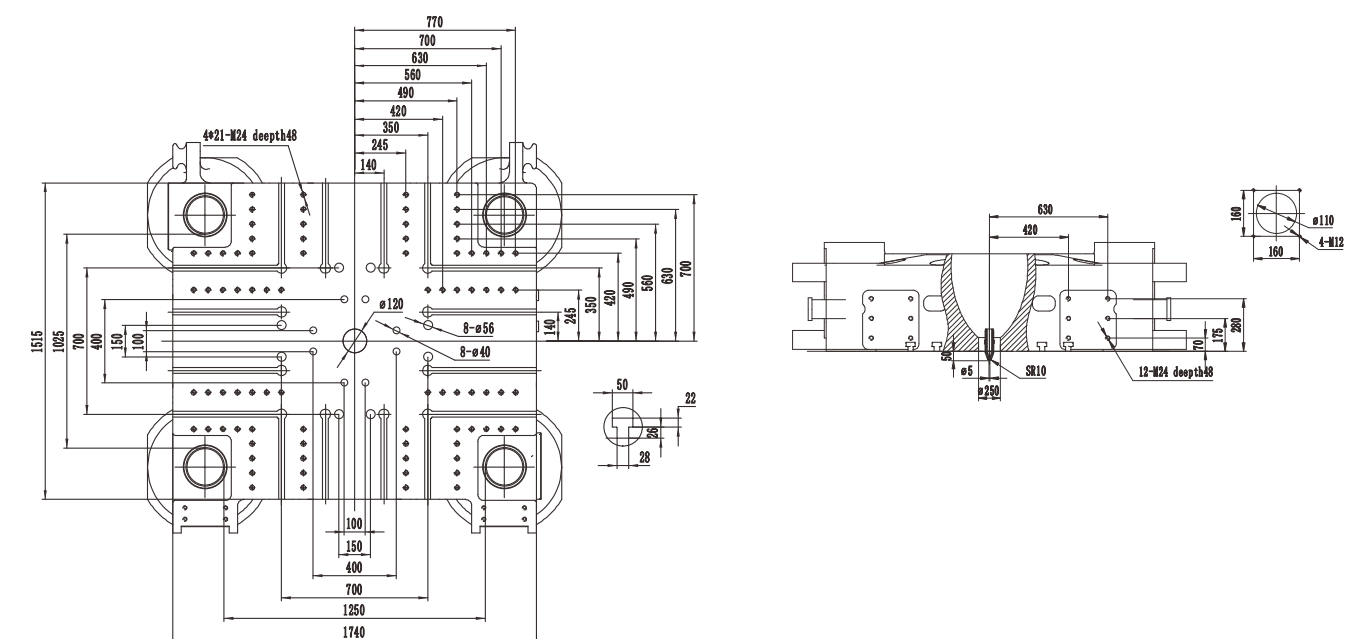
DESCRIPTION

MOLDEL	UNIT	BU1000-V											
INTERNATIONAL CLASS NUMBER		4155			5700			7400			11500		
Injection Unit													
Screw Diameter	mm	80	85	95	90	100	105	100	105	115	105	115	130
Shot Volume	cm3	2262	2554	3190	3181	3927	4330	4123	4546	5453	5195	6232	7964
Shot Weight(PS)	g	2058	2324	2903	2895	3574	3940	3752	4137	4962	4728	5671	7247
Shot Weight(PS)	OZ	73	82	102	102	126	139	132	146	175	167	200	256
Injection Pressure	Mpa	184	163	130	181	147	133	180	163	136	221	184	144
Screw L/D Ratio	L/d	22.3	21	19	25	22.5	21	24	23	21	24	22	20
Injection Stroke	mm	450			500			525			600		
Screw Rotary Speed Max	rpm	168			134			115			110		
Nozzle Contact Force	KN	80			200			200			200		
Nozzle Stroke	mm	620			675			770			850		
Injection Unit													
Clamping Force	KN	10000											
Mould Opening Stroke	mm	1800 / 1200											
Platen Size,HxV	mmxmm	1740×1515											
SpaceBetweenTineBars,HxV	mmxmm	1250×1025											
Daylight Max.	mm	2300											
Mold Thickness(min-max.)	mm	500-1100											
Ejector Stroke	mm	350											
Ejector Force	KN	210											
Ejector Pin	unit	8+8+1											
Power Unit													
System pressure	Mpa	17.5			17.5			17.5			17.5		
Pump Motor	kW	85(55+30)			95(65+30)			110(65+45)			150(65+55+30)		
Heating Capacity	kw	32			41			47			68		
NO.of Heater Zones	unit	6			8			8			8		
General Unit													
Oil Tank Capacity	L	600			730			960			1250		
Machine Dimensions(LxWxH)	mxmxm	8.35x3.2x3.1			9.01x3.2x3.1			9.4x3.2x3.1			10.22x3.2x3.1		
Machine Weight	KG	34000			36000			38000			40000		

Appearance and Installation Dimensions



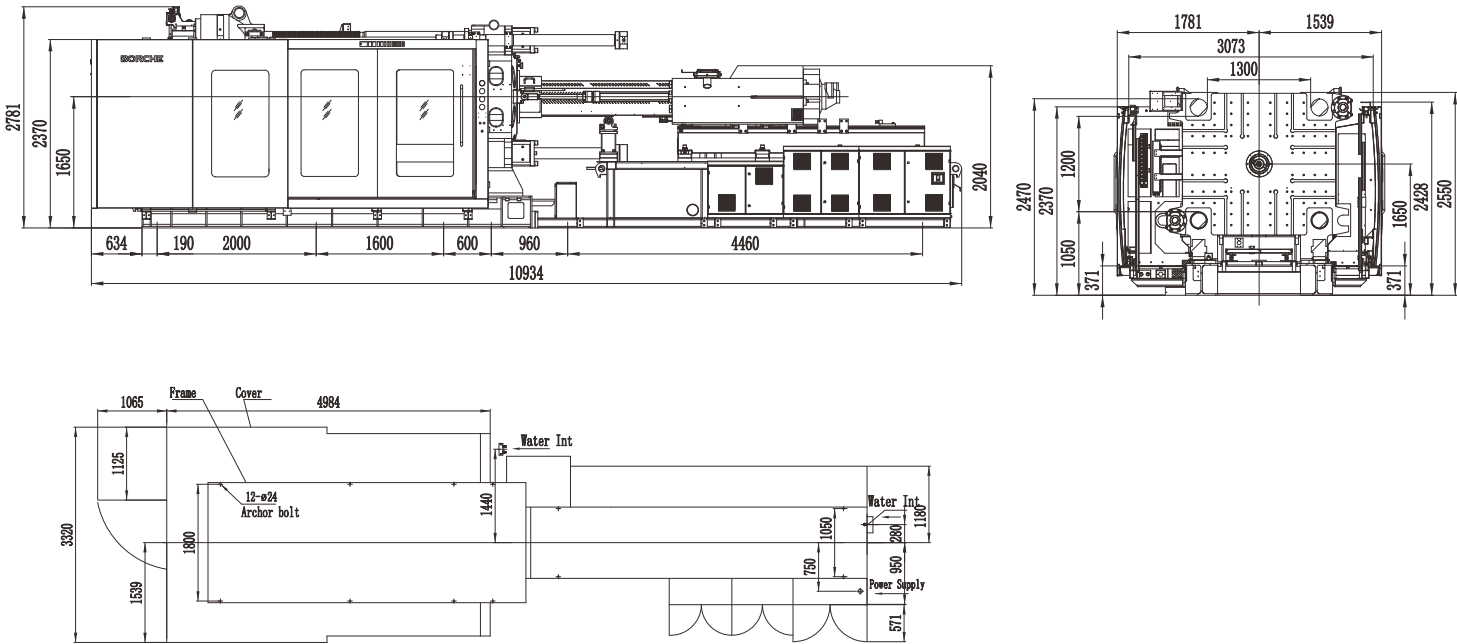
Mold Platen Drawing



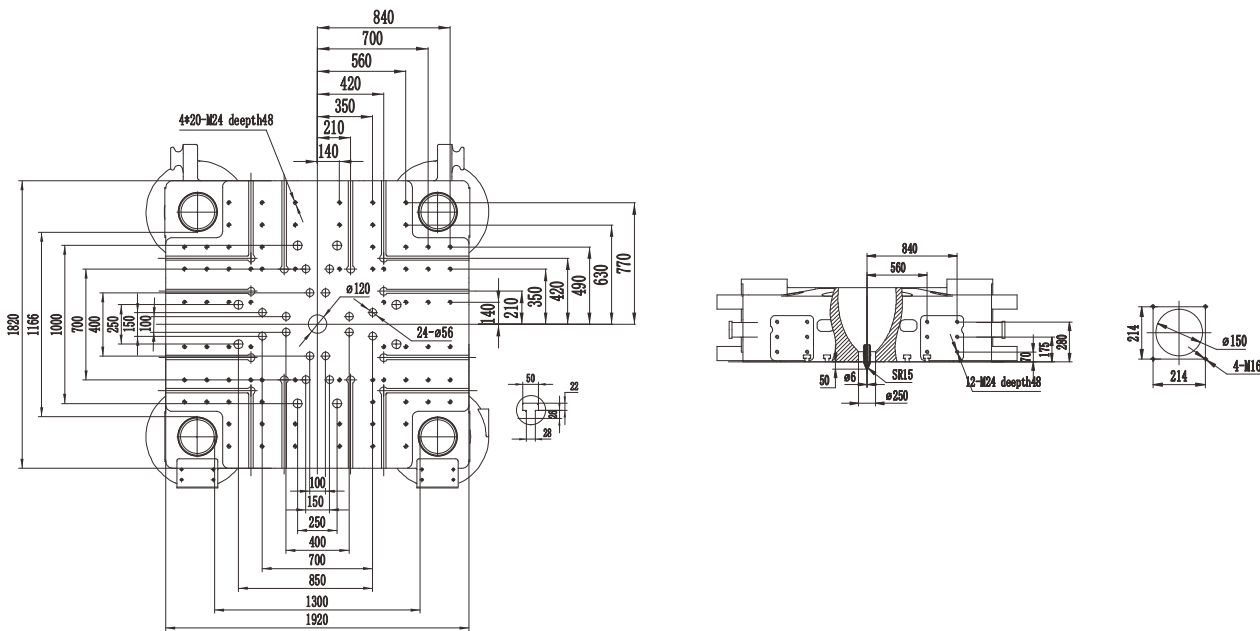
DESCRIPTION

MOLDEL	UNIT	BU1200-V											
INTERNATIONAL CLASS NUMBER		5700			7400			11500			13500		
Injection Unit													
Screw Diameter	mm	90	100	105	100	105	115	105	115	130	115	130	140
Shot Volume	cm3	3181	3927	4330	4123	4546	5453	5195	6232	7964	6751	8628	10006
Shot Weight(PS)	g	2895	3574	3940	3752	4137	4962	4728	5671	7247	6144	7851	9105
Shot Weight(PS)	OZ	102	126	139	132	146	175	167	200	256	217	277	321
Injection Pressure	Mpa	181	147	133	180	163	136	221	184	144	200	157	135
Screw L/D Ratio	L/d	25	22.5	21	24	23	21	24	22	20	25	22	20.5
Injection Stroke	mm	500			525			600			650		
Screw Rotary Speed Max	rpm	134			115			110			105		
Nozzle Contact Force	KN	200			200			200			200		
Nozzle Stroke	mm	675			675			850			900		
Injection Unit													
Clamping Force	KN	12000											
Mould Opening Stroke	mm	2000 / 1400											
Platen Size,HxV	mmxmm	1920x1820											
SpaceBetweenTineBars,HxV	mmxmm	1300x1200											
Daylight Max.	mm	2600											
Mold Thickness(min-max.)	mm	600-1200											
Ejector Stroke	mm	380											
Ejector Force	KN	300											
Ejector Pin	unit	8+8+8+1											
Power Unit													
System pressure	Mpa	17.5			17.5			17.5			17.5		
Pump Motor	kW	95(65+30)			110(65+45)			150(65+55+30)			157(65+55+37)		
Heating Capacity	kw	41			47			68			79		
NO.of Heater Zones	unit	8			8			8			9		
General Unit													
Oil Tank Capacity	L	730			960			1250			1250		
Machine Dimensions(LxWxH)	mxmxm	9.74x3.32x3.6			10.11x3.32x3.6			10.94x3.32x3.6			10.97x3.32x3.6		
Machine Weight	KG	44000			46000			48000			50000		

Appearance and Installation Dimensions



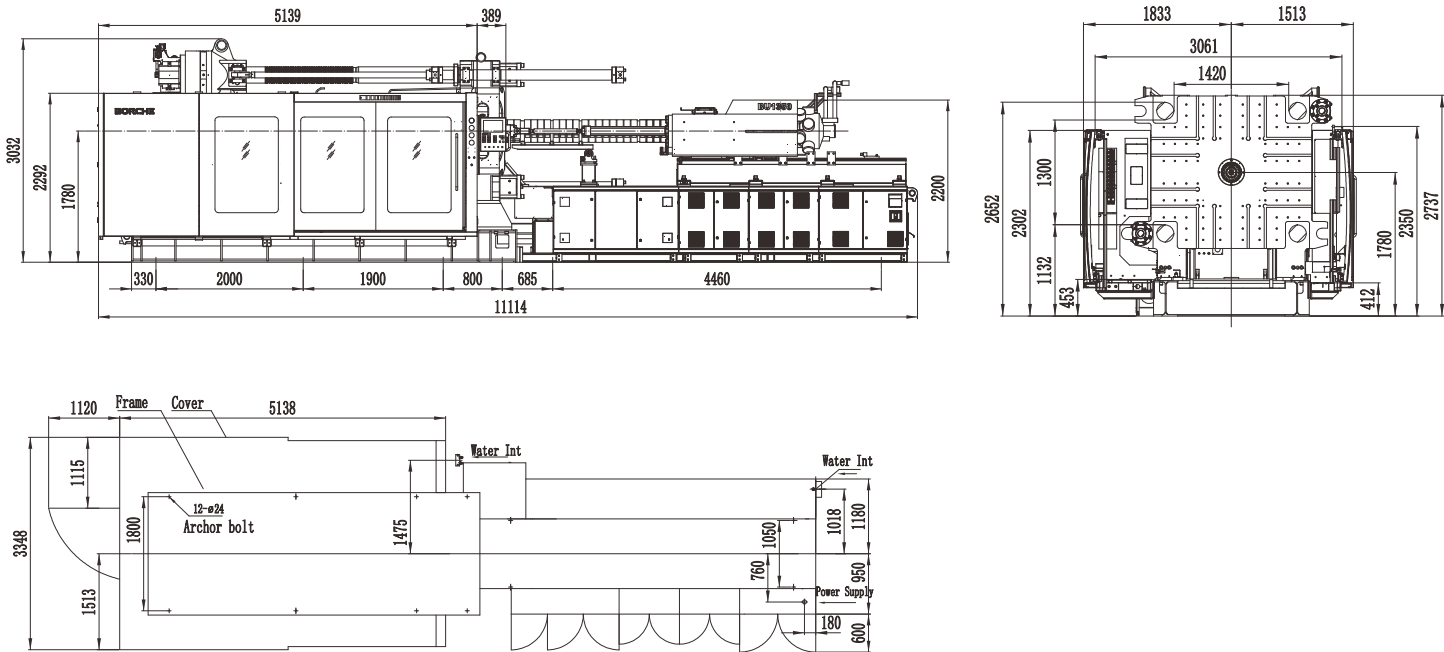
Mold Platen Drawing



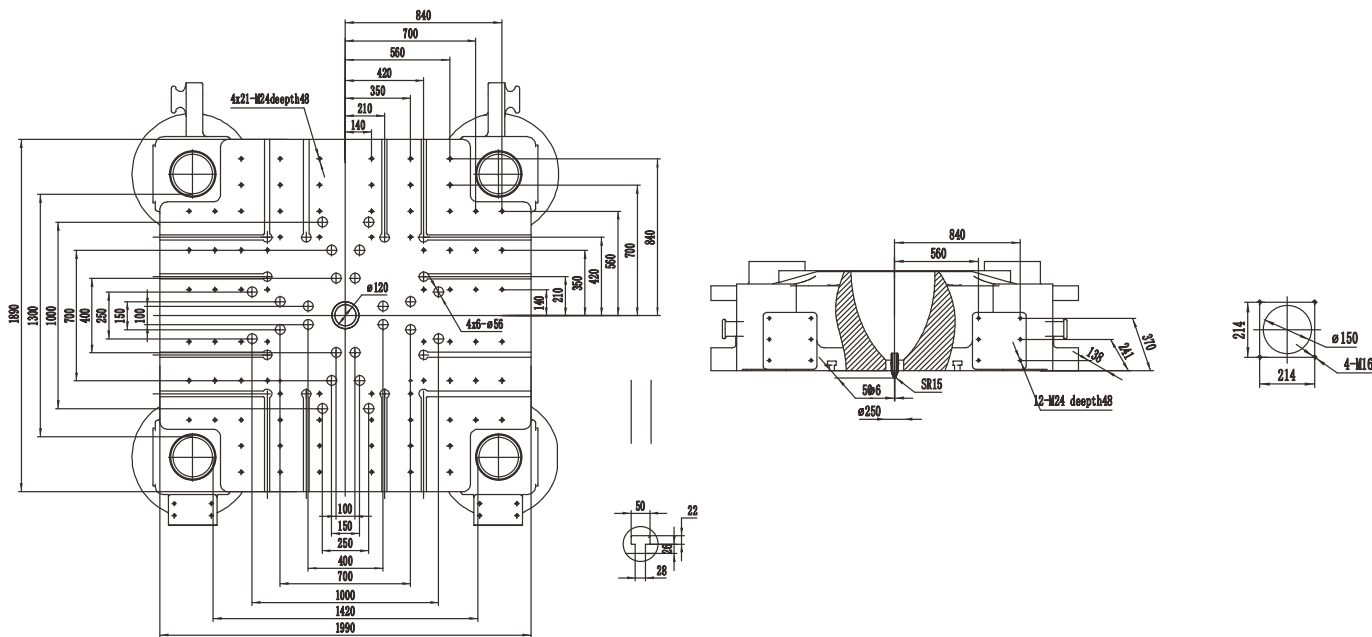
DESCRIPTION

MOLDEL	UNIT	BU1350-V											
INTERNATIONAL CLASS NUMBER		7400			11500			13500			17650		
Injection Unit													
Screw Diameter	mm	100	105	115	105	115	130	115	130	140	130	140	150
Shot Volume	cm3	4123	4546	5453	5195	6232	7964	6751	8628	10006	9291	10776	12370
Shot Weight(PS)	g	3752	4137	4962	4728	5671	7247	6144	7851	9105	8455	9806	11257
Shot Weight(PS)	OZ	132	146	175	167	200	256	217	277	321	298	346	397
Injection Pressure	Mpa	180	163	136	221	184	144	200	157	135	191	164	143
Screw L/D Ratio	L/d	24	23	21	24	22	20	25	22	20.5	24	22	21
Injection Stroke	mm	525			600			650			700		
Screw Rotary Speed Max	rpm	115			110			105			102		
Nozzle Contact Force	KN	200			200			200			200		
Nozzle Stroke	mm	675			850			900			965		
Injection Unit													
Clamping Force	KN	13500											
Mould Opening Stroke	mm	2250 / 1550											
Platen Size,HxV	mmxmm	1990×1890											
SpaceBetweenTineBars,HxV	mmxmm	1420×1300											
Daylight Max.	mm	2900											
Mold Thickness(min-max.)	mm	650-1350											
Ejector Stroke	mm	380											
Ejector Force	KN	300											
Ejector Pin	unit	8+8+8+1											
Power Unit													
System pressure	Mpa	17.5			17.5			17.5			17.5		
Pump Motor	kW	110(65+45)			150(65+55+30)			157(65+55+37)			185(65+65+55)		
Heating Capacity	kw	47			68			79			79		
NO.of Heater Zones	unit	8			8			9			9		
General Unit													
Oil Tank Capacity	L	960			1250			1250			1550		
Machine Dimensions(LxWxH)	mxmxm	10.27x3.5x3.6			11.1x3.5x3.6			11.2x3.5x3.6			11.91x3.5x3.6		
Machine Weight	KG	52000			54000			56000			58000		

Appearance and Installation Dimensions



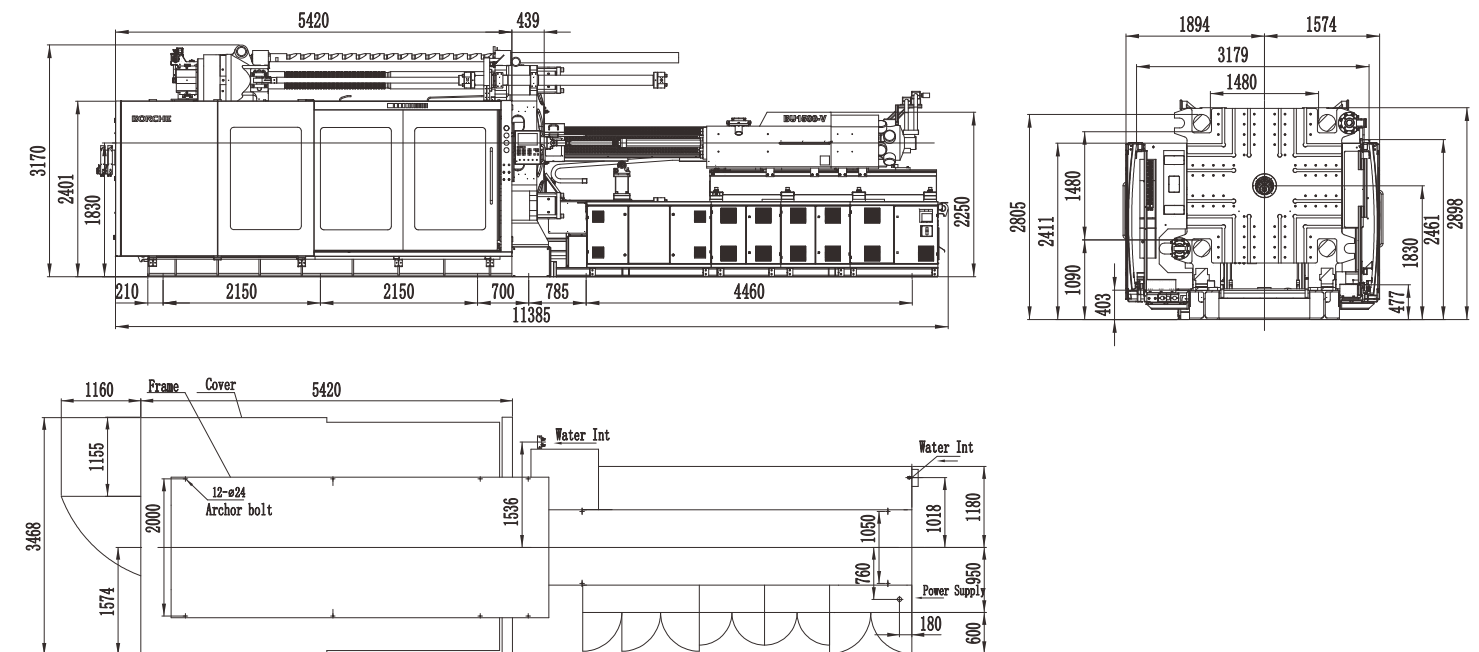
Mold Platen Drawing



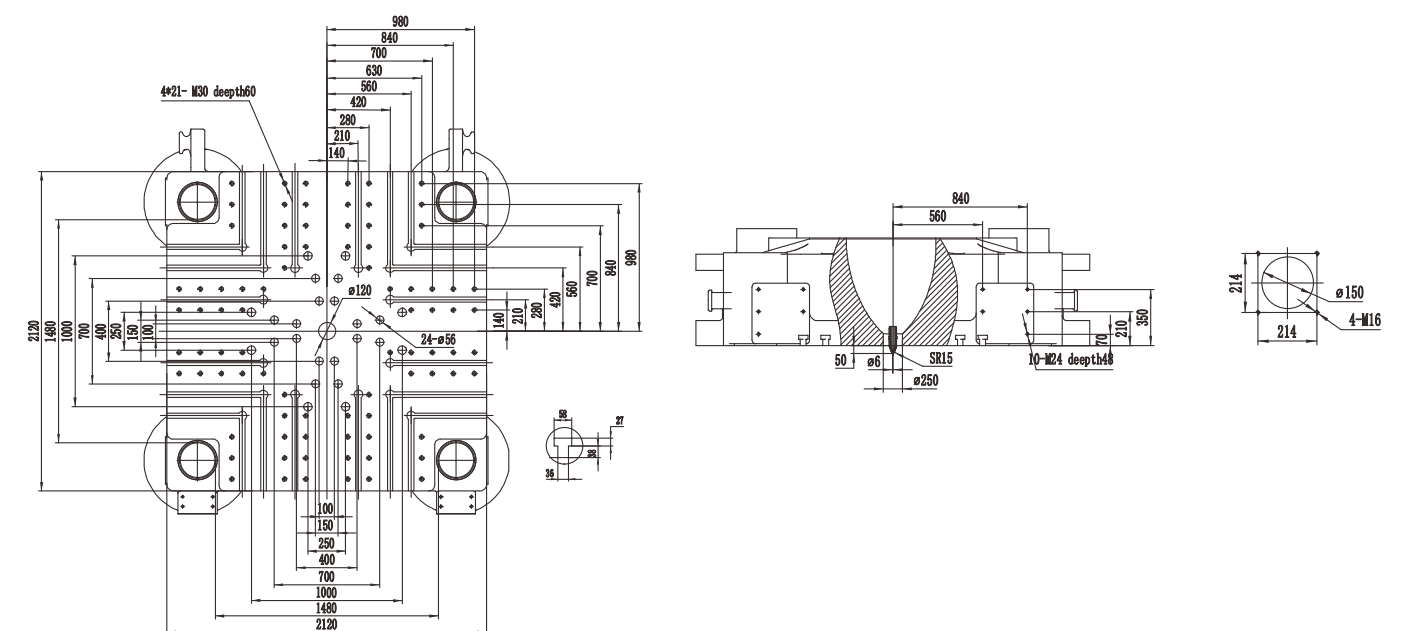
DESCRIPTION

MOLDEL	UNIT	BU1500-V											
INTERNATIONAL CLASS NUMBER		7400			11500			13500			17650		
Injection Unit													
Screw Diameter	mm	100	105	115	105	115	130	115	130	140	130	140	150
Shot Volume	cm3	4123	4546	5453	5195	6232	7964	6751	8628	10006	9291	10776	12370
Shot Weight(PS)	g	3752	4137	4962	4728	5671	7247	6144	7851	9105	8455	9806	11257
Shot Weight(PS)	OZ	132	146	175	167	200	256	217	277	321	298	346	397
Injection Pressure	Mpa	180	163	136	221	184	144	200	157	135	191	164	143
Screw L/D Ratio	L/d	24	23	21	24	22	20	25	22	20.5	24	22	21
Injection Stroke	mm	525			600			650			700		
Screw Rotary Speed Max	rpm	115			110			105			102		
Nozzle Contact Force	KN	200			200			200			200		
Nozzle Stroke	mm	675			850			900			965		
Injection Unit													
Clamping Force	KN							15000					
Mould Opening Stroke	mm	2400 / 1700											
Platen Size,HxV	mmxmm	2120×2120											
SpaceBetweenTineBars,HxV	mmxmm	1480×1480											
Daylight Max.	mm	3100											
Mold Thickness(min-max.)	mm	700-1400											
Ejector Stroke	mm	380											
Ejector Force	KN	300											
Ejector Pin	unit	8+8+8+1											
Power Unit													
System pressure	Mpa	17.5			17.5			17.5			17.5		
Pump Motor	kW	110(65+45)			150 (65+55+30)			157(65+55+37)			185 (65+65+55)		
Heating Capacity	kw	49			68			79			81		
NO.of Heater Zones	unit	8			8			9			9		
General Unit													
Oil Tank Capacity	L	960			1250			1250			1550		
Machine Dimensions(LxWxH)	mxmxm	10.41x3.5x3.6			11.24x3.5x3.6			11.39x3.5x3.6			11.97x3.5x3.6		
Machine Weight	KG	57000			59000			61000			63000		

Appearance and Installation Dimensions



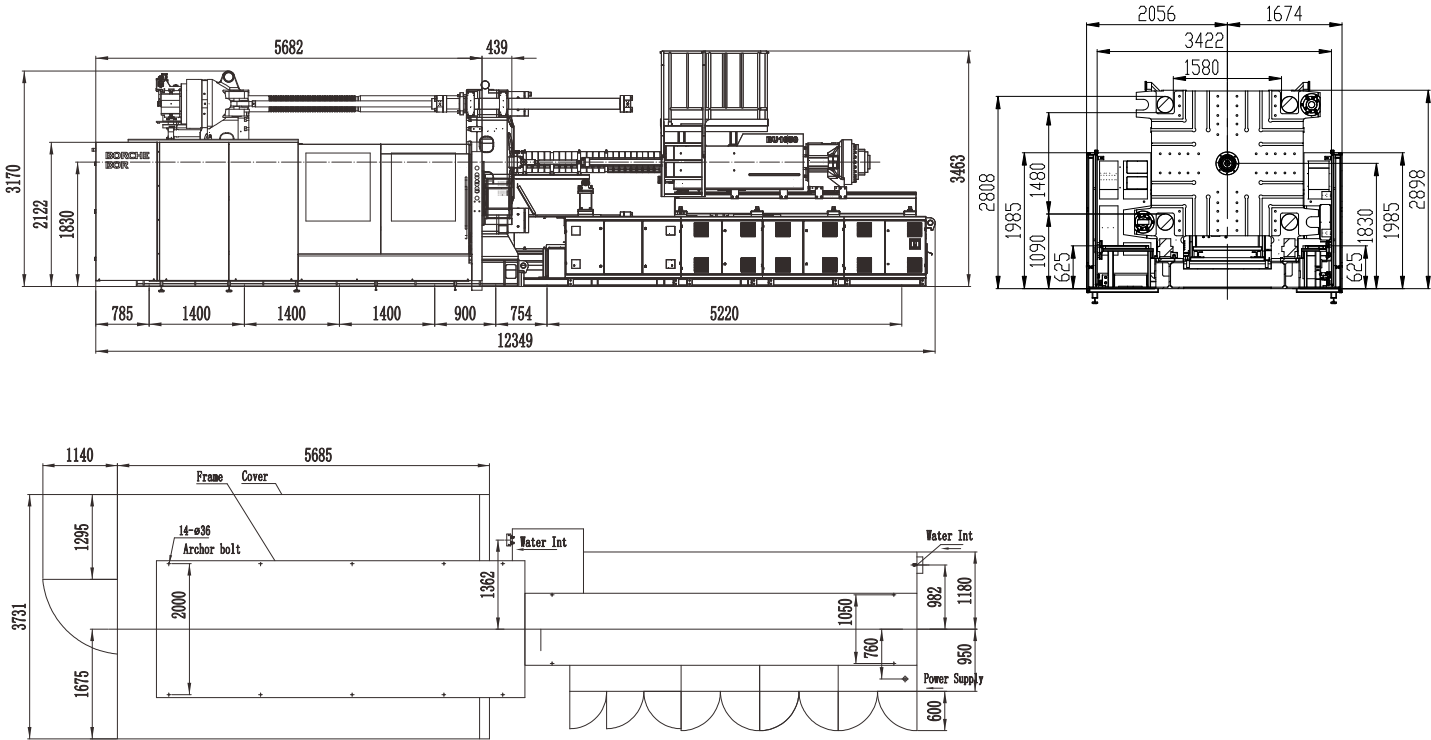
Mold Platen Drawing



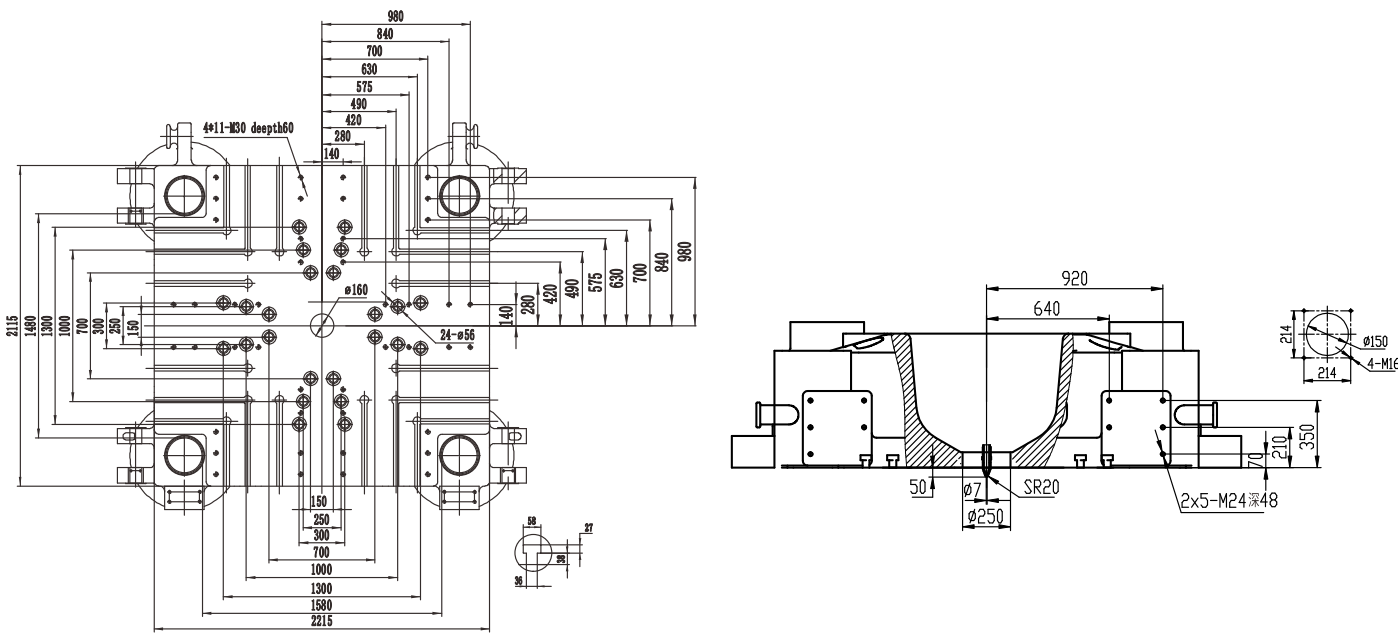
DESCRIPTION

MOLDEL	UNIT	BU1650-V											
INTERNATIONAL CLASS NUMBER		11500			13500			17650			29500		
Injection Unit													
Screw Diameter	mm	105	115	130	115	130	140	130	140	150	150	160	170
Shot Volume	cm3	5195	6232	7964	6751	8628	10006	9291	10776	12370	16611	18900	21336
Shot Weight(PS)	g	4728	5671	7247	6144	7851	9105	8455	9806	11257	15116	17199	19416
Shot Weight(PS)	OZ	167	200	256	217	277	321	298	346	397	533	607	685
Injection Pressure	Mpa	221	184	144	200	157	135	191	164	143	178	156	139
Screw L/D Ratio	L/d	24	22	20	25	22	20.5	24	22	21	23	21.6	20
Injection Stroke	mm	600			650			700			940		
Screw Rotary Speed Max	rpm	110			105			102			82		
Nozzle Contact Force	KN	200			200			200			290		
Nozzle Stroke	mm	850			900			965			1110		
Injection Unit													
Clamping Force	KN	16500											
Mould Opening Stroke	mm	2500 / 1700											
Platen Size,HxV	mmxmm	2215x2115											
SpaceBetweenTineBars,HxV	mmxmm	1580x1480											
Daylight Max.	mm	3200											
Mold Thickness(min-max.)	mm	700-1500											
Ejector Stroke	mm	380											
Ejector Force	KN	300											
Ejector Pin	unit	8+8+8+1											
Power Unit													
System pressure	Mpa	17.5			17.5			17.5			17.5		
Pump Motor	kW	150(65+55+30)			157(65+55+37)			185(65x2+55)			195(65+65+65)		
Heating Capacity	kw	68			79			81			97		
NO.of Heater Zones	unit	8			9			9			9		
General Unit													
Oil Tank Capacity	L	1250			1250			1550			1750		
Machine Dimensions(LxWxH)	mxmxm	11.62x3.7x3.6			11.66x3.74x3.6			12.35x3.74x3.6			13.71x3.74x3.6		
Machine Weight	KG	66000			68000			70000			78000		

Appearance and Installation Dimensions



Mold Platen Drawing

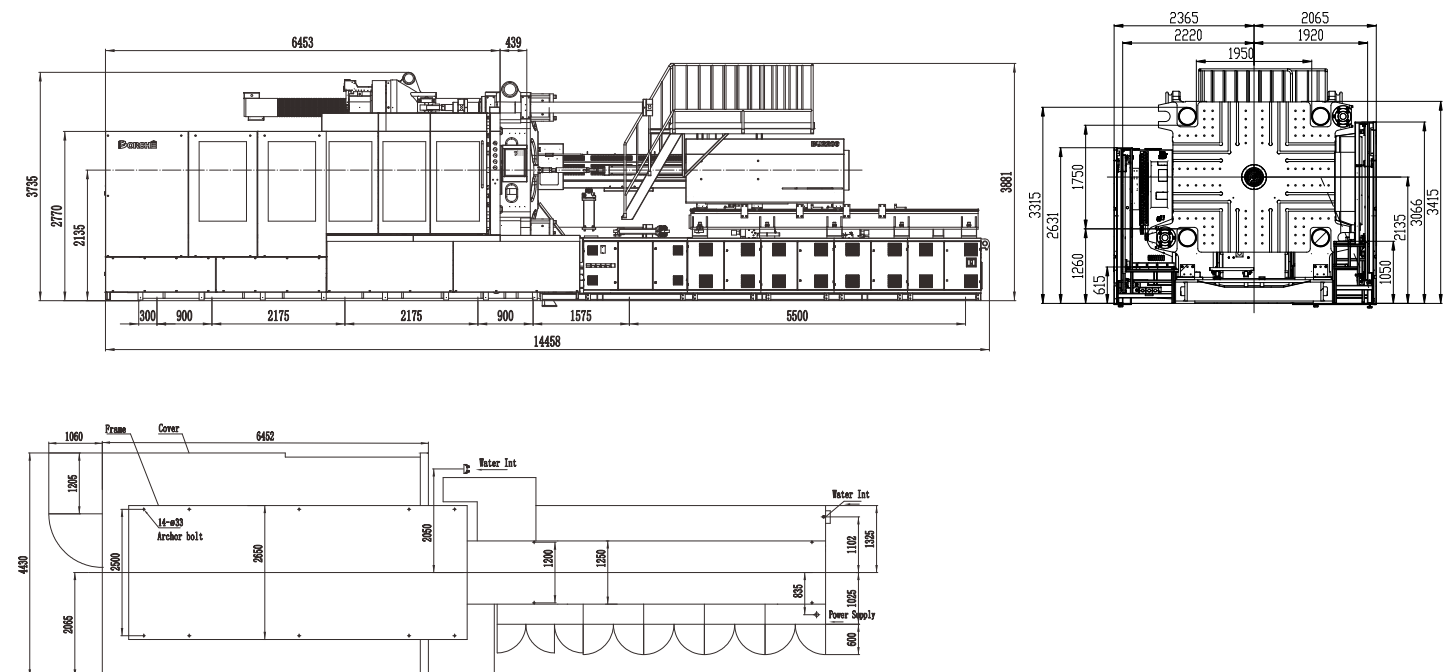


BU2500-V

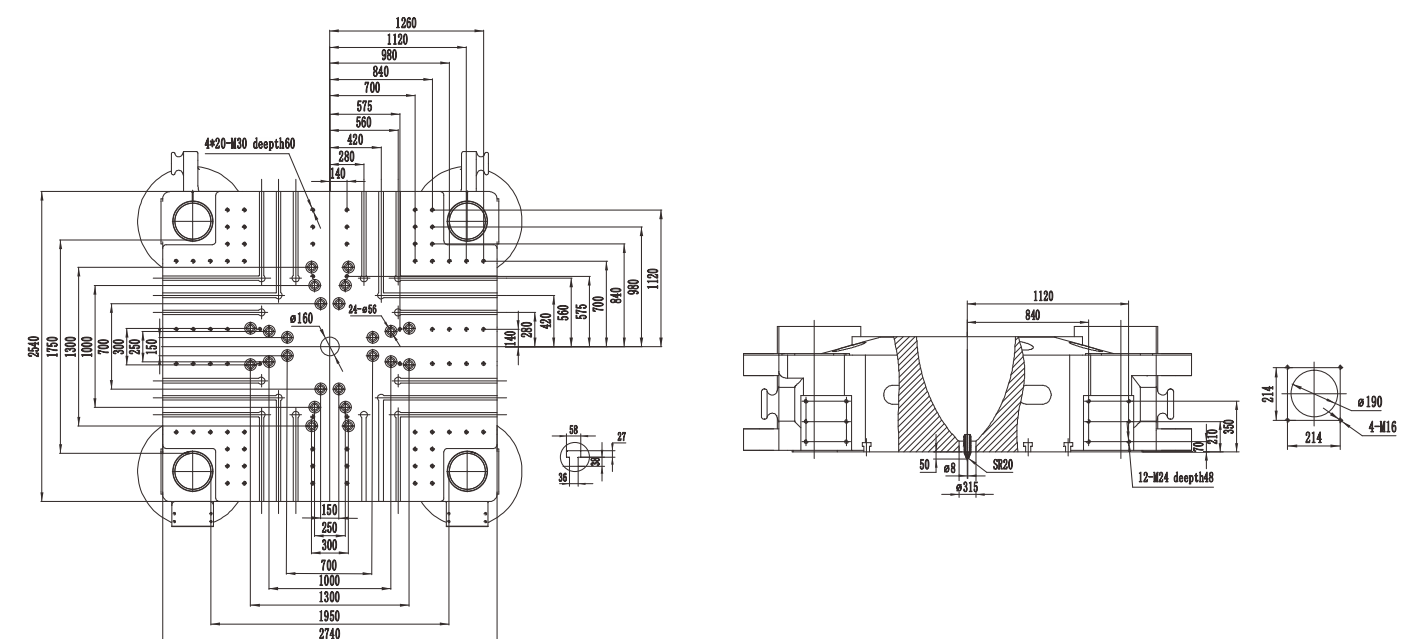
DESCRIPTION

MOLDEL	UNIT	BU2500-V								
INTERNATIONAL CLASS NUMBER		17650			29500			40700		
Injection Unit										
Screw Diameter	mm	130	140	150	150	160	170	165	185	205
Shot Volume	cm3	9291	10776	12370	16611	18900	21336	19779	24864	30531
Shot Weight(PS)	g	8455	9806	11257	15116	17199	19416	17999	22626	27783
Shot Weight(PS)	OZ	298	346	397	533	607	685	635	798	980
Injection Pressure	Mpa	191	164	143	178	156	139	207	165	134
Screw L/D Ratio	L/d	24	22	21	23	21.6	20	26	23	21
Injection Stroke	mm	700			940			925		
Screw Rotary Speed Max	rpm	110			85			72		
Nozzle Contact Force	KN	200			290			290		
Nozzle Stroke	mm	965			1110			1110		
Injection Unit										
Clamping Force	KN	25000								
Mould Opening Stroke	mm	2800 / 1900								
Platen Size,HxV	mmxmm	2740x2540								
SpaceBetweenTineBars,HxV	mmxmm	1950x1750								
Daylight Max.	mm	3600								
Mold Thickness(min-max.)	mm	800-1700								
Ejector Stroke	mm	450								
Ejector Force	KN	390								
Ejector Pin	unit	8+8+8+1								
Power Unit										
System pressure	Mpa	17.5			17.5			17.5		
Pump Motor	kW	185(65x2+55)			195(65+65+65)			218(98+65+55)		
Heating Capacity	kw	81			97			176		
NO.of Heater Zones	unit	9			9			15		
General Unit										
Oil Tank Capacity	L	1550			1750			2880		
Machine Dimensions(LxWxH)	mxmxm	13.22x4.43x3.95			14.6x4.43x3.95			15.6x4.43x3.95		
Machine Weight	KG	110000			118000			126000		

Appearance and Installation Dimensions



Mold Platen Drawing



Standard Features

SAFETY UNIT		
1	China New Safety Standard	●
2	Full covered design	●
3	Double emergency button (≤600T),four emergency button(≥700T)	●

INJECTION UNIT		
1	Twin carriage structure	●
2	Balancing twin injection cylinder	●
3	Wear resistant screw and barrel	●
4	3 sizes of screw/barrel available(ABC)	●
5	Nozzle centering calibration	●
6	Injection unit adopts linear guide rail	●
7	High torque hydraulic motor	●
8	Ceramic heater band	●
9	With screw and barrel support. (≥IU5700)	●
10	Bearing supported hopper slider (≤IU13500)	●
11	Hopper platform (≥IU17650)	●
12	Electric lock on nozzle cover	●
13	Protection cover on heater band	●
14	Nonslip embossed aluminum sheet	●
15	High pressure/temperature tube for cooling ring on hopper throat	●
16	Leakage protection when suckback	●
17	Screw RPM sensor	●
18	Screw cold start proection	●
19	4 ways of carriage backward	●
20	10 stages of injection, pressure/sppeed ajustable	●
21	10 stages of pressure holding, pressure/sppeed ajustable	●
22	5 stages of plasticizing, pressure/sppeed ajustable	●
23	Temp. sensor on hopper throat	●

CLAMPING UNIT		
1	Proportional valve for mold open and close	●
2	Anti-inclining and adjustable support for moving platen	●
3	Ejector backward position confirmation function	●
4	Pull back ejector pins	●
5	T-slot together with thread hole platen	●
6	Strong chrome plated tiebar	●
7	Synchronized half nut	●
8	Half nut independent lubrication	●
9	With robot mounting hole	●
10	Abrasion resistance strip	●
11	With hopper (≤600T)	●
12	Safety platform under mold area(≥700T)	●
13	Automatic safety door	●
14	Water manifold 9in/out, one on each platen(BU500-BU800)	●
15	Water manifold 10in/out, one on each platen(BU900-BU6800)	●
16	5 stages of closing/opening, pressure/sppeed ajustable	●
17	3stages/multi ways of ejector control(pressure, position, speed)	●
18	Auto mold thickness adjustment	●
19	Clamping force realtime monitor	●
20	Lubrication end pressure monitor	●
21	Magnetostrictive transducer for platen moving	●

HYDRAULIC UNIT		
1	Servo motor power	●
2	Low pressure mold protection	●
3	Parallel ejector/core	●
4	Spring mold function	●
5	4core pull(2 on fixed platen, 2 on moving platen). (≥1200 T)	●
6	2 core pull(on moving platen). (≤1000T)	●
7	Efficient hydraulic oil cooler(≤IU4155)	●
8	Independent oil cooler(≥IU5700)	●
9	Bypass oil filter (≤IU4155)	●
10	Return filter(≥IU5700)	●
11	Pump with oil release function	●
12	High pressure 2-step release	●
13	Digital back pressure	●
14	One way valve for carriage	●
15	Boost open function	●
16	Low level alarm	●
17	Sucking filter with check valve(with sucking block alarm)	●
18	Exposion protective chain on hi-pressure pipes	●
19	High pressure mold opening function	●

CONTROL UNIT		
1	Keba controller	●
2	Internet connection port	●
3	Multi language available	●
4	Self diagnosis system	●
5	With SPC function	●
6	Process parameter quick setting	●
7	Robot interface	●
8	Auto purge	●
9	Timer heating function	●
10	Electric heating protection by fuse or auto switch	●
11	PID programmable barrel heating	●
12	Precise position sensor	●
13	With 2G CF card, capable for 200sets of parameter	●
14	Parameter lock	●
15	Solid relay temperature setting	●
16	3-color alarm	●
17	380V/32A/5P 3ph, 2 sets	●
18	380V/16A/5P 3ph, 2 sets	●
19	220V/10A socket, 1 sets	●

INTERCONNECTED UNIT		
1	Temporary authorization of OPC-UA/DA	●
2	PlasCloud App, basic version	●
2.1	Machine Kanban: status, cycle and output,etc.	●
2.2	Remote view: process parameter, SPC, machine setup	●
2.3	Machine management: spot check, maintenance, repair	●
2.4	Report: daily report, monthly report	●

OTHER UNIT		
1	Borche standard VI	●
2	Backup socket	●
3	Adjustable level pad	●
4	With standard tool kit	●
5	With standard spare parts set	●

Optional Functions Of Intelligent Manufacturing:		
1	With Industry 4.0 on IMM, three mold change ways can be realized with mold change platform: one-stop automatic mold change, semi-automatic mold change and manual mold change. IMM can automatically identify mold and acquire parameter of mold change, technique and peripherals. The hole of IMM should be tailored to suit that of the mold change platform and hydraulic clamp. IMM will evaluate the safety of above holes. Safety lock is active when matching signal received. IMM plays a responsible role in mold change platform and hydraulic clamp.	
2	IMM controller can display all machines’(peripherals included)operation condition and malfunction alarm. There are eight malfunction alarm interfaces for following peripherals: one robot, two mould temperature controllers, one water cooler, one dryer and all-in-one compact dryer. The communication and alarm function of other peripherals are connected to IMM through external connection cabinet so that intelligent interconnection of IMM and peripherals is built.	
3	Plug and play, intelligently inter-connected water cooler operated and controlled in IMM with close-loop connection Intelligent interconnection of IMM and chiller can be operated and controlled by IMM controller. Data is close-loop interconnection.	
4	Intelligent interconnection of IMM and mould temperature controller can be operated and controlled by IMM controller. All data is close-loop interconnection.	
5	Intelligent interconnection of IMM and all-in-one compact dryer can be operated and controlled by IMM controller. All data is close-loop interconnection.	
6	Compression injection molding technique	
7	High speed proportional valve for mold open and close and non-contact maglev linear transducer realize real-time monitor	
8	Robot connects with IMM in real-time, which reduce the interference of robot, IMM and mold. Robot can be fixed on the top or side of fixed platen according to parts pick requirements	
9	Automation system of IMM and peripherals interact with MES management system 1) Order Monitor 2) CProduction Status Display 3) Alarm Monitor 4) Technique Parameter Management 5) Equipment Management 6) Production Report	
10	Mold Visual Monitor 1) Low pressure mold protection for higher precision and efficiency 2) CAccurate checkup 3) Self-adaption to exterior light change 4) Self-adaption to inaccurate mold open position 5) Real-time record	
11	Visual Detective System for surface quality checking 1) Fast detection, detection precision reaches to 0.001mm 2) Defectives check of contamination, color difference, flake, and short injection. 3) Wide application	
12	Vision-induced System 1) Accurate positioning 2) Sensitive identification 3) Wide application	