SOUND 申达

Since 1955

DP

Two-platen injection molding machines



Dou-Power series

4500–40000 kN

Compact layout

Two-platen architecture

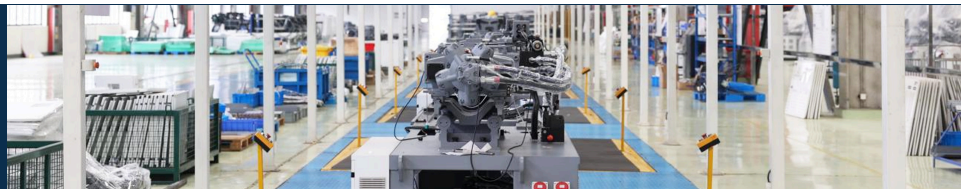
Large mold space

Flexible mold accommodation

Modular design

Clamping / injection pairing

**Engineering.
Since 1955.**



ZHEJIANG SOUND MACHINERY MANUFACTURE CO., LTD.

SOUND MACHINERY MANUFACTURE CO., LTD.

www.soundimm.com

Inside the DP platform

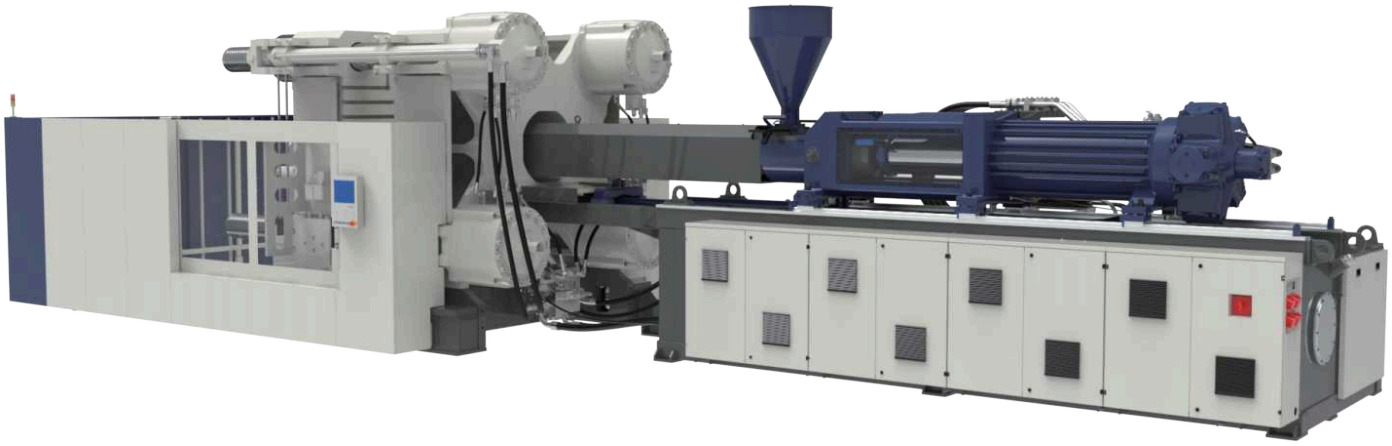
Technical specifications, original drawings and project information

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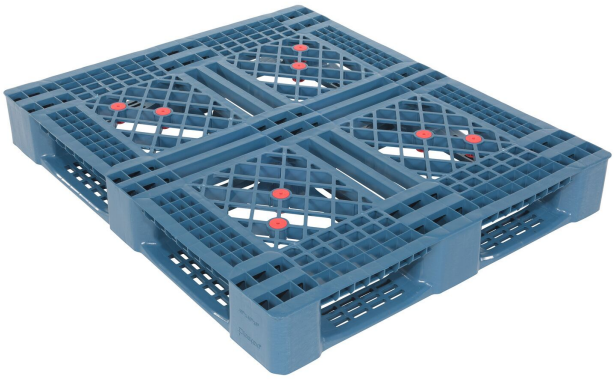
Use the PDF bookmarks to jump directly to a clamping model or drawing.

Built around the application

Dou-Power / Two-platen molding



Application examples



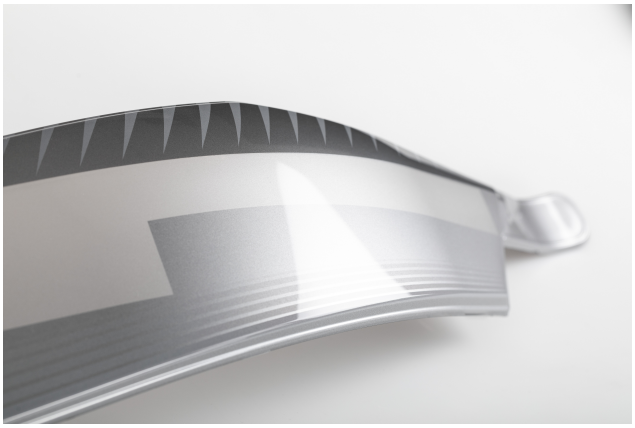
Logistics pallets

Reusable material-handling products



Large containers

Waste bins and deep-cavity parts



Automotive components

Representative lens detail. Part geometry, material and tooling determine the required configuration.

Large-area housings

Applications also include appliance housings and other large molded components.

Representative product types. Select the final machine configuration for the part and mold.

Space. Stability. Flexibility.

Two-platen platform / Machine architecture



Compact footprint

The two-platen arrangement occupies less floor space than a three-platen layout, supporting efficient use of the production area.

Mold accommodation

The large opening stroke and flexible mold space accommodate large molds and deep-cavity parts.

Position accuracy

Mold opening and closing position accuracy: ±0.2 mm. Injection position accuracy: ±0.2 mm.

Modular configuration

Mechanical, hydraulic and electrical modules can be combined to suit the application.

Intelligent control

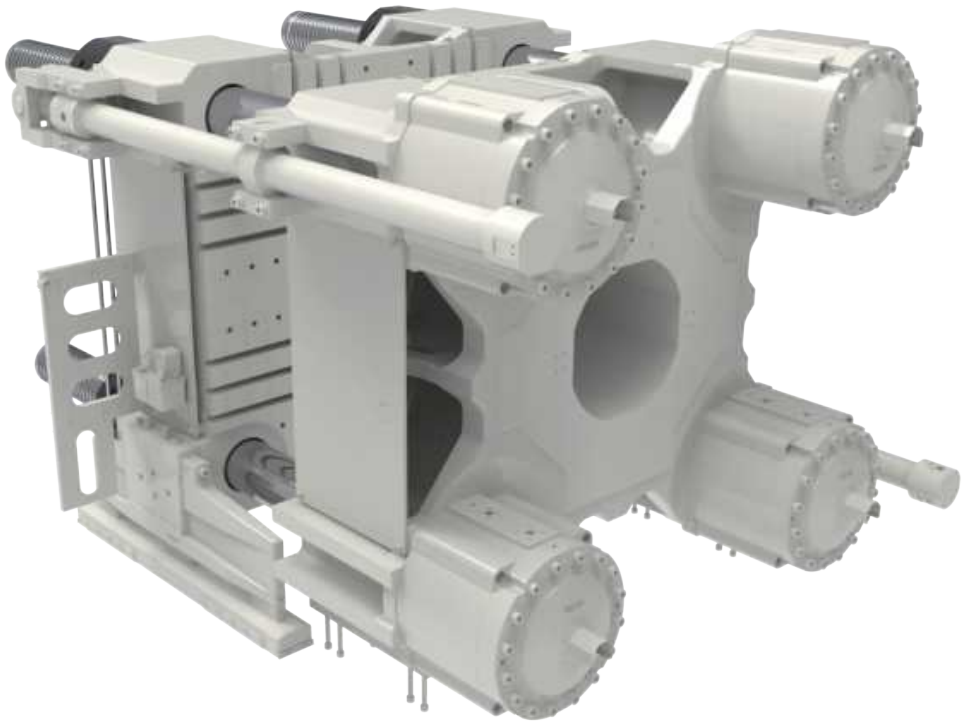
Fast response, short scan time and digital analysis support precise machine operation.

Product repeatability

Product repeatability: ≤5‰. Stable injection supports consistent molded parts.

A rigid, guided clamping unit

Clamping architecture / Component details



Rigid, parallel platens

High rigidity and platen parallelism help reduce platen and mold deformation, supporting the service life of the machine and mold.

Box-type clamping body

The box-type structure provides a stable base for repeatable clamping movement.

Linear guides and platen support

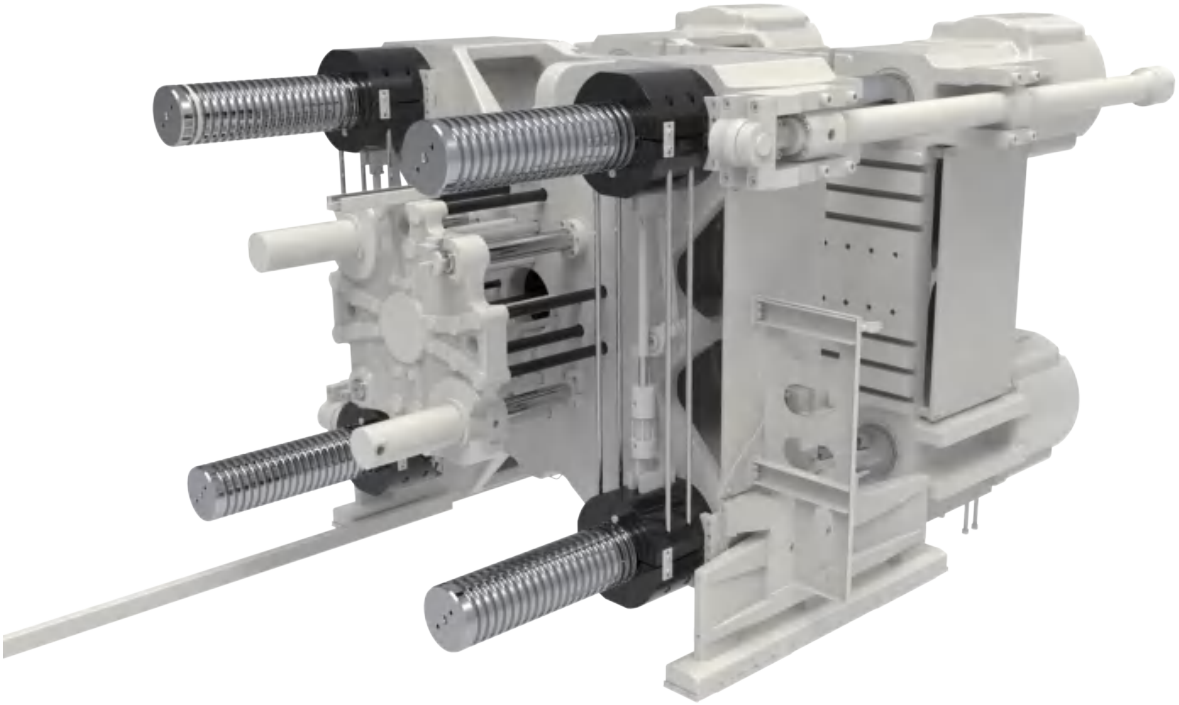
High-rigidity T-type linear guides and a stable support system guide the platen through fast, smooth movement.

Part quality and dry cycling

Short dry cycles, reduced flash and material savings support efficient production with stable part precision.

Locking and mold protection

Clamping architecture / Component details



Synchronized locking

The synchronous locking mechanism is designed for fast, stable and accurate locking.

Short-stroke high-pressure cylinders

The short-stroke design builds pressure quickly and supports stable, extended pressure holding.

Floating piston connections

Floating piston connections distribute force more evenly. European-technology hydraulic circuits support fast, stable mold movement.

Non-contact tie bars

Non-contact tie bars reduce friction and energy use, alongside mold-protection functions and a clean mold area.

Responsive injection

Injection unit / Component details



Single-cylinder injection

A compact single-cylinder system combines low inertia with a rigid injection structure.

Low-friction cylinder

The cylinder is designed for fast response, accurate injection and efficient operation.

Small suck-back oil chamber

A small oil chamber reduces resistance during suck-back, supporting efficient and precise operation.

Position and repeatability

Injection position accuracy: ±0.2 mm. Product repeatability: ≤5‰.

Plasticizing and material control

Injection unit / Component details



Quick-disassembly plasticizing unit

The quick-disassembly arrangement supports maintenance and flexible combinations of injection components.

Feed-port temperature control

Closed-loop feed-port temperature control helps prevent material caking and unstable feeding.

Application-specific screws

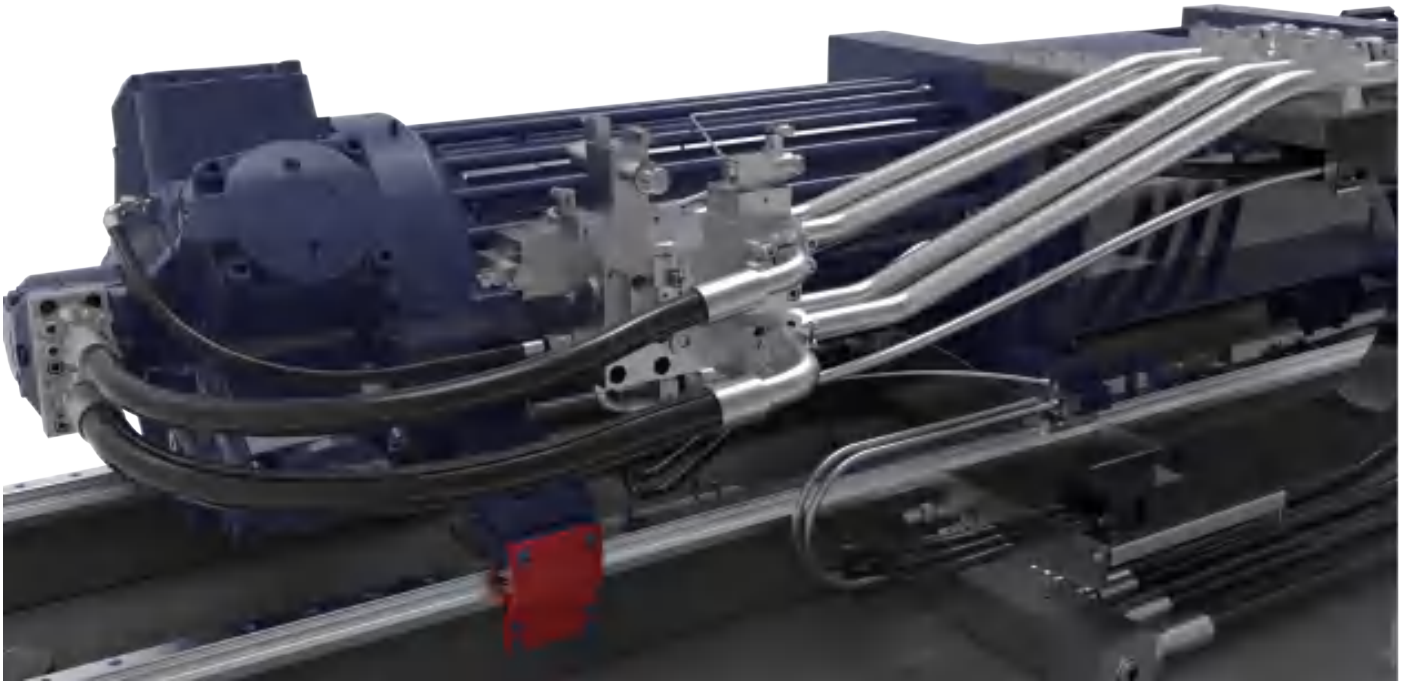
European screw-design technology offers choices of screw diameter, wear resistance, geometry and mixing characteristics.

Large L/D ratio

A large length-to-diameter ratio supports plasticizing effectiveness and efficiency. Special plasticizing systems can be specified for the process.

Hydraulic process control

Hydraulic system / Process stability



Proportional mold-motion control

Proportional-valve control supports smooth, accurate mold opening and closing and helps protect the mold.

Independent cooling and filtration

An independent filter-cooling circuit stabilizes oil temperature without relying on mold-motion cycle timing.

High-response hydraulic circuit

The mold-opening and closing circuit supports rapid response and stable, extended pressure holding.

Proportional back pressure

Proportional back-pressure control supports consistent plasticizing and product precision.

Control at the machine

Controller / Machine operation



KEBA control platform

An Austrian KEBA control system manages pressure, speed, temperature and position.

Operator interface

A stable, reliable and user-friendly interface supports straightforward machine operation.



Controller model, screen size, interfaces and software are selected according to the machine configuration.

Clamping / injection pairing

DP clamping units and SP injection units

	CLAMPING UNIT											
INJECTION UNIT	DP450	DP650	DP900	DP1100	DP1300	DP1600	DP1850	DP2100	DP2400	DP2800	DP3300	DP4000
SP1700	●	–	–	–	–	–	–	–	–	–	–	–
SP2400	●	●	–	–	–	–	–	–	–	–	–	–
SP3600	●	●	●	–	–	–	–	–	–	–	–	–
SP4700	●	●	●	●	–	–	–	–	–	–	–	–
SP6500	–	●	●	●	●	–	–	–	–	–	–	–
SP9700	–	–	●	●	●	●	–	–	–	–	–	–
SP12600	–	–	–	●	●	●	●	–	–	–	–	–
SP19300	–	–	–	–	●	●	●	●	–	–	–	–
SP26000	–	–	–	–	–	●	●	●	●	–	–	–
SP32800	–	–	–	–	–	–	●	●	●	●	–	–
SP40600	–	–	–	–	–	–	–	●	●	●	●	–
SP52700	–	–	–	–	–	–	–	–	●	●	●	●
SP72200	–	–	–	–	–	–	–	–	–	●	●	●
SP92500	–	–	–	–	–	–	–	–	–	–	●	●

● Configuration detailed in this catalogue

– No specification listed

Select a DP clamping unit and an SP injection unit, then compare the matching technical specifications.

Confirm the final combination for your mold, material and production requirements.

Technical specifications

DP450 / Injection-unit configurations

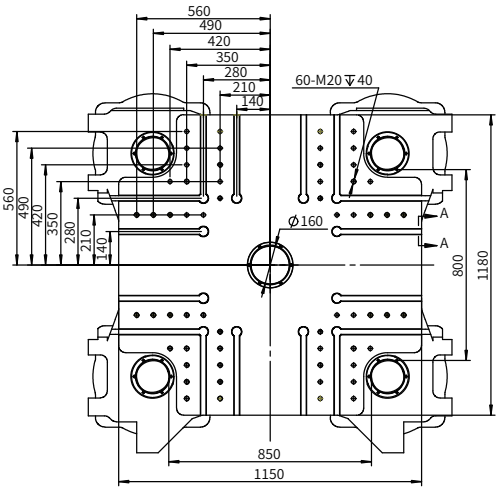
Parameter	Unit	DP450											
CLAMPING UNIT													
Clamping force	-	4500											
Tie-bar spacing (H × V)	-	850 × 800											
Max. mold height	-	900											
Min. mold height	-	350											
Ejector stroke	-	250											
Ejector force	-	110											
Max. daylight	-	1450											
Max. opening stroke	-	1100											
Max. mold weight	-	6.5											
INJECTION UNIT													
Injection unit	-	**SP1700**			**SP2400**			**SP3600**			**SP4700**		
Nominal injection capacity	-	1696			2425			3619			4781		
Screw diameter	mm	**55**	**60**	**70**	**60**	**70**	**80**	**70**	**80**	**90**	**80**	**90**	**100**
Screw L/D ratio	L/D	24.0	22.0	18.8	25.6	22.0	19.5	25.1	22.0	19.6	24.7	22.0	19.8
Injection volume	cm^3	713	848	1155	990	1347	1759	1539	2011	2545	2262	2863	3534
Shot weight (PS)	g	656	780	1062	910	1239	1619	1416	1850	2341	2081	2634	3252
Injection pressure	bar	2380	2000	1469	2450	1800	1378	2351	1800	1422	2114	1670	1353
Injection speed	mm/s	124	124	124	120	120	120	120	120	120	105	105	105
Injection rate	cm^3/s	295	351	477	339	462	603	462	603	763	528	668	825
Screw speed	r/min	230			200			190			165		
Plasticizing capacity (PS)	-*	32.6	51.8	79.4	45.0	69.0	99.7	65.6	94.7	130.8	82.2	113.6	140.3
Heating zones	-	6			6			6			7		
Nozzle contact force	-*	82			82			82			129		
GENERAL													
Max. system pressure	bar	240			240			240			240		
Pump power	kW	55.6			59.8			68.3			75.4		
Heating power	kW	27			33			39			48		
Machine size	m	6.6 × 2.2 × 2.4			6.8 × 2.2 × 2.4			7 × 2.2 × 2.4			7.2 × 2.2 × 2.5		
Machine weight	t	17.5			18			19			20		
Oil tank capacity	L	700			730			850			980		

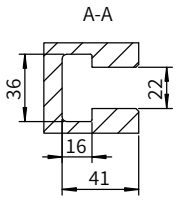
- Unit not specified or not applicable in the supplied model data.
* Plasticizing capacity and nozzle contact force: units to be confirmed.
Final dimensions depend on the selected clamping / injection combination.

Platen and mold-space drawings

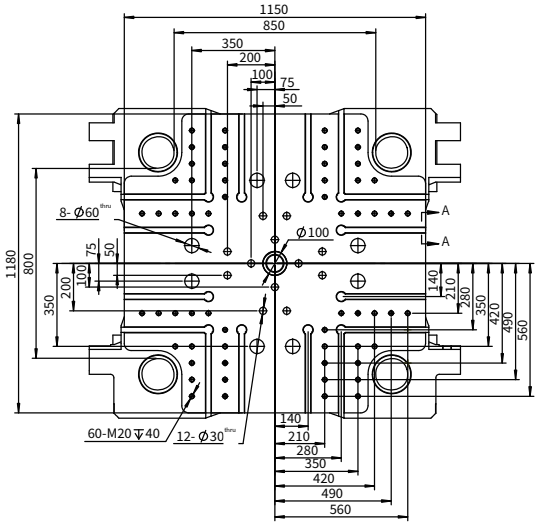
DP450

DP450 Fixed mold Platen

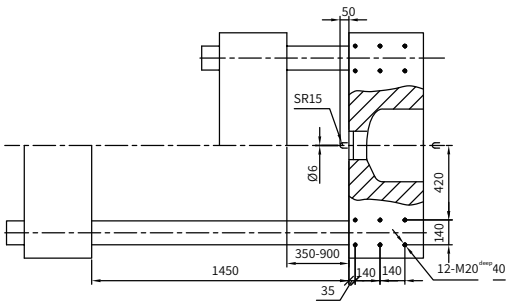




DP450 Moving mold Platen



DP450 Mold Height Size Figure



Confirm the final platen drawing for the selected model.

Technical specifications

DP650 / Injection-unit configurations

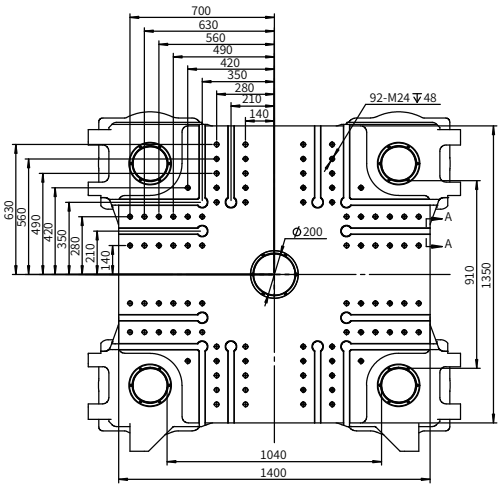
Parameter	Unit	DP650											
CLAMPING UNIT													
Clamping force	-	6500											
Tie-bar spacing (H × V)	-	1040 × 910											
Max. mold height	-	950											
Min. mold height	-	400											
Ejector stroke	-	250											
Ejector force	-	110											
Max. daylight	-	1750											
Max. opening stroke	-	1350											
Max. mold weight	-	9.5											
INJECTION UNIT													
Injection unit	-	**SP2400**			**SP3600**			**SP4700**			**SP6500**		
Nominal injection capacity	-	2425			3619			4781			6597		
Screw diameter	mm	**60**	**70**	**80**	**70**	**80**	**90**	**80**	**90**	**100**	**90**	**100**	**110**
Screw L/D ratio	L/D	25.6	22.0	19.5	25.1	22.0	19.6	24.7	22.0	19.8	24.4	22.0	20.0
Injection volume	cm^3	990	1347	1759	1539	2011	2545	2262	2863	3534	3181	3927	4752
Shot weight (PS)	g	910	1239	1619	1416	1850	2341	2081	2634	3252	2926	3613	4372
Injection pressure	bar	2450	1800	1378	2351	1800	1422	2114	1670	1353	2074	1680	1388
Injection speed	mm/s	120	120	120	120	120	120	105	105	105	110	110	110
Injection rate	cm^3/s	339	462	603	462	603	763	528	668	825	700	864	1045
Screw speed	r/min	200			190			165			135		
Plasticizing capacity (PS)	-*	45.0	69.0	99.7	65.6	94.7	130.8	82.2	113.6	140.3	92.9	114.8	155
Heating zones	-	6			6			7			7		
Nozzle contact force	-*	82			82			129			129		
GENERAL													
Max. system pressure	bar	240			240			240			240		
Pump power	kW	59.8			68.3			75.4			92.7		
Heating power	kW	33			39			48			54		
Machine size	m	7.4 × 2.6 × 2.6			7.6 × 2.6 × 2.6			7.8 × 2.6 × 2.6			8 × 2.6 × 2.7		
Machine weight	t	22			23			24			26		
Oil tank capacity	L	310			850			980			1300		

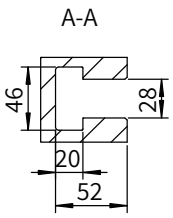
- Unit not specified or not applicable in the supplied model data.
* Plasticizing capacity and nozzle contact force: units to be confirmed.
Final dimensions depend on the selected clamping / injection combination.

Platen and mold-space drawings

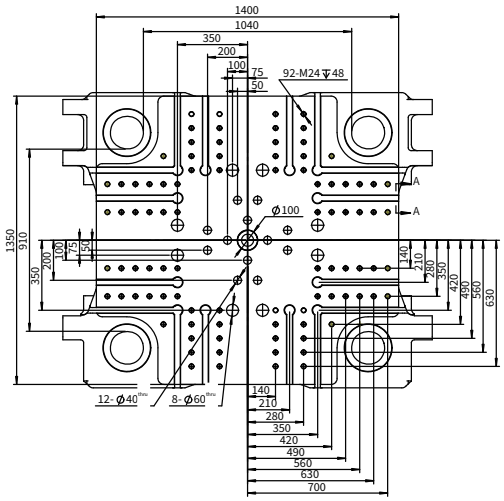
DP650

DP650 Fixed mold Platen

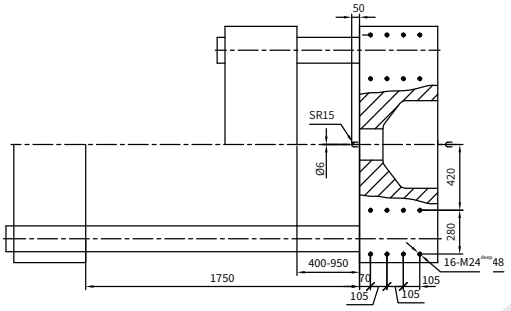




DP650 Moving mold Platen



DP650 Mold Height Size Figure



Confirm the final platen drawing for the selected model.

Technical specifications

DP900 / Injection-unit configurations

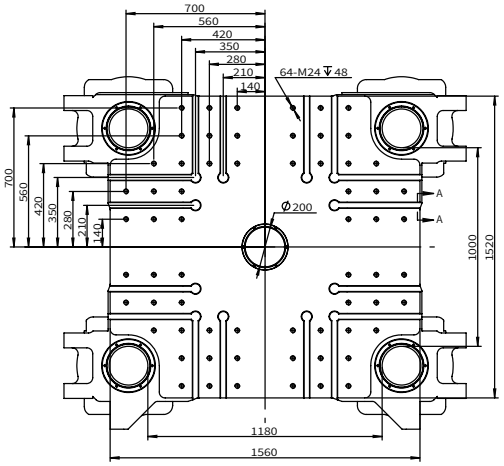
Parameter	Unit	DP900											
CLAMPING UNIT													
Clamping force	-	9000											
Tie-bar spacing (H × V)	-	1180 × 1000											
Max. mold height	-	1100											
Min. mold height	-	500											
Ejector stroke	-	300											
Ejector force	-	195											
Max. daylight	-	2100											
Max. opening stroke	-	1600											
Max. mold weight	-	13											
INJECTION UNIT													
Injection unit	-	**SP3600**			**SP4700**			**SP6500**			**SP9700**		
Nominal injection capacity	-	3619			4781			6597			9717		
Screw diameter	mm	**70**	**80**	**90**	**80**	**90**	**100**	**90**	**100**	**110**	**100**	**110**	**120**
Screw L/D ratio	L/D	25.1	22.0	19.6	24.7	22.0	19.8	24.4	22.0	22.0	25.3	23.0	21.0
Injection volume	cm^3	1539	2011	2545	2262	2863	3534	3181	3927	4752	4752	5750	6842
Shot weight (PS)	g	1416	1850	2341	2081	2634	3252	2926	3613	4372	4372	5290	6295
Injection pressure	bar	2351	1800	1422	2114	1670	1353	2074	1680	1388	2045	1690	1420
Injection speed	mm/s	120	120	120	105	105	105	110	110	110	106	106	106
Injection rate	cm^3/s	462	603	763	528	668	825	700	864	1045	833	1007	1199
Screw speed	r/min	190			165			135			125		
Plasticizing capacity (PS)	-*	65.6	94.7	130.8	67.3	92.9	114.8	92.9	114.8	155.0	106.3	143.5	207.3
Heating zones	-	6			6			7			7		
Nozzle contact force	-*	82			129			129			166		
GENERAL													
Max. system pressure	bar	240			240			240			240		
Pump power	kW	68.3			75.4			92.7			119.4		
Heating power	kW	39			48			54			83		
Machine size	m	7.4 × 2.8 × 2.7			7.6 × 2.8 × 2.7			7.8 × 2.8 × 2.7			8 × 2.8 × 2.8		
Machine weight	t	32			34			35			37		
Oil tank capacity	L	850			980			1300			1700		

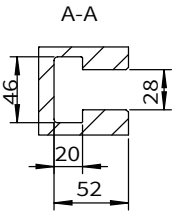
- Unit not specified or not applicable in the supplied model data.
* Plasticizing capacity and nozzle contact force: units to be confirmed.
Final dimensions depend on the selected clamping / injection combination.

Platen and mold-space drawings

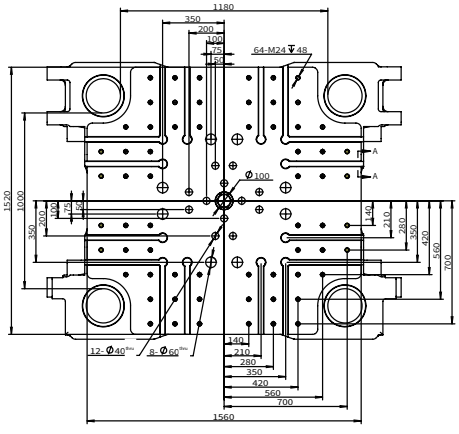
DP900

DP900 Fixed mold Platen

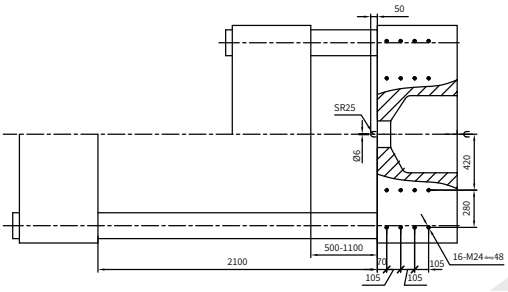




DP900 Moving mold Platen



DP900 Mold Height Size Figure



Confirm the final platen drawing for the selected model.

Technical specifications

DP1100 / Injection-unit configurations

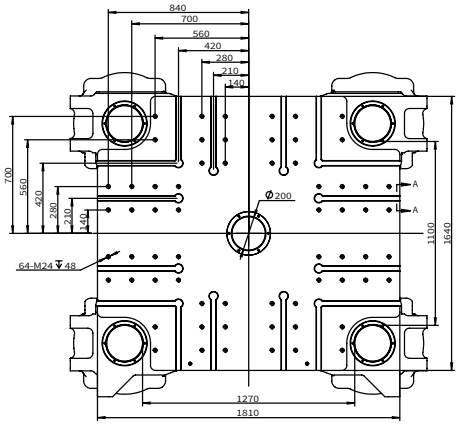
Parameter	Unit	DP1100											
CLAMPING UNIT													
Clamping force	-	11000											
Tie-bar spacing (H × V)	-	1270 × 1100											
Max. mold height	-	1250											
Min. mold height	-	550											
Ejector stroke	-	350											
Ejector force	-	230											
Max. daylight	-	2550											
Max. opening stroke	-	2000											
Max. mold weight	-	16											
INJECTION UNIT													
Injection unit	-	**SP4700**			**SP6500**			**SP9700**			**SP12600**		
Nominal injection capacity	-	4781			6597			9717			12615		
Screw diameter	mm	**80**	**90**	**100**	**90**	**100**	**110**	**100**	**110**	**120**	**110**	**120**	**130**
Screw L/D ratio	L/D	24.7	22.0	19.8	24.4	22.0	20.0	24.4	22.0	20.0	22.5	23.0	21.2
Injection volume	cm^3	2262	2863	3534	3181	3927	4752	4752	5750	6842	6272	7464	8760
Shot weight (PS)	g	2081	2634	3252	2926	3613	4372	4372	5290	6295	5770	6867	8060
Injection pressure	bar	2114	1670	1353	2074	1680	1388	2045	1690	1420	2011	1690	1440
Injection speed	mm/s	105	105	105	110	110	110	106	106	106	90	90	90
Injection rate	cm^3/s	528	668	825	700	864	1045	833	1007	1199	855	1018	1195
Screw speed	r/min	165			135			125			115		
Plasticizing capacity (PS)	-*	82.0	113.6	140.3	92.9	114.8	155.0	106.3	143.5	207.3	132.1	190.7	220.4
Heating zones	-	7			7			7			7		
Nozzle contact force	-*	129			129			166			166		
GENERAL													
Max. system pressure	bar	240			240			240			240		
Pump power	kW	75.4			92.7			119.4			166.6		
Heating power	kW	48			54			83			104		
Machine size	m	9.4 × 3.2 × 2.8			9.6 × 3.2 × 2.8			9.8 × 3.2 × 2.8			10 × 3.2 × 2.9		
Machine weight	t	40			41			42			44		
Oil tank capacity	L	980			1300			1700			2300		

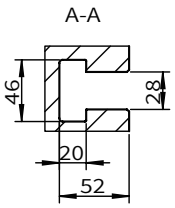
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Final dimensions depend on the selected clamping / injection combination.

Platen and mold-space drawings

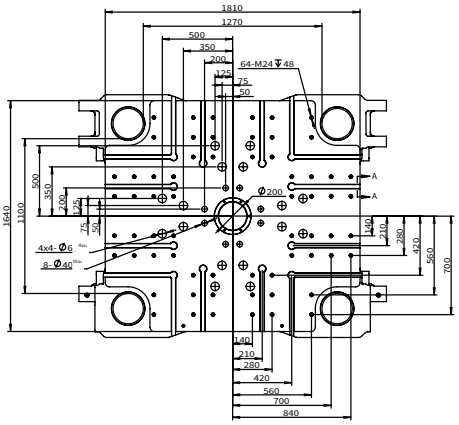
DP1100

DP1100 Fixed mold Platen

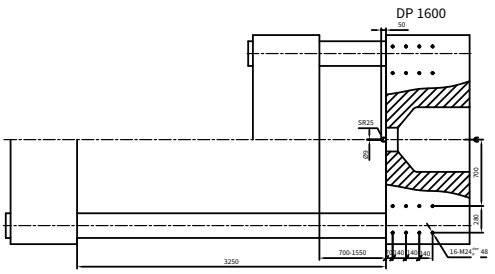




DP1100 Moving mold Platen



DP1100 Mold Height Size Figure



Confirm the final platen drawing for the selected model.

Technical specifications

DP1300 / Injection-unit configurations

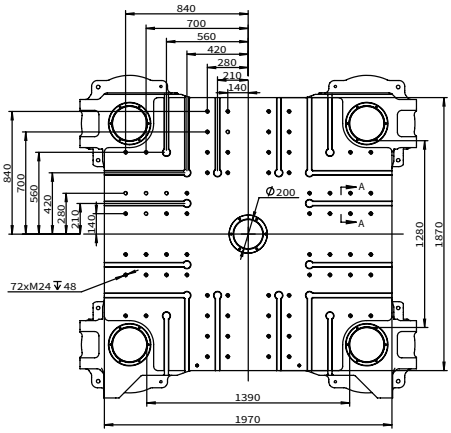
Parameter	Unit	DP1300											
CLAMPING UNIT													
Clamping force	-	13000											
Tie-bar spacing (H × V)	-	1390 × 1280											
Max. mold height	-	1350											
Min. mold height	-	600											
Ejector stroke	-	350											
Ejector force	-	230											
Max. daylight	-	2850											
Max. opening stroke	-	2250											
Max. mold weight	-	23											
INJECTION UNIT													
Injection unit	-	**SP6500**			**SP9700**			**SP12600**			**SP19300**		
Nominal injection capacity	-	6597			9717			12615			19321		
Screw diameter	mm	**90**	**100**	**110**	**100**	**110**	**120**	**110**	**120**	**130**	**130**	**140**	**150**
Screw L/D ratio	L/D	24.4	22.0	20.0	24.4	22.0	20.0	22.5	23.0	21.2	24.7	23.0	21.4
Injection volume	cm^3	3181	3927	4752	4752	5750	6842	6272	7464	8760	10220	11853	13607
Shot weight (PS)	g	2926	3613	4372	4372	5290	6295	5770	6867	8060	9403	10905	12518
Injection pressure	bar	2074	1680	1388	2045	1690	1420	2011	1690	1440	1890	1630	1420
Injection speed	mm/s	110	110	110	106	106	106	90	90	90	90	90	90
Injection rate	cm^3/s	700	864	1045	833	1007	1199	855	1018	1195	1195	1385	1590
Screw speed	r/min	135			125			115			101		
Plasticizing capacity (PS)	-*	92.9	114.8	155.0	106.3	143.5	207.3	132.1	190.7	220.4	193.6	231.5	309.4
Heating zones	-	7			7			7			7		
Nozzle contact force	-*	129			166			166			166		
GENERAL													
Max. system pressure	bar	240			240			240			240		
Pump power	kW	92.7			119.4			166.6			183.9		
Heating power	kW	54			83			104			116		
Machine size	m	11.8 × 3.4 × 3.2			11.8 × 3.1 × 3			13 × 3.4 × 3.2			14 × 3.4 × 3.3		
Machine weight	t	51			53			55			57		
Oil tank capacity	L	1300			1700			2300			2500		

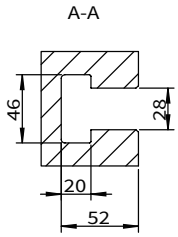
- Unit not specified or not applicable in the supplied model data.
* Plasticizing capacity and nozzle contact force: units to be confirmed.
Final dimensions depend on the selected clamping / injection combination.

Platen and mold-space drawings

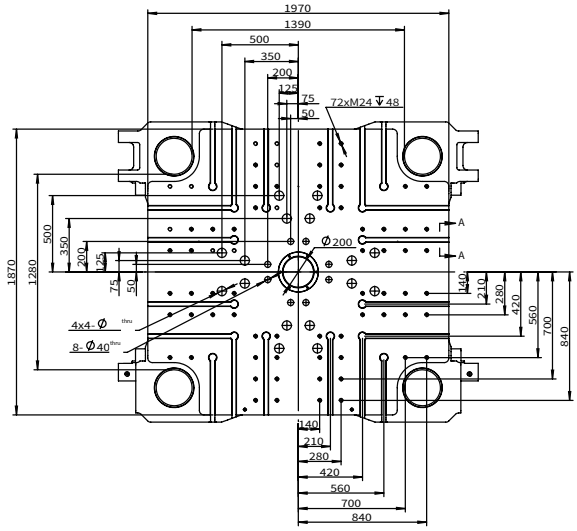
DP1300

DP1300 Fixed mold Platen

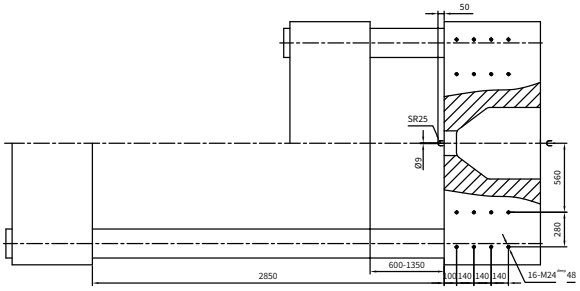




DP1300 Moving mold Platen



DP1300 Mold Height Size Figure



Confirm the final platen drawing for the selected model.

Technical specifications

DP1600 / Injection-unit configurations

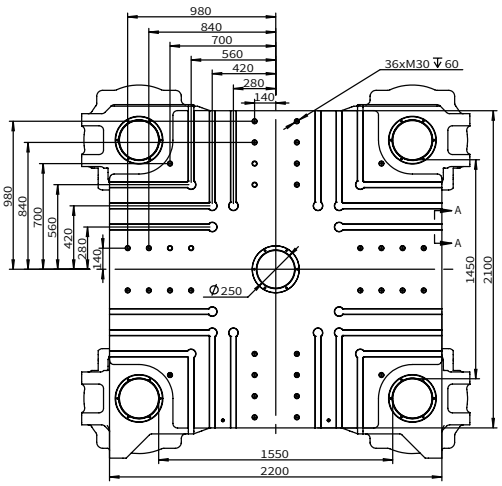
Parameter	Unit	DP1600											
CLAMPING UNIT													
Clamping force	-	16000											
Tie-bar spacing (H × V)	-	1550 × 1450											
Max. mold height	-	1550											
Min. mold height	-	700											
Ejector stroke	-	400											
Ejector force	-	330											
Max. daylight	-	3250											
Max. opening stroke	-	2550											
Max. mold weight	-	33											
INJECTION UNIT													
Injection unit	-	**SP9700**			**SP12600**			**SP19300**			**SP26000**		
Nominal injection capacity	-	9717			12615			19321			26083		
Screw diameter	mm	**100**	**110**	**120**	**110**	**120**	**130**	**130**	**140**	**150**	**140**	**150**	**165**
Screw L/D ratio	L/D	24.4	22.0	20.0	22.5	23.0	21.2	24.7	23.0	21.4	24.6	23.0	20.9
Injection volume	cm^3	4752	5750	6842	6272	7464	8760	10220	11853	13607	13854	15904	19244
Shot weight (PS)	g	4372	5290	6295	5770	6867	8060	9403	10905	12518	12746	14632	17705
Injection pressure	bar	2045	1690	1420	2011	1690	1440	1890	1630	1420	1883	1640	1355
Injection speed	mm/s	106	106	106	90	90	90	90	90	90	90	90	90
Injection rate	cm^3/s	833	1007	1199	855	1018	1195	1195	1385	1590	1385	1590	1924
Screw speed	r/min	125			115			101			89		
Plasticizing capacity (PS)	-*	106.3	143.5	207.3	132.1	190.7	220.4	193.6	231.5	309.4	204.0	272.6	325.6
Heating zones	-	7			7			7			8		
Nozzle contact force	-*	166			166			166			166		
GENERAL													
Max. system pressure	bar	240			240			240			240		
Pump power	kW	119.4			166.6			183.9			183.9		
Heating power	kW	83			104			116			133		
Machine size	m	12.5 × 4 × 3.1			13 × 4 × 3.1			13.5 × 4 × 3.1			14 × 4 × 3.3		
Machine weight	t	71			73			75			77		
Oil tank capacity	L	1700			2300			2500			2500		

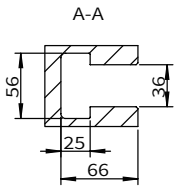
- Unit not specified or not applicable in the supplied model data.
* Plasticizing capacity and nozzle contact force: units to be confirmed.
Final dimensions depend on the selected clamping / injection combination.

Platen and mold-space drawings

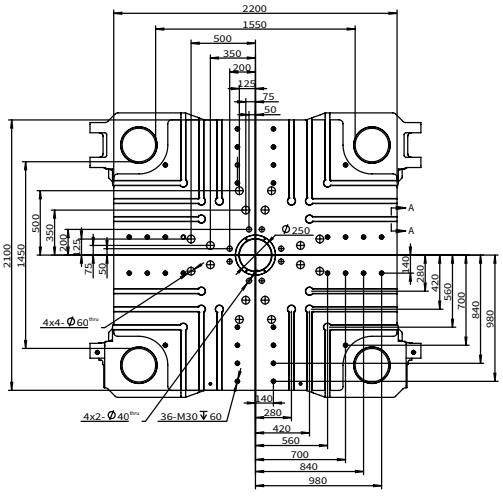
DP1600

DP1600 Fixed mold Platen

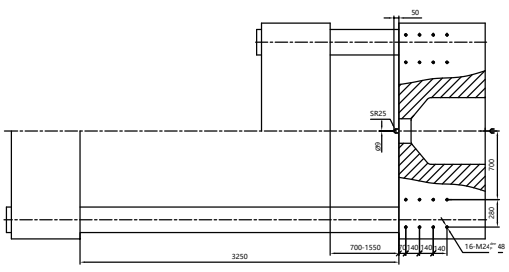




DP1600 Moving mold Platen



DP1600 Mold Height Size Figure



Confirm the final platen drawing for the selected model.

Technical specifications

DP1850 / Injection-unit configurations

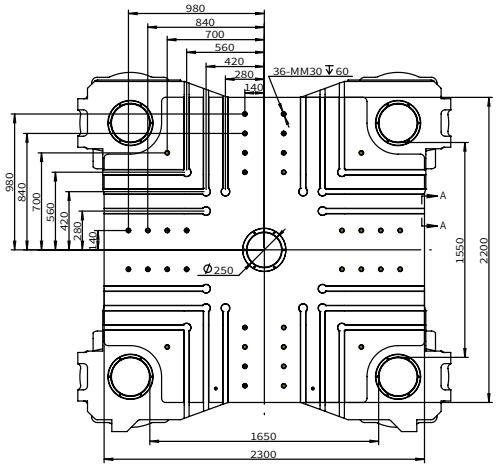
Parameter	Unit	DP1850											
CLAMPING UNIT													
Clamping force	-	18500											
Tie-bar spacing (H × V)	-	1650 × 1550											
Max. mold height	-	1600											
Min. mold height	-	750											
Ejector stroke	-	450											
Ejector force	-	450											
Max. daylight	-	3400											
Max. opening stroke	-	2650											
Max. mold weight	-	40											
INJECTION UNIT													
Injection unit	-	**SP12600**			**SP19300**			**SP26000**			**SP32800**		
Nominal injection capacity	-	12615			19321			26083			32811		
Screw diameter	mm	**110**	**120**	**130**	**130**	**140**	**150**	**140**	**150**	**165**	**150**	**165**	**180**
Screw L/D ratio	L/D	22.5	23.0	21.2	24.7	23.0	21.4	24.6	23.0	20.9	25.3	23.0	21.1
Injection volume	cm^3	6272	7464	8760	10220	11853	13607	13854	15904	19244	17495	21169	25192
Shot weight (PS)	g	5770	6867	8060	9403	10905	12518	12746	14632	17705	16095	19475	23177
Injection pressure	bar	2011	1690	1440	1890	1630	1420	1883	1640	1355	1876	1550	1302
Injection speed	mm/s	90	90	90	90	90	90	90	90	90	87	87	87
Injection rate	cm^3/s	855	1018	1195	1195	1385	1590	1385	1590	1924	1537	1860	2214
Screw speed	r/min	115			101			89			83		
Plasticizing capacity (PS)	-*	132.1	190.7	220.4	193.6	231.5	309.4	204.0	272.6	325.6	254.3	303.6	388.4
Heating zones	-	7			7			8			8		
Nozzle contact force	-*	166			166			166			241		
GENERAL													
Max. system pressure	bar	240			240			240			240		
Pump power	kW	166.6			183.9			183.9			210.6		
Heating power	kW	104			116			133			174		
Machine size	m	12.9 × 3.9 × 4.5			13.2 × 3.9 × 4.5			13.5 × 3.9 × 4.6			13.8 × 3.9 × 4.7		
Machine weight	t	85			87			89			91		
Oil tank capacity	L	2300			2500			2500			3000		

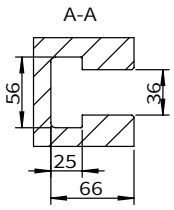
- Unit not specified or not applicable in the supplied model data.
* Plasticizing capacity and nozzle contact force: units to be confirmed.
Final dimensions depend on the selected clamping / injection combination.

Platen and mold-space drawings

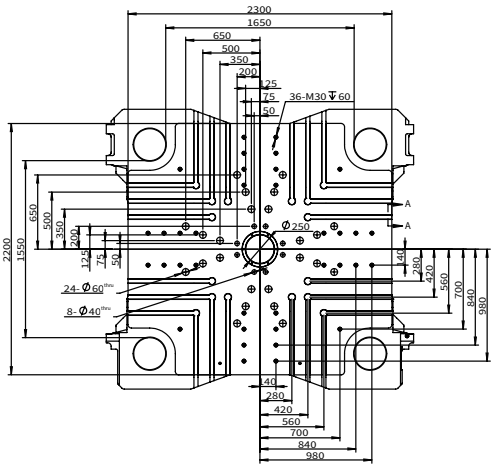
DP1850

50 Fixed mold Platen

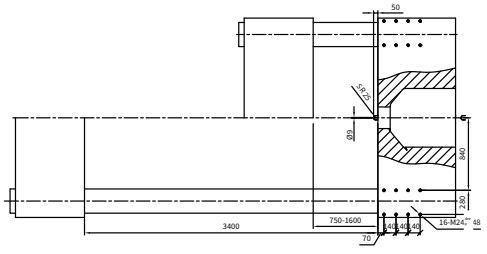




1850 Moving mold Platen



DP1850 Mold Height Size Figure



Confirm the final platen drawing for the selected model.

Technical specifications

DP2100 / Injection-unit configurations

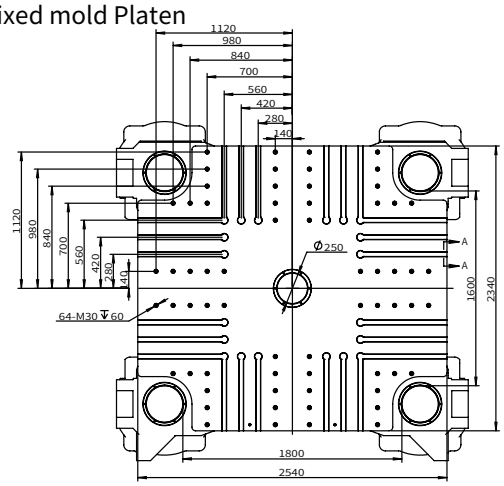
Parameter	Unit	DP2100											
CLAMPING UNIT													
Clamping force	-	21000											
Tie-bar spacing (H × V)	-	1800 × 1600											
Max. mold height	-	1700											
Min. mold height	-	800											
Ejector stroke	-	450											
Ejector force	-	450											
Max. daylight	-	3600											
Max. opening stroke	-	2800											
Max. mold weight	-	50											
INJECTION UNIT													
Injection unit	-	**SP19300**			**SP26000**			**SP32800**			**SP40600**		
Nominal injection capacity	-	19321			26083			32811			40674		
Screw diameter	mm	**130**	**140**	**150**	**150**	**150**	**165**	**150**	**165**	**180**	**165**	**180**	**200**
Screw L/D ratio	L/D	24.7	23.0	21.4	24.6	23.0	20.9	25.3	23.0	21.1	25.1	23.0	20.7
Injection volume	cm^3	10220	11853	13607	13854	15904	19244	17495	21169	25192	23093	27483	33929
Shot weight (PS)	g	9403	10905	12518	12746	14632	17705	16095	19475	23177	21246	25284	31215
Injection pressure	bar	1890	1630	1420	1883	1640	1355	1876	1550	1302	1761	1480	1199
Injection speed	mm/s	90	90	90	90	90	90	87	87	87	86	86	86
Injection rate	cm^3/s	1195	1385	1590	1385	1590	1924	1537	1860	2214	1839	2188	2702
Screw speed	r/min	101			89			83			75		
Plasticizing capacity (PS)	-*	193.6	231.5	309.4	204.0	272.6	325.6	254.3	303.6	388.4	274.4	351.0	472.6
Heating zones	-	7			8			8			8		
Nozzle contact force	-*	166			166			241			241		
GENERAL													
Max. system pressure	bar	240			240			240			240		
Pump power	kW	183.9			183.9			210.6			245		
Heating power	kW	116			133			174			210		
Machine size	m	14.5 × 4.2 × 4.4			15.5 × 4.2 × 4.4			16.5 × 4.2 × 4.5			13.5 × 4.2 × 4.6		
Machine weight	t	97			99			101			103		
Oil tank capacity	L	2500			2500			3000			3500		

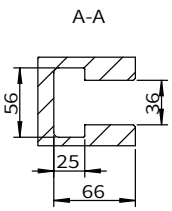
- Unit not specified or not applicable in the supplied model data.
* Plasticizing capacity and nozzle contact force: units to be confirmed.
Final dimensions depend on the selected clamping / injection combination.

Platen and mold-space drawings

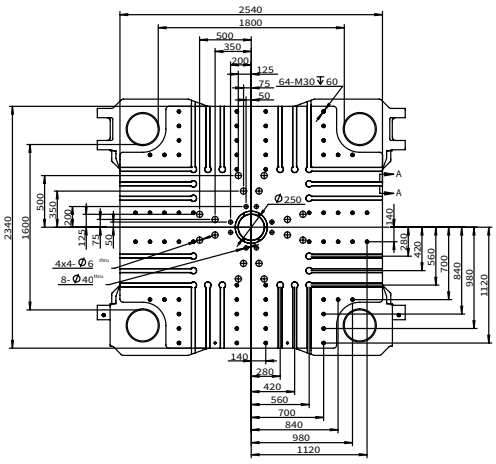
DP2100

DP2100 Fixed mold Platen

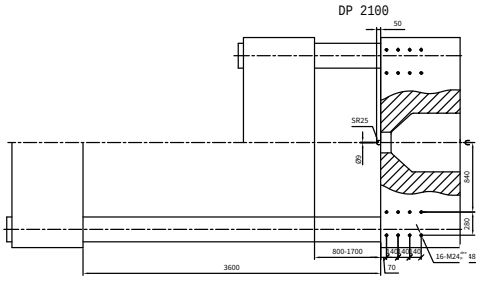




DP2100 Moving mold Platen



DP2100 Mold Height Size Figure



Confirm the final platen drawing for the selected model.

Technical specifications

DP2400 / Injection-unit configurations

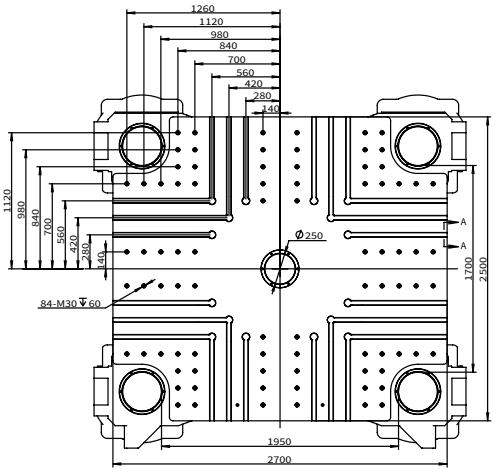
Parameter	Unit	DP2400											
CLAMPING UNIT													
Clamping force	-	24000											
Tie-bar spacing (H × V)	-	1950 × 1700											
Max. mold height	-	1800											
Min. mold height	-	850											
Ejector stroke	-	500											
Ejector force	-	450											
Max. daylight	-	3800											
Max. opening stroke	-	2950											
Max. mold weight	-	60											
INJECTION UNIT													
Injection unit	-	**SP26000**			**SP32800**			**SP40600**			**SP52700**		
Nominal injection capacity	-	26083			32811			40674			52779		
Screw diameter	mm	**140**	**150**	**165**	**150**	**165**	**180**	**165**	**180**	**200**	**180**	**200**	**220**
Screw L/D ratio	L/D	24.6	23.0	20.9	25.3	23.0	21.1	25.1	23.0	20.7	25.5	23.0	20.9
Injection volume	cm^3	13854	15904	19244	17495	21169	25192	23093	27483	33929	30536	37699	45616
Shot weight (PS)	g	12746	14632	17705	16095	19475	23177	21246	25284	31215	28093	34683	41967
Injection pressure	bar	1883	1640	1355	1876	1550	1302	1761	1480	1199	1728	1400	1157
Injection speed	mm/s	90	90	90	87	87	87	86	86	86	74	74	74
Injection rate	cm^3/s	1385	1590	1924	1537	1860	2214	1839	2188	2702	1883	2325	2813
Screw speed	r/min	89			83			75			66		
Plasticizing capacity (PS)	-*	204.0	272.6	325.6	254.3	303.6	388.4	274.4	351.0	472.6	308.9	415.9	579..5
Heating zones	-	8			8			8			9		
Nozzle contact force	-*	166			241			241			241		
GENERAL													
Max. system pressure	bar	240			240			240			240		
Pump power	kW	183.9			210.6			245			276.6		
Heating power	kW	133			174			210			220		
Machine size	m	16 × 4.5 × 4.5			17 × 4.5 × 4.5			15.5 × 4.5 × 4.5			16.2 × 4.5 × 4.5		
Machine weight	t	123			125			127			129		
Oil tank capacity	L	2500			3000			3500			4000		

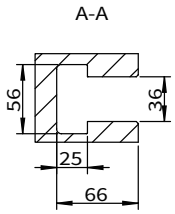
- Unit not specified or not applicable in the supplied model data.
* Plasticizing capacity and nozzle contact force: units to be confirmed.
Final dimensions depend on the selected clamping / injection combination.

Platen and mold-space drawings

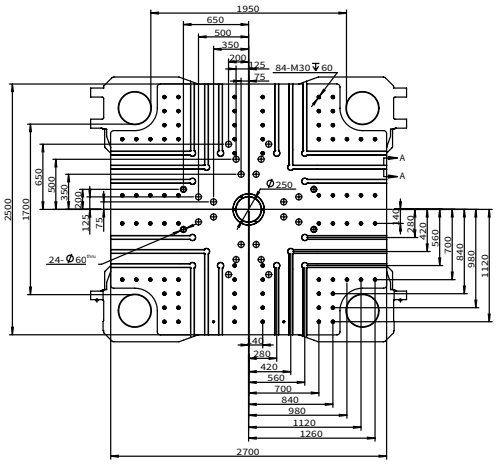
DP2400

DP2400 Fixed mold Platen

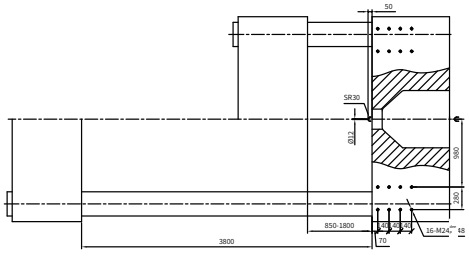




DP2400 Moving mold Platen



DP2400 Mold Height Size Figure



Confirm the final platen drawing for the selected model.

Technical specifications

DP2800 / Injection-unit configurations

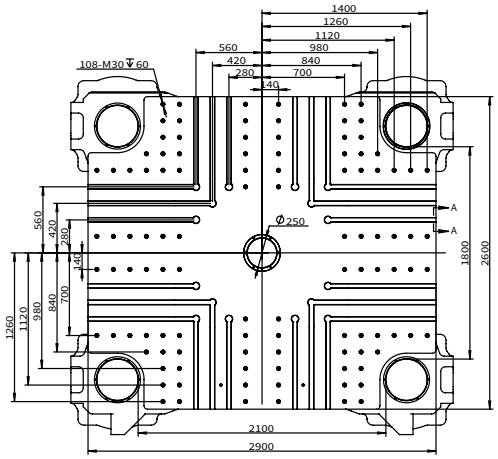
Parameter	Unit	DP2800											
CLAMPING UNIT													
Clamping force	-	28000											
Tie-bar spacing (H × V)	-	2100 × 1800											
Max. mold height	-	2000											
Min. mold height	-	900											
Ejector stroke	-	500											
Ejector force	-	450											
Max. daylight	-	4100											
Max. opening stroke	-	3200											
Max. mold weight	-	70											
INJECTION UNIT													
Injection unit	-	**SP32800**			**SP40600**			**SP52700**			**SP72200**		
Nominal injection capacity	-	32811			40674			52779			72256		
Screw diameter	mm	**150**	**165**	**180**	**165**	**180**	**200**	**180**	**200**	**220**	**200**	**220**	**240**
Screw L/D ratio	L/D	25.3	23.0	21.1	25.1	23.0	20.7	25.5	23.0	20.9	25.3	23.0	21.0
Injection volume	cm^3	17495	21169	25192	23093	27483	33929	30536	37699	45616	41469	50178	59715
Shot weight (PS)	g	16095	19475	23177	21246	25284	31215	28093	34683	41967	38152	46163	54938
Injection pressure	bar	1876	1550	1302	1761	1480	1199	1790	1450	1198	1730	1430	1202
Injection speed	mm/s	87	87	87	86	86	86	74	74	74	61	61	61
Injection rate	cm^3/s	1537	1860	2214	1839	2188	2702	1883	2325	2813	1916	2319	2760
Screw speed	r/min	83			75			66			58		
Plasticizing capacity (PS)	-*	254.3	303.6	388.4	274.4	351.0	472.6	308.9	415.9	579.5	365.5	509.2	599.3
Heating zones	-	8			8			9			9		
Nozzle contact force	-*	241			241			241			377		
GENERAL													
Max. system pressure	bar	240			240			240			240		
Pump power	kW	210.6			245			276.6			276.6		
Heating power	kW	174			210			220			223		
Machine size	m	15 × 4.8 × 4.4			15.6 × 4.8 × 4.4			16.2 × 4.8 × 4.4			16.8 × 4.8 × 4.4		
Machine weight	t	144			146			148			150		
Oil tank capacity	L	3000			3500			4000			4000		

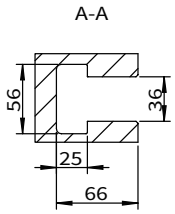
- Unit not specified or not applicable in the supplied model data.
* Plasticizing capacity and nozzle contact force: units to be confirmed.
Final dimensions depend on the selected clamping / injection combination.

Platen and mold-space drawings

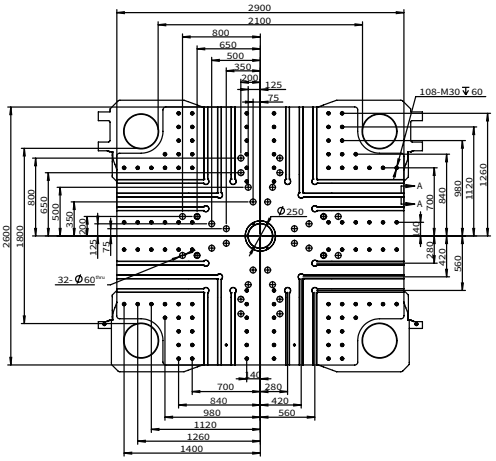
DP2800

DP2800 Fixed mold Platen

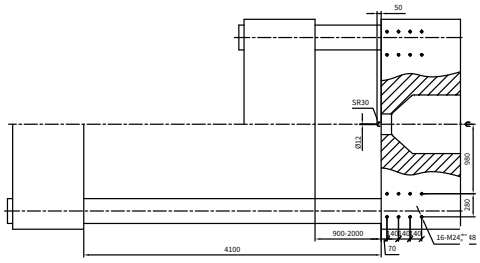




DP2800 Moving mold Platen



DP2800 Mold Height Size Figure



Confirm the final platen drawing for the selected model.

Technical specifications

DP3300 / Injection-unit configurations

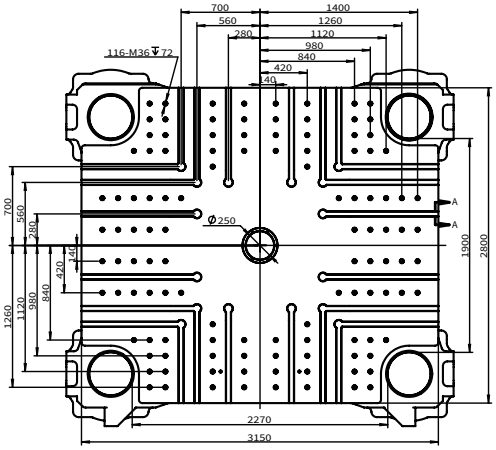
Parameter	Unit	DP3300											
CLAMPING UNIT													
Clamping force	-	33000											
Tie-bar spacing (H × V)	-	2270 × 1900											
Max. mold height	-	2000											
Min. mold height	-	950											
Ejector stroke	-	550											
Ejector force	-	580											
Max. daylight	-	4300											
Max. opening stroke	-	3350											
Max. mold weight	-	75											
INJECTION UNIT													
Injection unit	-	**SP40600**			**SP52700**			**SP72200**			**SP92500**		
Nominal injection capacity	-	40674			52779			72256			92505		
Screw diameter	mm	**165**	**180**	**200**	**180**	**200**	**220**	**200**	**220**	**240**	**220**	**240**	**260**
Screw L/D ratio	L/D	25.1	23.0	20.7	25.5	23.0	20.9	25.3	23.0	21.0	25.1	23.0	21.2
Injection volume	cm^3	23093	27483	33929	30536	37699	45616	41469	50178	59715	54739	65144	76454
Shot weight (PS)	g	21246	25284	31215	28093	34683	41967	38152	46163	54938	50360	59933	70337
Injection pressure	bar	1761	1480	1199	1790	1450	1198	1730	1430	1202	1690	1420	1210
Injection speed	mm/s	86	86	86	74	74	74	61	61	61	50	50	50
Injection rate	cm^3/s	1839	2188	2702	1883	2325	2813	1916	2319	2760	1901	2262	2655
Screw speed	r/min	75			66			58			46		
Plasticizing capacity (PS)	-*	274.4	351.0	472.6	308.9	415.9	579.5	365.5	509.2	599.3	403.9	475.3	552.0
Heating zones	-	8			9			9			9		
Nozzle contact force	-*	241			241			377			377		
GENERAL													
Max. system pressure	bar	240			240			240			240		
Pump power	kW	245			276.6			276.6			276.6		
Heating power	kW	210			220			223			290		
Machine size	m	16 × 5.1 × 4.5			16.8 × 5.1 × 4.5			17.2 × 5.1 × 4.5			17.7 × 5.3 × 4.6		
Machine weight	t	178			180			183			185		
Oil tank capacity	L	3500			4000			4000			4000		

- Unit not specified or not applicable in the supplied model data.
* Plasticizing capacity and nozzle contact force: units to be confirmed.
Final dimensions depend on the selected clamping / injection combination.

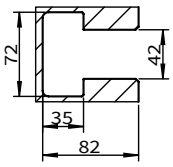
Platen and mold-space drawings

DP3300

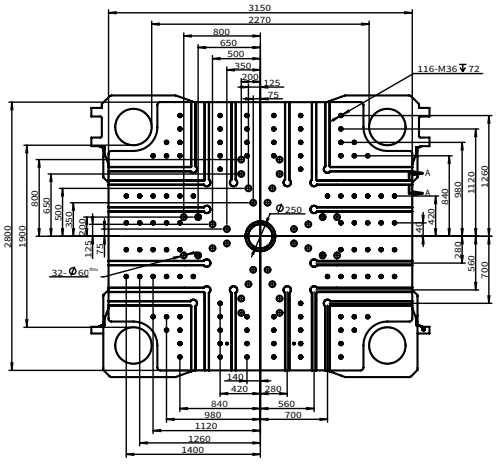
DP3300 Fixed mold Platen



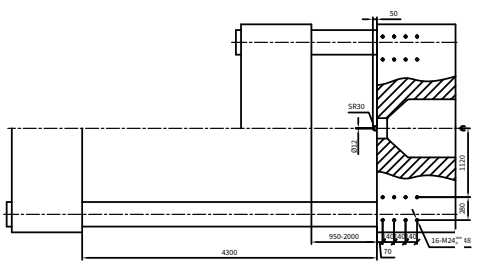
A-A



DP3300 Moving mold Platen



DP3300 Mold Height Size Figure



Confirm the final platen drawing for the selected model.

Technical specifications

DP4000 / Injection-unit configurations

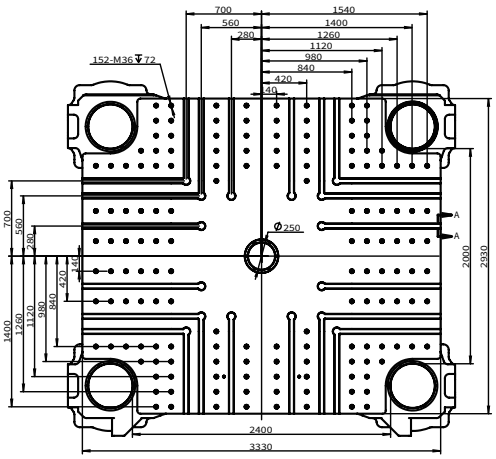
Parameter	Unit	DP4000								
CLAMPING UNIT										
Clamping force	-	40000								
Tie-bar spacing (H × V)	-	2400 × 2000								
Max. mold height	-	2200								
Min. mold height	-	1000								
Ejector stroke	-	550								
Ejector force	-	580								
Max. daylight	-	4500								
Max. opening stroke	-	3500								
Max. mold weight	-	85								
INJECTION UNIT										
Injection unit	-	**SP52700**			**SP72200**			**SP92500**		
Nominal injection capacity	-	52779			72256			92505		
Screw diameter	mm	**180**	**200**	**220**	**200**	**220**	**240**	**220**	**240**	**260**
Screw L/D ratio	L/D	25.5	23.0	20.9	25.3	23.0	21.0	25.1	23.0	21.2
Injection volume	cm^3	30536	37699	45616	41469	50178	59715	54739	65144	76454
Shot weight (PS)	g	28093	34683	41967	38152	46163	54938	50360	59933	70337
Injection pressure	bar	1790	1450	1198	1730	1430	1202	1690	1420	1210
Injection speed	mm/s	74	74	74	61	61	61	50	50	50
Injection rate	cm^3/s	1883	2325	2813	1916	2319	2760	1901	2262	2655
Screw speed	r/min	66			58			46		
Plasticizing capacity (PS)	-*	308.9	415.9	579.5	365.5	509.2	599.3	403.9	475.3	552.0
Heating zones	-	9			9			9		
Nozzle contact force	-*	241			377			377		
GENERAL										
Max. system pressure	bar	240			240			240		
Pump power	kW	276.6			276.6			276.6		
Heating power	kW	220			223			290		
Machine size	m	18.8 × 5.4 × 4.6			19.3 × 5.4 × 4.6			20 × 5.4 × 4.6		
Machine weight	t	219			222			225		
Oil tank capacity	L	4000			4000			4000		

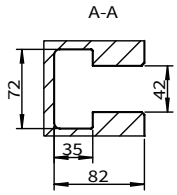
- Unit not specified or not applicable in the supplied model data.
* Plasticizing capacity and nozzle contact force: units to be confirmed.
Final dimensions depend on the selected clamping / injection combination.

Platen and mold-space drawings

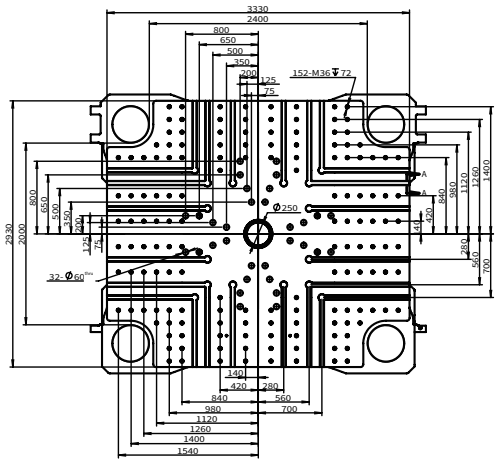
DP4000

DP4000 Fixed mold Platen

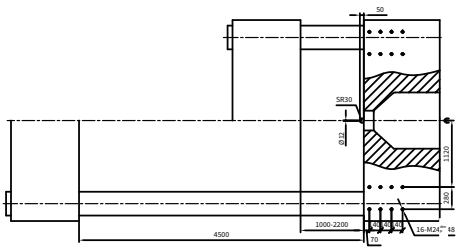




DP4000 Moving mold Platen



DP4000 Mold Height Size Figure



Confirm the final platen drawing for the selected model.

Standard equipment

Injection, clamping, control and hydraulics

Injection unit

01	Prevents screw start while cold
02	Insulated cotton on barrel
03	Support under barrel
04	10-stage speed / pressure control of injection
05	10-stage speed / pressure control of pressure holding
06	Prevents screw reversal
07	5-stage back-pressure control of charging
08	3-stage forward speed / pressure control of injection station
09	3-stage back speed / pressure control of injection station
10	Position / time control of pressure holding
11	Position / time control of injection
12	Injection-position transducer
13	Injection-station-position transducer
14	Injection linear guide
15	Injection-station linear guide
16	Proportional back-pressure control
17	Injection-station time / position control
18	Feeding plate (from DP2100)
19	Injection-protection device
20	Automatic purge function
21	Feeding-mouth temperature control
22	Ceramic heater
23	HPS high-efficiency screw

Hydraulic system

01	Low oil-level alarm
02	Oil-temperature alarm
03	Mold cooling water
04	Hydraulic core-pulling device
05	Independent hydraulic cooling and filtration
06	Solenoid-valve LED indicators (excluding proportional valves)
07	Mold opening synchronized with ejecting or core pulling
08	Hydraulic core pull (according to machine model)

Clamping unit

01	5-stage speed / pressure control of mold opening
02	Mold-protection control
03	Automatic mold-height adjustment
04	Differential mold opening
05	Mold-closing safety interlock (electric / hydraulic)
06	Rear safety door mechanical self-locking
07	Front electric door with crashworthy switch (from DP1000)
08	Standard T-slot platen with threaded holes
09	Safety foot plate in mold zone and rear door
10	EUROMAP 2 mold-fixing ring (moving and fixed platens)
11	3-stage speed / pressure control of ejector
12	Speed / pressure / position control of ejector
13	Ejector return confirmation
14	Moving-platen-position transducer
15	Ejector-position transducer
16	EUROMAP 18 robot mounting interface dimensions
17	Proportional-valve control of mold opening and closing
18	Pull-back center ejector rod

Control system

01	KEBA2000 professional control system from Europe
02	12-inch display
03	3-color alarm light
04	Mold data saved in RAM / USB
05	Single-phase 10 A / three-phase 16 A / 32 A socket
06	Socket electrical-leakage protection
07	Printing interface
08	Servo motor driver
09	GB machine-safety configuration
10	SSR heating control

Standard and optional equipment are model-dependent. Final equipment, interfaces and safety configuration follow the agreed machine specification.

Optional equipment

Injection, hydraulics, clamping, auxiliaries and electrical interfaces

Injection unit

01	Bi-metal screw
02	Bi-metal barrel
03	Fully hardened screw
04	Fully hardened barrel
05	Chrome-plated screw
06	Special screw for transparent materials
07	High color-mixing screw
08	Self-locking nozzle (hydraulic / pneumatic)
09	Proportional injection control
10	Hydraulic / electric charging synchronized with mold opening
11	6 / 8 / 10 / 12 / 16 / 18 / 24-channel sequential injection (hydraulic / pneumatic)
12	Pneumatic sequential injection with accumulator
13	Mold-cavity pressure holding changeover (without sensor)
14	Injection-station safety pressure control
15	Stainless-steel hopper
16	Hopper dryer
17	Autoloader
18	Feeding plate

Hydraulic system

01	Mold cooling-water quick coupling
02	Filter-clogging alarm
03	Oil pre-heating circuit
04	Valve oil-drip tray

Clamping unit and auxiliary equipment

01	High-pressure mold-clamping parallel system
02	8-24-channel hot-runner control (max. 2 kW)
03	Core-pulling overlay check valve
04	Core-pulling quick coupling
05	Core-pull pressure holding (independent pump unit)
06	Core-pulling option
07	Air blast with accumulator
08	Air blast / air valve
09	Ejector check valve
10	Quick removal of center ejector rod (hydraulic / pneumatic)
11	Magnetic mold platen
12	Hydraulic clamping board (with control system)
13	Front electric door + crashworthy switch (DP450-DP900)
14	Oil / water mold-temperature controller
15	Air / water chiller
16	Robot
17	Other accessories

Control system and electrical interfaces

01	KEBA 5000 controller
02	KEBA 8000 controller
03	15-inch display
04	21-inch display
05	EUROMAP 12 robot electrical interface
06	EUROMAP 13 core-pulling electrical interface
07	EUROMAP 14 hot-runner thermocouple electrical interface
08	EUROMAP 62 fluid ejector-pin system electrical interface
09	EUROMAP 67 robot electrical interface
10	EUROMAP 70 magnetic-clamping electrical interface
11	EUROMAP 71 mold-changing-device electrical interface
12	Energy-consumption meter
13	Barrel-heating short-circuit detection
14	Hot-runner short-circuit detection
15	Electrical-cabinet air conditioner
16	Electrical-cabinet LED light
17	Controller UPS (1 kVA)
18	Single-phase 10 A socket (position / quantity option)
19	Three-phase 16 A socket (position / quantity option)
20	Three-phase 32 A socket (position / quantity option)
21	Three-phase 63 A socket (position / quantity option)
22	CE machine-safety configuration
23	SPI machine-safety configuration
24	Image-based mold-protection function

Standard and optional equipment are model-dependent. Final equipment, interfaces and safety configuration follow the agreed machine specification.

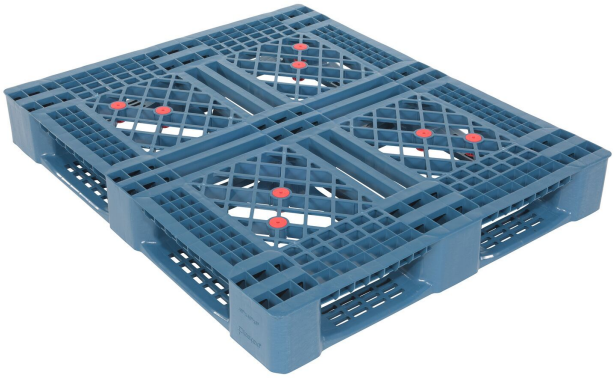
Components and applications

Selected component brands / Representative molded products

SKF	IKO	Schneider Electric	Bucher Hydraulics
Inovance	AirTAC	OPKON	ECKERLE
Phoenix Contact	EATON	Rexroth	NTN
BALLUFF	Trelleborg	HUAYE SCREW	KEBA
Hallite	SCHMERSAL	OMRON	SUNNY

Brand availability and final component selection follow the agreed machine specification.

Representative molded products





Logistics and handling

Pallets

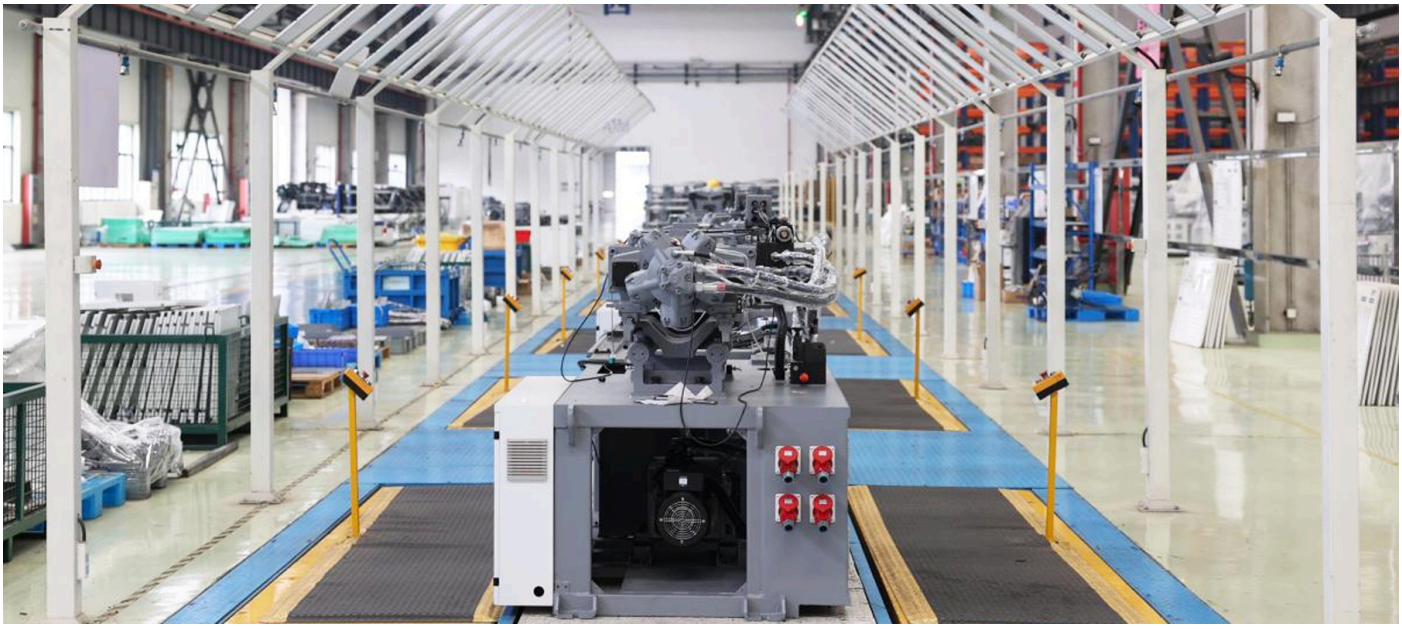
Deep-cavity products

Large containers and waste bins

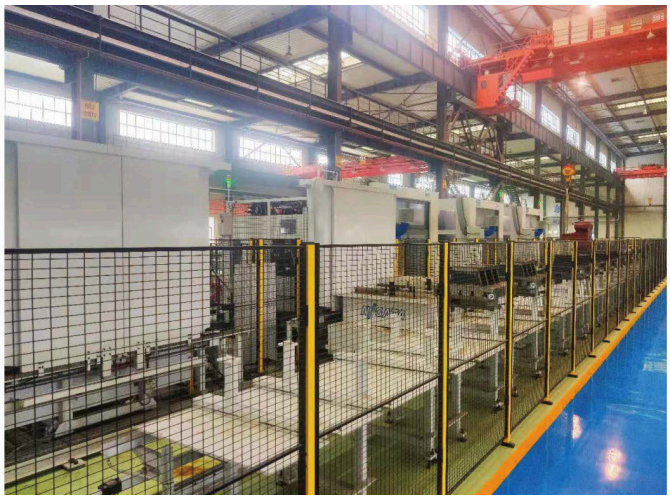
Product images illustrate representative application types.

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Component machining



Machine assembly

Original factory photographs. Earlier brand marks may appear in historical images.

Tell us about your project.

Share the details you have. Let us review your part, mold and production needs.

Complete the fields, save this PDF and email it to sales@soundimm.com.

01 Company and contact

Company / country	
Contact name	
Email / telephone	

02 Part and material

Part / application	
Material / grade	
Part weight / dimensions Weight (g) / dimensions (mm)	

03 Mold and production

Mold dimensions / weight L × W × H (mm) / weight (t)	
Cavities / shot requirement Cavity count / shot weight (g)	
Target output / cycle time State output period / cycle time (s)	
Preferred model / options	
Other requirements	

Useful attachments: part drawing, mold layout, material details and existing production information.

Send your completed brief to sales@soundimm.com

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Final equipment and configuration are subject to the agreed technical specification.