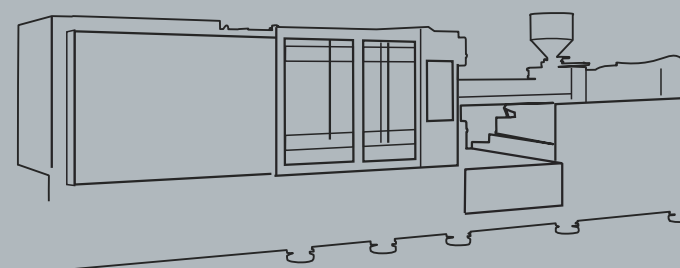




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5G
SERIES

技术参数

Technical Description

500-8,000 kN

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Technical Data LS 50/410...100/470 G 技术参数

Ningbo LiSong Injection Technology Co.,Ltd.		LS 50/410 G		LS 100/470 G	
Model description	型号	50/410-70	50/410-145	100/470-145	100/470-395
Internatioanl size description	国际标准尺寸	500-70	500-145	1000-145	1000-395

Clamping unit	合模装置	
Clamping force	合模力	[KN]
Locking force	锁模力	[KN]
Max.mould opening stroke	最大开模行程	[mm]
Min.mould height	最小模厚	[mm]
Max.mould height	最大模厚	[mm]
Max.daylight	最大模板间距	[mm]
Mould platen(h × v)	模板尺寸 (水平 × 垂直)	[mm]
Distance between tie bars(h × v)	拉杆间距 (水平 × 垂直)	[mm]
Ejection stroke	顶出行程	[mm]
Ejection force	顶出力	[KN]

50/410			100/470		
500			1000		
550			1100		
360			430		
150			180		
400			520		
810			950		
630x590			715x655		
410x370			470x410		
120			140		
49			67		

Injection unit	注射装置	
Screw diameter	螺杆直径	[mm]
Screw geometry	螺杆形状	
L / D ratio	长径比	
Spec.inj.Press. (up to 400 °C)	注射压力 (至 400℃)	[bar]
Max. cylinder head volume	理论注射容积	[cm ³]
Max. shot weight (PS)	最大注射量	[g]
Max. Rate of injection ¹⁾	最大注射速率 ¹⁾	
> without accumulator ²⁾	> 无蓄能器 ²⁾	[cm ³ /s]
> with accumulator	> 加蓄能器	[cm ³ /s]
Injection speed (Under 1000bar injection pressure)	注射速度 (在 1000bar 的注射压力下)	
> without accumulator	> 无蓄能器	[mm/s]
> with accumulator	> 加蓄能器	[mm/s]
Plasticising rate (PS)	塑化率(PS)	
> motor 1 (120bar) ²⁾	> 马达 1 (120bar) ²⁾	[g/s]
Max. screw stroke	最大螺杆行程	[mm]
Max. nozzle dipping depth(SVO)	最大喷嘴伸出模板长度(SVO)	[mm]
Nozzle sealing force	喷嘴接触力	[kN]
Number of heating zones	加热段数量	
Hopper capacity ⁴⁾	料斗容积 ⁴⁾	[ltr.]

70			145			145			395		
18	20	22	22	25	28	22	25	28	28	32	36
standard 标准			standard 标准			standard 标准			standard 标准		
22	22	22	22	22	22	22	22	22	22	22	22
3443	2789	2305	3471	2688	2143	3471	2688	2143	3393	2598	2052
20	25	30	42	54	68	42	54	68	92	153	193
18	23	27	38	49	62	38	49	62	84	139	176
107	132	159	135	174	218	168	217	272	215	281	355
254	314	380	380	491	616	380	491	616	616	804	1018
419	419	419	354	354	354	442	442	442	349	349	349
1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
6	10	17	9	16	26	9	16	26	15	25	34
80	80	80	110	110	110	110	110	110	150	190	190
50			50			50			50		
60			60			60			60		
4			4			4			4		
35			35			35			35		

General data	综合数据	
Oil tank capacity	油箱容量	[ltr.]
Installed electrical rating	额定电气功率	
> pump ²⁾	> 油泵 ²⁾	[≈kW]
> heating capacity of screw cylinder	> 料筒加热功率	[≈kW]
> capacity with electr drive ²⁾	> 电器总功率 ²⁾	[kW]
Net weight (without oil) ⁵⁾	机器净重 (不含油) ⁵⁾	[≈kg]
Machine dimensions(l × w × h)	机器尺寸 (l × w × h)	[≈ m]

50/410-70			50/410-145			100/470-145			100/470-395		
220			220			320			320		
25.5	25.5	25.5	29	29	29	36	36	36	42.5	42.5	42.5
3.2	3.5	3.8	3.8	4.7	5.2	3.8	4.7	5.2	5.2	7	7.7
29	29	29	33	34	34	40	41	41	48	50	50
3300			3310			4300			4500		
3.7x1.3x1.8			3.8x1.3x1.8			4.3x1.45x1.9			4.5x1.45x1.9		

The shown specifications reflect the state at the time of printing. We reserve the right to modify specifications.

Plasticising rate depends on processing conditions and material employed.

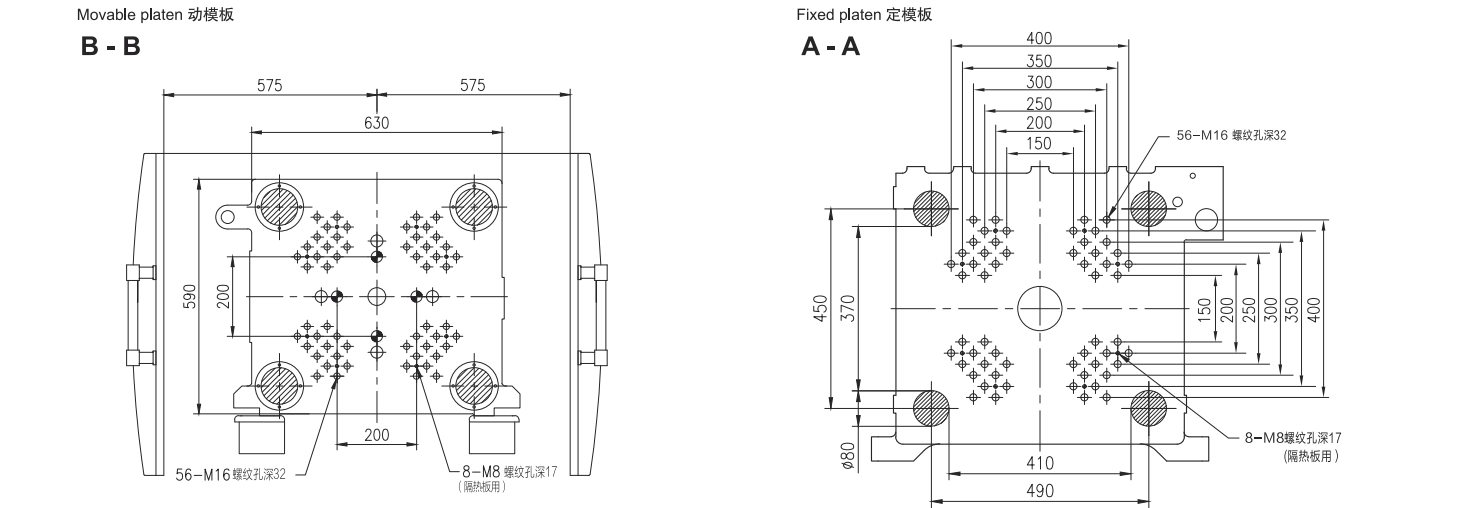
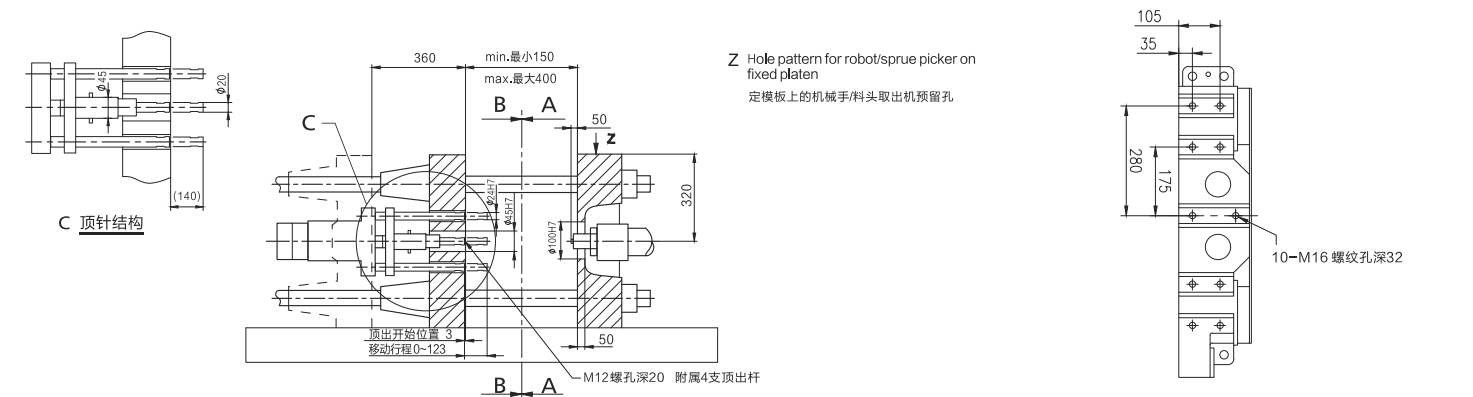
Electrical power supply refers to the standard configuration of the machine.

本页参数为印刷前取得的数据。我们保留修改参数的权利。

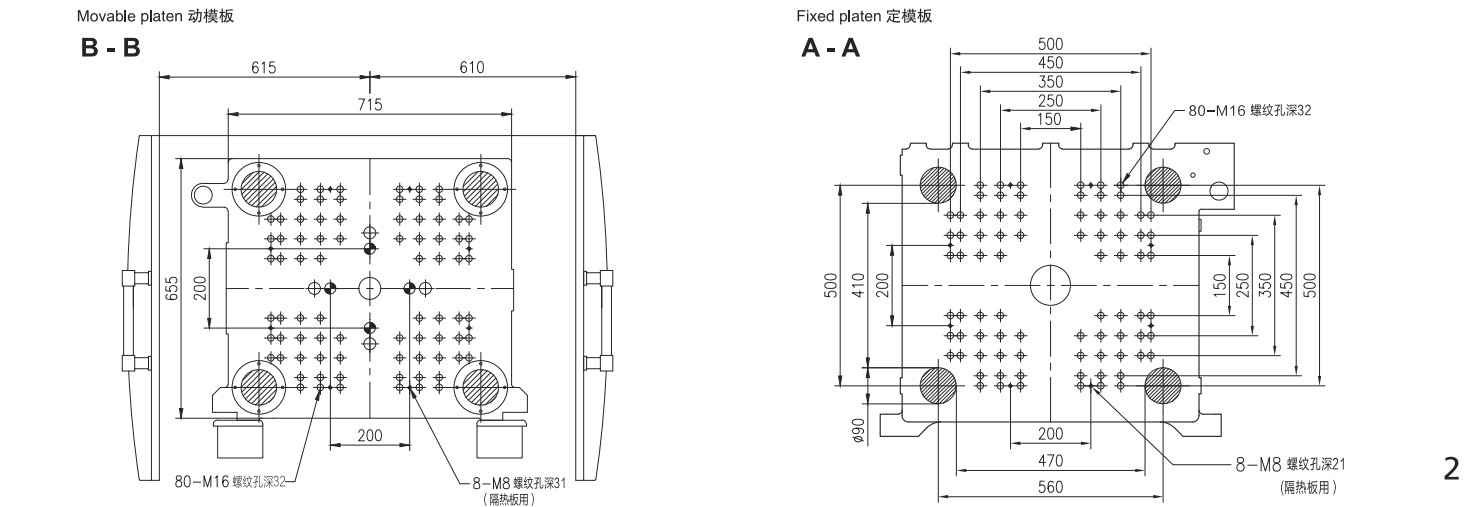
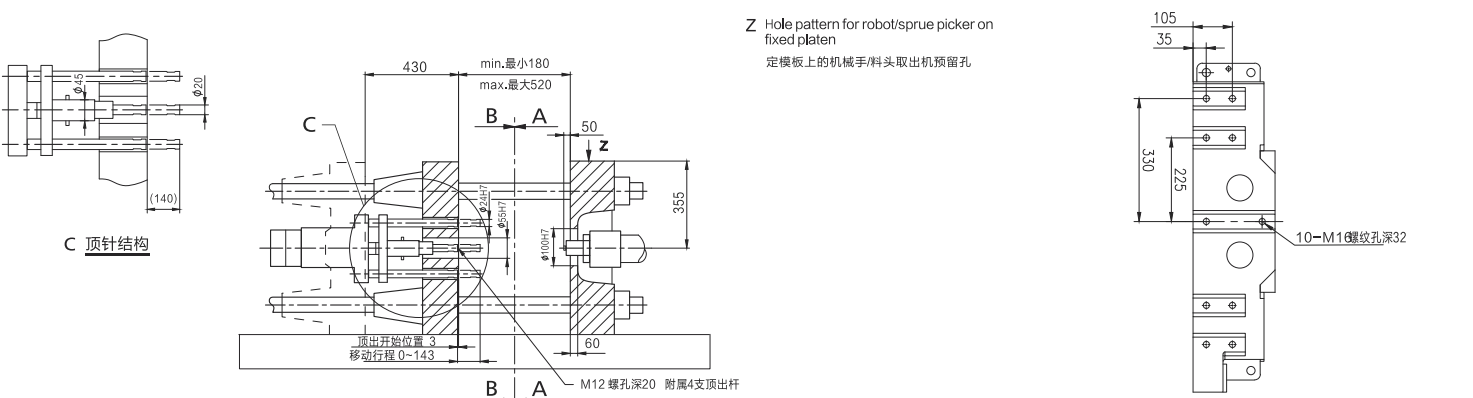
塑化率取决于工艺情况和所用材料。

电源可参考机器标准配置。

Technical Data LS 50/410 G 模板尺寸



Technical Data LS 100/470 G 模板尺寸



Technical Data LS 160/530 G 技术参数

Ningbo LiSong Injection Technology Co.,Ltd.			LS 160/530 G			
Model description	型号		160/530-280	160/530-360	160/530-500	160/530-655
International size description	国际标准尺寸		1600-280	1600-360	1600-500	1600-655
Clamping unit	合模装置		160/530			
Clamping force	合模力	[KN]	1600			
Locking force	锁模力	[KN]	1760			
Max.mould opening stroke	最大开模行程	[mm]	500			
Min.mould height	最小模厚	[mm]	200			
Max.mould height	最大模厚	[mm]	550			
Max.daylight	最大模板间距	[mm]	1050			
Mould platen(h×v)	模板尺寸 (水平 × 垂直)	[mm]	800x740			
Distance between tie bars(h×v)	拉杆间距 (水平 × 垂直)	[mm]	530x470			
Ejection stroke	顶出行程	[mm]	150			
Ejection force	顶出力	[KN]	67			

Injection unit	注射装置	
Screw diameter	螺杆直径	[mm]
Screw geometry	螺杆形状	
L / D ratio	长径比	
Spec.inj.Press. (up to 400 °C)	注射压力 (至 400℃)	[bar]
Max. cylinder head volume	理论注射容积	[cm³]
Max. shot weight (PS)	最大注射量	[g]
Max. Rate of injection ¹⁾	最大注射速率 ¹⁾	
> without accumulator ²⁾	> 无蓄能器 ²⁾	[cm³/s]
> with accumulator	> 加蓄能器	[cm³/s]
Injection speed (Under 1000bar injection pressure)	注射速度 (在 1000bar 的注射压力下)	
> without accumulator	> 无蓄能器	[mm/s]
> with accumulator	> 加蓄能器	[mm/s]
Plasticising rate (PS)	塑化率(PS)	
> motor 1 (120bar) ²⁾	> 马达 1 (120bar) ²⁾	[g/s]
> electric screw drive	> 电动螺杆	[g/s]
Max. screw stroke	最大螺杆行程	[mm]
Max. nozzle dipping depth(SVO)	最大喷嘴伸出模板长度(SVO)	[mm]
Nozzle sealing force	喷嘴接触力	[kN]
Number of heating zones	加热段数量	
Hopper capacity ⁴⁾	料斗容积 ⁴⁾	[ltr.]

General data	综合数据	
Oil tank capacity	油箱容量	[ltr.]
Installed electrical rating	额定电气功率	
> pump ²⁾	> 油泵 ²⁾	[≈kW]
> electeic screw drive	> 电动螺杆	[≈kW]
> heating capacity of screw cylinder	> 料筒加热功率	[≈kW]
> capacity with electr drive ²⁾	> 电器总功率 ²⁾	[kW]
Net weight (without oil) ⁵⁾	机器净重 (不含油) ⁵⁾	[≈kg]
Machine dimensions(l×w×h)	机器尺寸 (l×w×h)	[≈m]

The shown specifications reflect the state at the time of printing. We reserve the right to modify specifications.

Plasticising rate depends on processing conditions and material employed.

Electrical power supply refers to the standard configuration of the machine.

LS 160/530 G			
160/530-280	160/530-360	160/530-500	160/530-655
1600-280	1600-360	1600-500	1600-655
160/530			
1600			
1760			
500			
200			
550			
1050			
800x740			
530x470			
150			
67			

280(手机外壳)	360			500			655		
28	30	35	40	35	40	45	45	50	55
standard 标准	standard 标准			standard 标准			standard标准		
22	22	22	22	22	22	22	22	22	22
3393	2956	2171	1663	2786	2133	1685	1944	1575	1302
92	134	183	239	183	239	302	334	412	499
84	122	167	217	167	217	275	304	375	454
215	197	268	351	262	342	433	480	593	718
376	431	587	767	587	767	970	970	1198	1449
349	279	279	279	272	272	272	302	302	302
610	610	610	610	610	610	610	610	610	610
26	26	35	52	35	52	66	32	40	57
15	19	26	38	26	38	47	38	47	54
150	190	190	190	190	190	190	210	210	210
50		50			50			50	
43		80			80			80	
5		4			4		4	4	5
50		35			35			50	

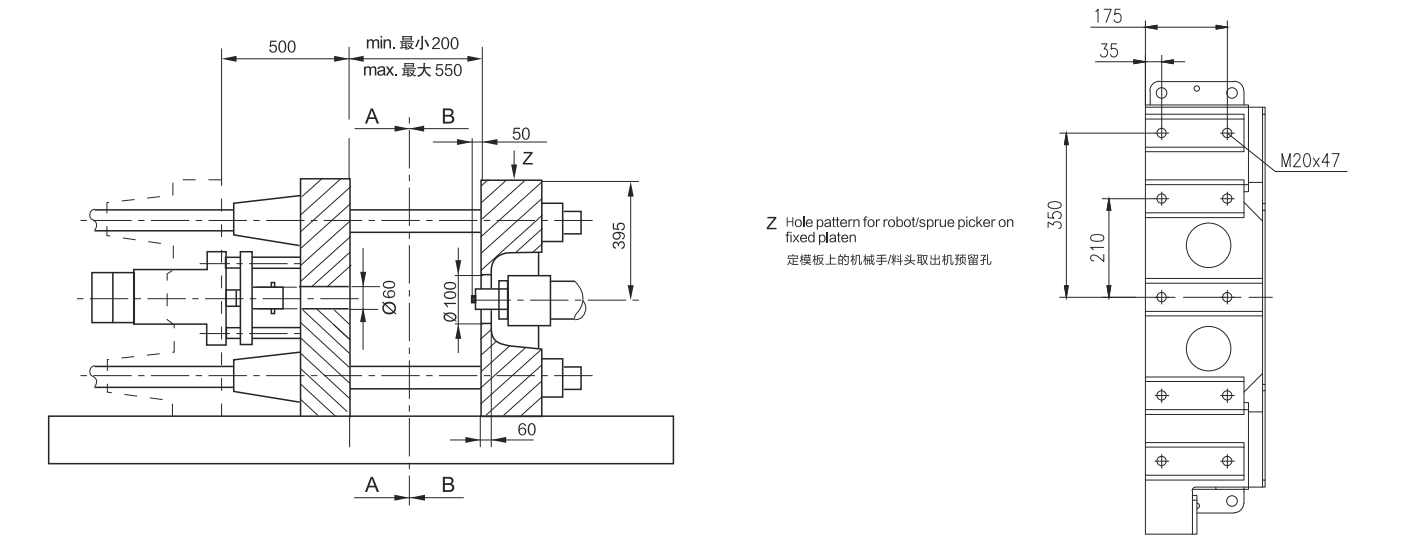
160/530-280	160/530-360	160/530-500	160/530-655
420	420	420	420
42.5	36	36	36
22		22	
9.1	9.9	12	14
74	68	70	72
6100	6200	6400	6800
5.1x1.5x2.0	5.2x1.6x2.1	5.2x1.6x2.1	5.3x1.6x2.0

本页参数为印刷前取得的数据。我们保留修改参数的权利。

塑化率取决于工艺情况和所使用材料。

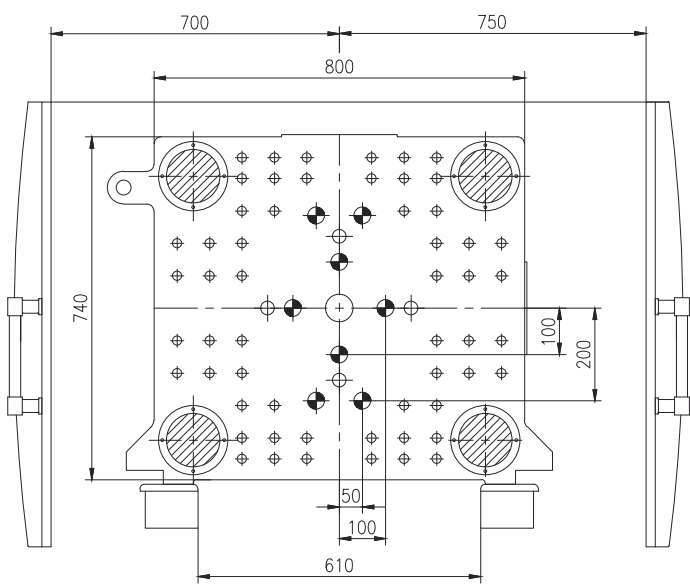
电源可参考机器标准配置。

Technical Data LS 160/530 G 模板尺寸



Movable platen 动模板

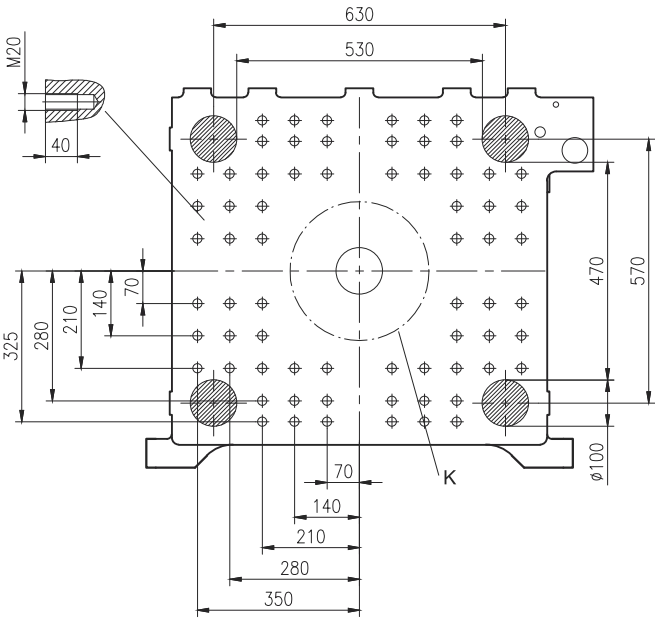
B - B



Hole patten according Euromap
K=minimum permissible mould Ø 300mm
◆ bore diameter Ø 36mm through holes

Fixed platen 定模板

A - A



欧洲标准模具安装孔布置
K=最小模径Ø 300mm
◆ Ø 36mm直径通孔

Technical Data LS 210/580 G 技术参数

Ningbo LiSong Injection Technology Co.,Ltd.	
Model description	型号
International size description	国际标准尺寸

LS 210/580 G		
210/580-500	210/580-655	210/580-1085
2100-500	2100-655	2100-1085

Clamping unit	合模装置	
Clamping force	合模力	[KN]
Locking force	锁模力	[KN]
Max.mould opening stroke	最大开模行程	[mm]
Min.mould height	最小模厚	[mm]
Max.mould height	最大模厚	[mm]
Max.daylight	最大模板间距	[mm]
Mould platen(h×v)	模板尺寸 (水平 × 垂直)	[mm]
Distance between tie bars(h×v)	拉杆间距 (水平 × 垂直)	[mm]
Ejection stroke	顶出行程	[mm]
Ejection force	顶出力	[KN]

210/580		
2100		
2310		
550		
220		
580		
1130		
875x815		
580x520		
160		
88		

Injection unit	注射装置	
Screw diameter	螺杆直径	[mm]
Screw geometry	螺杆形状	
L / D ratio	长径比	
Spec.inj.Press. (up to 400 °C)	注射压力 (至 400℃)	[bar]
Max. cylinder head volume	理论注射容积	[cm³]
Max. shot weight (PS)	最大注射量	[g]
Max. Rate of injection ¹⁾	最大注射速率 ¹⁾	
> without accumulator ²⁾	> 无蓄能器 ²⁾	[cm³/s]
> with accumulator	> 加蓄能器	[cm³/s]
Injection speed (Under 1000bar injection pressure)	注射速度 (在 1000bar 的注射压力下)	
> without accumulator	> 无蓄能器	[mm/s]
> with accumulator	> 加蓄能器	[mm/s]
Plasticising rate (PS)	塑化率 (PS)	
> motor 1 (120bar) ²⁾	> 马达 1 (120bar) ²⁾	[g/s]
> electric screw drive	> 电动螺杆	[g/s]
Max. screw stroke	最大螺杆行程	[mm]
Max. nozzle dipping depth(SVO)	最大喷嘴伸出模板长度(SVO)	[mm]
Nozzle sealing force	喷嘴接触力	[kN]
Number of heating zones	加热段数量	
Hopper capacity ⁴⁾	料斗容积 ⁴⁾	[ltr.]

500			655			1085		
35	40	45	45	50	55	55	60	65
standard 标准			standard 标准			standard 标准		
22	22	22	22	22	22	22	22	22
2786	2133	1685	1944	1575	1302	1944	1633	1392
183	239	302	334	412	499	558	664	780
167	217	275	304	375	454	508	604	710
335	437	553	480	593	718	675	803	942
587	767	970	970	1198	1449	1449	1725	2024
348	348	348	302	302	302	284	284	284
610	610	610	610	610	610	610	610	610
35	52	66	32	40	57	35	55	79
26	38	47	38	47	54	64	76	80
190	190	190	210	210	210	235	235	235
	50			50			50	
	80			80			110	
	4		4	4	5		5	
	35			50			70	

Technical Data LS 280/680 G 技术参数

Ningbo LiSong Injection Technology Co.,Ltd.	
Model description	型号
International size description	国际标准尺寸

LS 280/680 G		
280/680-655	280/680-1085	280/680-1635
2800-655	2800-1085	2800-1635

Clamping unit	合模装置	
Clamping force	合模力	[KN]
Locking force	锁模力	[KN]
Max.mould opening stroke	最大开模行程	[mm]
Min.mould height	最小模厚	[mm]
Max.mould height	最大模厚	[mm]
Max.daylight	最大模板间距	[mm]
Mould platen(h × v)	模板尺寸 (水平 × 垂直)	[mm]
Distance between tie bars(h × v)	拉杆间距 (水平 × 垂直)	[mm]
Ejection stroke	顶出行程	[mm]
Ejection force	顶出力	[KN]

280/680		
2800		
3080		
690		
250		
680		
1355		
1000x940		
680x620		
180		
88		

Injection unit	注射装置	
Screw diameter	螺杆直径	[mm]
Screw geometry	螺杆形状	
L / D ratio	长径比	
Spec.inj.Press. (up to 400 °C)	注射压力 (至 400℃)	[bar]
Max. cylinder head volume	理论注射容积	[cm ³]
Max. shot weight (PS)	最大注射量	[g]
Max. Rate of injection ¹⁾	最大注射速率 ¹⁾	
> without accumulator ²⁾	> 无蓄能器 ²⁾	[cm ³ /s]
> with accumulator	> 加蓄能器	[cm ³ /s]
Injection speed (Under 1000bar injection pressure)	注射速度 (在 1000bar 的注射压力下)	
> without accumulator	> 无蓄能器	[mm/s]
> with accumulator	> 加蓄能器	[mm/s]
Plasticising rate (PS)	塑化率 (PS)	
> motor 1 (120bar) ²⁾	> 马达 1 (120bar) ²⁾	[g/s]
> electric screw drive	> 电动螺杆	[g/s]
Max. screw stroke	最大螺杆行程	[mm]
Max. nozzle dipping depth(SVO)	最大喷嘴伸出模板长度(SVO)	[mm]
Nozzle sealing force	喷嘴接触力	[kN]
Number of heating zones	加热段数量	
Hopper capacity ⁴⁾	料斗容积 ⁴⁾	[ltr.]

655			1085			1635		
45	50	55	55	60	65	60	70	75
standard 标准			standard 标准			standard 标准		
22	22	22	22	22	22	22	22	22
1944	1575	1302	1944	1633	1392	2144	1575	1372
334	412	499	558	664	780	763	1039	1193
304	375	454	508	604	710	694	945	1086
480	593	718	751	893	1049	681	927	1065
970	1198	1449	1149	1725	2024	1725	2348	2695
302	302	302	316	316	316	241	241	241
610	610	610	610	610	610	610	610	610
32	40	57	41	64	92	40	58	81
38	47	54	64	76	80	84	87	93
210	210	210	235	235	235	270	270	270
50			50			50		
80			110			110		
4	4	5	5			5		
50			70			110		

Technical Data LS 350/740 G 技术参数

Ningbo LiSong Injection Technology Co.,Ltd.	
Model description	型号
International size description	国际标准尺寸

LS 350/740 G		
350/740-655	350/740-1085	350/740-1635
3500-655	3500-1085	3500-1635

Clamping unit	合模装置	
Clamping force	合模力	[kN]
Locking force	锁模力	[kN]
Max.mould opening stroke	最大开模行程	[mm]
Min.mould height	最小模厚	[mm]
Max.mould height	最大模厚	[mm]
Max.daylight	最大模板间距	[mm]
Mould platen(h × v)	模板尺寸 (水平 × 垂直)	[mm]
Distance between tie bars(h × v)	拉杆间距 (水平 × 垂直)	[mm]
Ejection stroke	顶出行程	[mm]
Ejection force	顶出力	[kN]

350/740
3500
3850
750
280
730
1480
1090x1090
740x740
200
88

Injection unit	注射装置	
Screw diameter	螺杆直径	[mm]
Screw geometry	螺杆形状	
L / D ratio	长径比	
Spec.inj.Press. (up to 400 °C)	注射压力 (至 400°C)	[bar]
Max. cylinder head volume	理论注射容积	[cm ³]
Max. shot weight (PS)	最大注射量	[g]
Max. Rate of injection ¹⁾	最大注射速率 ¹⁾	
> without accumulator ²⁾	> 无蓄能器 ²⁾	[cm ³ /s]
> with accumulator	> 加蓄能器	[cm ³ /s]
Injection speed	注射速度	
(Under 1000bar injection pressure)	(在 1000bar 的注射压力下)	
> without accumulator	> 无蓄能器	[mm/s]
> with accumulator	> 加蓄能器	[mm/s]
Plasticising rate (PS)	塑化率 (PS)	
> motor 1 (120bar) ²⁾	> 马达 1 (120bar) ²⁾	[g/s]
> electric screw drive	> 电动螺杆	[g/s]
Max. screw stroke	最大螺杆行程	[mm]
Max. nozzle dipping depth(SVO)	最大喷嘴伸出模板长度(SVO)	[mm]
Nozzle sealing force	喷嘴接触力	[kN]
Number of heating zones	加热段数量	
Hopper capacity ⁴⁾	料斗容积 ⁴⁾	[litr.]

655			1085			1635		
45	50	55	55	60	65	60	70	75
standard 标准			standard 标准			standard 标准		
22	22	22	22	22	22	22	22	22
1944	1575	1302	1944	1633	1392	2144	1575	1372
334	412	499	558	664	780	763	1039	1193
304	375	454	508	604	710	694	945	1086
480	593	718	751	893	1049	681	927	1065
970	1193	1449	1449	1725	2024	1725	2348	2695
302	302	302	316	316	316	241	241	241
610	610	610	610	610	610	610	610	610
32	40	57	41	64	92	40	58	81
38	47	54	64	76	80	84	87	93
210	210	210	235	235	235	270	270	270
50			50			50		
80			110			110		
4	4	5	5			5		
50			70			110		

General data	综合数据
Oil tank capacity	油箱容量 [ltr.]
Installed electrical rating	额定电气功率
> pump ²⁾	> 油泵 ²⁾ [≈ kW]
> electric screw drive	> 电动螺杆 [≈ kW]
> heating capacity of screw cylinder	> 料筒加热功率 [≈ kW]
> capacity with electric drive ²⁾	> 电器总功率 ²⁾ [kW]
Net weight (without oil) ⁵⁾	机器净重 (不含油) ⁵⁾ [≈ kg]
Machine dimensions(l × w × h)	机器尺寸 (l × w × h) [≈ m]

350/740-655			350/740-1085			350/740-1635		
680			680			680		
53	53	53	85	85	85	85	85	85
22			32			38		
16.3	19.8	21.1	21.1	23.5	26.5	23.5	29.2	32.1
91	95	96	138	140	144	146	152	155
15000			15500			16000		
7.1x2.0x2.1			7.45x2.0x2.1			7.6x2.0x2.1		

The shown specifications reflect the state at the time of printing. We reserve the right to modify specifications.

Plasticising rate depends on processing conditions and material employed.

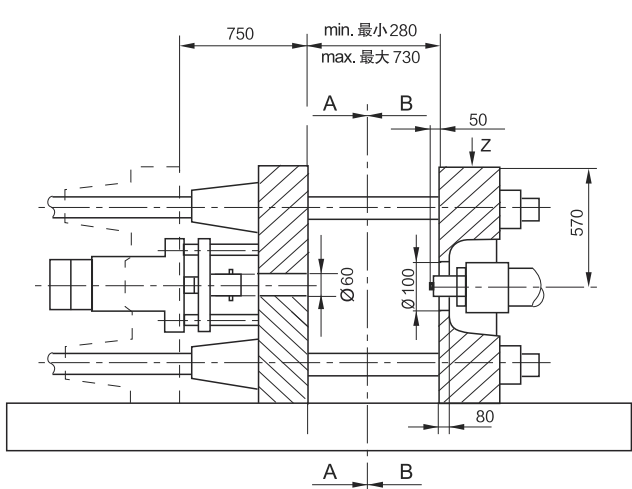
Electrical power supply refers to the standard configuration of the machine.

本页参数为印刷前取得的数据。我们保留修改参数的权利。

塑化率取决于工艺情况和所使用材料。

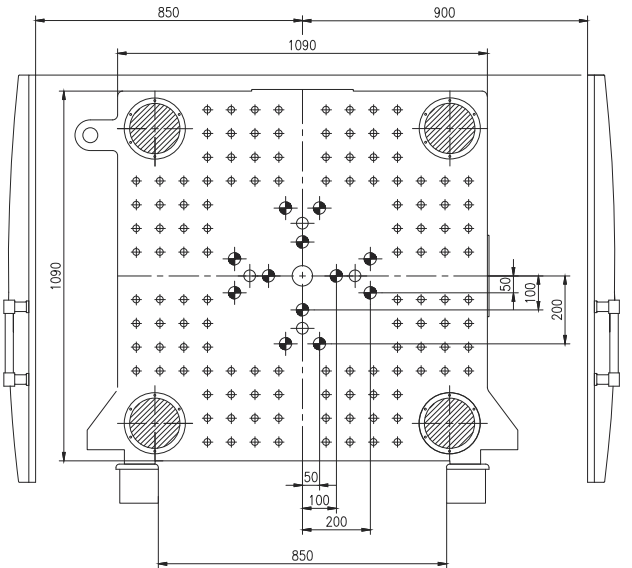
电源可参考机器标准配置。

Technical Data LS 350/740 G 模板尺寸

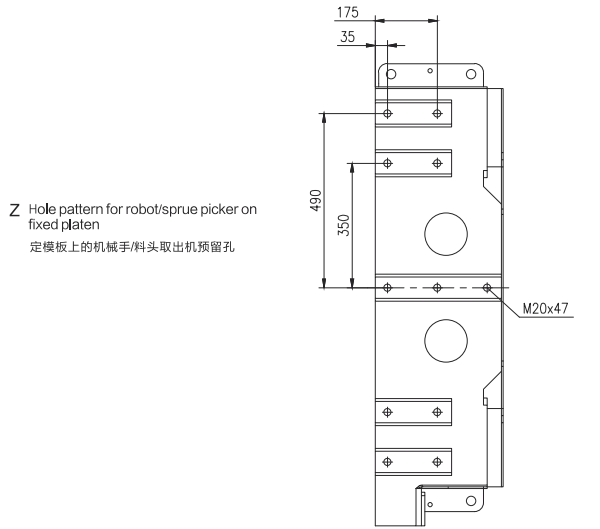


Movable platen 动模板

B - B

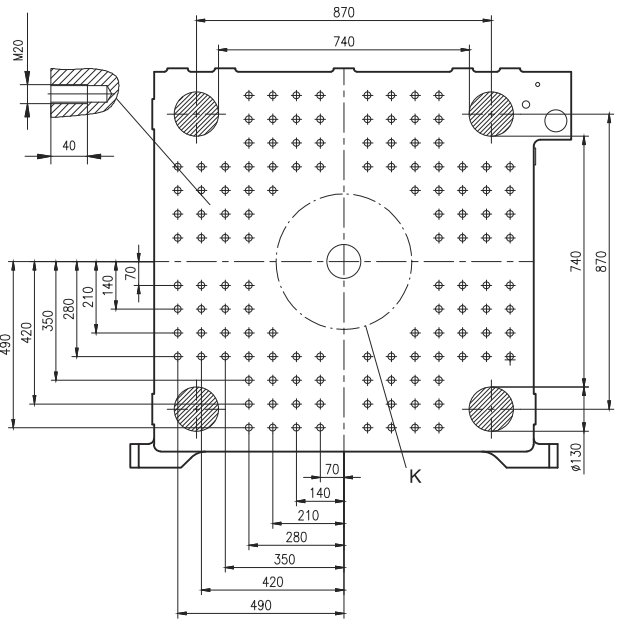


Hole pattern according Euromap
K=minimum permissible mould Ø 400mm
• bore diameter Ø 36mm through holes



Fixed platen 定模板

A - A



欧洲标准模具安装孔布置
K=最小模径 $\varnothing 400\text{mm}$
 $\varnothing 36\text{mm}$ 直径通孔

Technical Data LS 420/910 G 技术参数

Ningbo LiSong Injection Technology Co.,Ltd.	
Model description	型号
International size description	国际标准尺寸

LS 420/910 G			
420/910-1085		420/910-1635	420/910-2840
4200-1085		4200-1635	4200-2840

Clamping unit	合模装置	
Clamping force	合模力	[KN]
Locking force	锁模力	[KN]
Max.mould opening stroke	最大开模行程	[mm]
Min.mould height	最小模厚	[mm]
Max.mould height	最大模厚	[mm]
Max.daylight	最大模板间距	[mm]
Mould platen(h×v)	模板尺寸 (水平 × 垂直)	[mm]
Distance between tie bars(h×v)	拉杆间距 (水平 × 垂直)	[mm]
Ejection stroke	顶出行程	[mm]
Ejection force	顶出力	[KN]

420/910			
4200			
4620			
900			
330			
850			
1750			
1310x1220			
910x820			
250			
130			

Injection unit	注射装置	
Screw diameter	螺杆直径	[mm]
Screw geometry	螺杆形状	
L / D ratio	长径比	
Spec.inj.Press. (up to 400 °C)	注射压力 (至 400℃)	[bar]
Max. cylinder head volume	理论注射容积	[cm³]
Max. shot weight (PS)	最大注射量	[g]
Max. Rate of injection ¹⁾	最大注射速率 ¹⁾	
> without accumulator ²⁾	> 无蓄能器 ²⁾	[cm³/s]
> with accumulator	> 加蓄能器	[cm³/s]
Injection speed (Under 1000bar injection pressure)	注射速度 (在 1000bar 的注射压力下)	
> without accumulator	> 无蓄能器	[mm/s]
> with accumulator	> 加蓄能器	[mm/s]
Plasticising rate (PS)	塑化率 (PS)	
> motor 1 (120bar) ²⁾	> 马达 1 (120bar) ²⁾	[g/s]
> electric screw drive	> 电动螺杆	[g/s]
Max. screw stroke	最大螺杆行程	[mm]
Max. nozzle dipping depth(SVO)	最大喷嘴伸出模板长度(SVO)	[mm]
Nozzle sealing force	喷嘴接触力	[kN]
Number of heating zones	加热段数量	
Hopper capacity ⁴⁾	料斗容积 ⁴⁾	[ltr.]

1085			1635			2840		
50	60	65	60	70	75	70	80	90
standard 标准			standard 标准			standard 标准		
22	22	22	22	22	22	22	22	22
1944	1633	1392	2144	1575	1372	2306	1766	1395
558	664	780	763	1039	1193	1232	1608	2036
508	604	710	694	945	1086	1121	1463	1853
751	893	1049	681	927	1065	1012	1322	1673
1198	1725	2024	1725	2348	2695	2348	3066	3881
316	316	316	241	241	241	263	263	263
610	610	610	610	610	610	610	610	610
50	71	111	50	78	112	69	97	156
53	60	65	64	76	80	105	129	155
235	235	235	270	270	270	320	320	320
50			50			50		
110			110			110		
5			5			5		
70			110			110		

Technical Data LS 530/920...800/1125 G 技术参数

Ningbo LiSong Injection Technology Co.,Ltd.	
Model description	型号
Internatioanl size description	国际标准尺寸

LS 530/920 G		LS 650/1020 G	
530/920-2840	530/920-3920	650/1020-3920	650/1020-5200
5300-2840	5300-3920	6500-3920	6500-5200

Clamping unit	合模装置	
Clamping force	合模力	[KN]
Locking force	锁模力	[KN]
Max.mould opening stroke	最大开模行程	[mm]
Min.mould height	最小模厚	[mm]
Max.mould height	最大模厚	[mm]
Max.daylight	最大模板间距	[mm]
Mould platen(h×v)	模板尺寸 (水平 × 垂直)	[mm]
Distance between tie bars(h×v)	拉杆间距 (水平 × 垂直)	[mm]
Ejection stroke	顶出行程	[mm]
Ejection force	顶出力	[KN]

530/920			650/1020		
5300			6500		
5830			7150		
900			1000		
330			400		
900			960		
1800			1960		
1360x1310			1505x1365		
920x870			1020x960		
335			340		
150			210		

Injection unit	注射装置	
Screw diameter	螺杆直径	[mm]
Screw geometry	螺杆形状	
L / D ratio	长径比	
Spec.inj.Press. (up to 400 ℃)	注射压力 (至 400℃)	[bar]
Max. cylinder head volume	理论注射容积	[cm³]
Max. shot weight (PS)	最大注射量	[g]
Max. Rate of injection ¹⁾	最大注射速率 ¹⁾	
> without accumulator ²⁾	> 无蓄能器 ²⁾	[cm³/s]
> with accumulator	> 加蓄能器	[cm³/s]
Injection speed (Under 1000bar injection pressure)	注射速度 (在 1000bar 的注射压力下)	
> without accumulator	> 无蓄能器	[mm/s]
> with accumulator	> 加蓄能器	[mm/s]
Plasticising rate (PS)	塑化率(PS)	
> motor 1 (120bar) ²⁾	> 马达 1 (120bar) ²⁾	[g/s]
> electric screw drive	> 电动螺杆	[g/s]
Max. screw stroke	最大螺杆行程	[mm]
Max. nozzle dipping depth(SVO)	最大喷嘴伸出模板长度(SVO)	[mm]
Nozzle sealing force	喷嘴接触力	[kN]
Number of heating zones	加热段数量	
Hopper capacity ⁴⁾	料斗容积 ⁴⁾	[ltr.]

2840			3920			3920			5200		
70	80	90	80	90	100	80	90	100	90	100	110
standard 标准			standard 标准			standard 标准			standard 标准		
22	22	22	22	22	22	22	22	22	22	22	22
2306	1766	1395	2170	1715	1389	2170	1715	1389	2050	1661	1373
1232	1608	2036	1810	2290	2827	1810	2290	2827	2545	3142	3801
1121	1463	1853	1647	2084	2573	1647	2084	2573	2316	2859	3459
1012	1322	1673	1131	1431	1767	1131	1431	1767	1368	1689	2043
2309	3016	3817	3016	3817	4712	3016	3817	4712	3817	4712	5702
263	263	263	225	225	225	225	225	225	215	215	215
600	600	600	600	600	600	600	600	600	600	600	600
69	97	156	76	122	176	76	122	176	98	141	167
105	129	155	132	176	187	132	176	187	182	223	240
320	320	320	360	360	360	360	360	360	400	400	400
50			50			50			50		
110			110			110			110		
5			6			6			6		
110			110			110			110		

General data	综合数据	
Oil tank capacity	油箱容量	[ltr.]
Installed electrical rating	额定电气功率	
> pump ²⁾	> 油泵 ²⁾	[≈kW]
> electic screw drive	> 电动螺杆	[≈kW]
> heating capacity of screw cylinder	> 料筒加热功率	[≈kW]
> capacity with electr drive ²⁾	> 电器总功率 ²⁾	[kW]
Net weight (without oil) ⁵⁾	机器净重 (不含油) ⁵⁾	[≈kg]
Machine dimensions(l×w×h)	机器尺寸 (l×w×h)	[≈m]

530/920-2840			530/920-3920			650/1020-3920			650/1020-5200		
900			900			1000			1000		
125	125	125	142	142	142	142	142	142	159	159	159
47			76			76			90		
29.2	35.1	41.5	35.1	41.5	48.4	35.1	41.5	48.4	41.5	48.4	55.6
201	208	214	253	260	266	253	260	266	291	297	305
24800			25100			31500			32000		
8.5x2.3x2.5			9.0x2.3x2.5			9.4x2.5x2.6			9.6x2.5x2.6		

The shown specifications reflect the state at the time of printing. We reserve the right to modify specifications.

Plasticising rate depends on processing conditions and material employed.

Electrical power supply refers to the standard configuration of the machine.

本页参数为印刷前取得的数据。我们保留修改参数的权利。

塑化率取决于工艺情况和所使用材料。

电源可参考机器标准配置。

Ningbo LiSong Injection Technology Co.,Ltd.	
Model description	型号
International size description	国际标准尺寸

Clamping unit	合模装置	
Clamping force	合模力	[KN]
Locking force	锁模力	[KN]
Max.day light	最大开距	[mm]
Min.mould height	最小模厚	[mm]
Max.mould height	最大模厚	[mm]
Max.daylight	最大模板间距	[mm]
Mould platen(h×v)	模板尺寸 (水平 × 垂直)	[mm]
Distance between tie bars(h×v)	拉杆间距 (水平 × 垂直)	[mm]
Ejection stroke	顶出行程	[mm]
Ejection force	顶出力	[KN]

Injection unit	注射装置	
Screw diameter	螺杆直径	[mm]
Screw geometry	螺杆形状	
L / D ratio	长径比	
Spec.inj.Press. (up to 420 ℃)	注射压力 (至 420℃)	[bar]
Max. cylinder head volume	理论注射容积	[cm³]
Max. shot weight (PS)	最大注射量	[g]
Max. Rate of injection	最大注射速率	
> without accumulator ²⁾	> 无蓄能器	[cm³/s]
> with accumulator	> 加蓄能器	[cm³/s]
Injection speed (Under 1000bar injection pressure)	注射速度 (在 1000bar 的注射压力下)	
> without accumulator	> 无蓄能器	[mm/s]
> with accumulator	> 加蓄能器	[cm³/s]
Plasticising rate (PS)	塑化率(PS)	
> motor 1 (120bar)	> 马达 1 (120bar)	[g/s]
> Electric screw drive	> 电动螺杆	[g/s]
Max. screw stroke	最大螺杆行程	[mm]
Max. nozzle dipping depth(SVO)	最大喷嘴伸出模板长度(SVO)	[mm]
Nozzle sealing force	喷嘴接触力	[kN]
Number of heating zones	加热段数量	
Hopper capacity	料斗容积	[ltr.]

General data	综合数据	
Oil tank capacity	油箱容量	[ltr.]
Installed electrical rating	额定电气功率	
> pump	> 油泵	[≈kW]
> Electric screw drive	> 电动螺杆	
> heating capacity of screw cylinder	> 料筒加热功率	[≈kW]
> capacity with electr drive	> 电器总功率	[kW]
Net weight (without oil)	机器净重 (不含油)	[≈kg]
Machine dimensions(l×w×h)	机器尺寸 (l×w×h)	[≈m]

LS 800/1125 G	
800/1125-5200	800/1125-7330
8000-5200	8000-7330

800/1125	
8000	
8800	
1100	
500	
1100	
2200	
1580x1540	
1125x1085	
335	
216	

5200			7330		
90	100	110	100	110	120
standard 标准			standard 标准		
20	20	20	20	20	20
2050	1661	1373	2074	1714	1440
2545	3142	3801	3534	4277	5089
2316	2859	3459	3216	3892	4631
1368	1689	2043	1634	1977	2352
3817	4712	5702	4712	5702	6786

215	215	215	208	208	208
600	600	600	600	600	600
98	141	167	120	163	222
182	223	240	230	273	292
400	400	400	450	450	450
50			50		
110			110		
6			6		
110			110		

800/1125-5200			800/1125-7330		
1200			1200		
159	159	159	195	195	195
90			115		
41.5	48.4	55.6	48.4	55.6	63.3
291	297	305	358	366	373
42000			42400		
10.1x2.8x2.7			11.2x2.8x2.7		

Technical Data LS 300/600...530/820 H3 技术参数

Ningbo LiSong Injection Technology Co.,Ltd.		LS 300/600 H3	LS 450/730 H3
Model description	型号	300/600-1085	450/730-2840
International size description	国际标准尺寸	3000-1085	4500-2840

Clamping unit合模装置			300/600	450/730
Clamping force	合模力	[KN]	3000	4500
Locking force	锁模力	[KN]	3000	4500
Max.day light	最大开距	[mm]	1575	1800
Min.mould height	最小模厚	[mm]	280	350
Max.mould height	最大模厚	[mm]	680	850
Mould platen(h×v)	模板尺寸 (水平 × 垂直)	[mm]	1100x1100	1230x1230
Distance between tie bars(h×v)	拉杆间距 (水平 × 垂直)	[mm]	600x600	730x730
Ejection stroke	顶出行程	[mm]	200	200
Ejection force	顶出力	[KN]	110	150

Injection unit注射装置		1085			2840		
Screw diameter	螺杆直径	[mm]	55	60	65	70	80 90
Screw geometry	螺杆形状		standard 标准			standard 标准	
L / D ratio	长径比		22	22	22	22	22 22
Spec.inj.Press. (up to 420 ℃)	注射压力 (至 420℃)	[bar]	1944	1633	1392	2306	1766 1395
Max. cylinder head volume	理论注射容积	[cm ³]	558	664	780	1155	1508 1909
Max. shot weight (PS)	最大注射量	[g]	508	604	710	1051	1372 1737
Max. Rate of injection	最大注射速率						
> without accumulator ²⁾	> 无蓄能器	[cm ³ /s]	713	848	995	1155	1508 1909
> with accumulator	> 加蓄能器	[cm ³ /s]	1188	1414	1659	1924	2513 3181
Injection speed	注射速度	(Under 1000bar injection pressure)					
> without accumulator	> 无蓄能器	[mm/s]	300	300	300	300	300 300
> with accumulator	> 加蓄能器	[cm ³ /s]	500	500	500	500	500 500
Plasticising rate (PS)	塑化率(PS)						
> motor 1 (120bar)	> 马达 1 (120bar)	[g/s]	50	71	111	69	97 156
> Electric screw drive	> 电动螺杆	[g/s]	53	60	65	105	129 155
Max. screw stroke	最大螺杆行程	[mm]	235	235	235	300	300 300
Max. nozzle dipping depth(SVO)	最大喷嘴伸出模板长度(SVO)	[mm]		50			50
Nozzle sealing force	喷嘴接触力	[kN]		110			110
Number of heating zones	加热段数量			5			5
Hopper capacity	料斗容积	[ltr.]		70			110

General data综合数据		300/600-1085			450/730-2840		
Oil tank capacity	油箱容量	[ltr.]	680			900	
Installed electrical rating	额定电气功率						
> pump	> 油泵	[≈kW]	85			127	
> Electric screw drive	> 电动螺杆		32			47	
> heating capacity of screw cylinder	> 料筒加热功率	[≈kW]	21.1	23.5	26.5	29.2	35.1 41.5
> capacity with electr drive	> 电器总功率	[kW]	138	140	144	203	209 216
Net weight (without oil)	机器净重 (不含油)	[≈kg]	14500			21000	
Machine dimensions(l×w×h)	机器尺寸 (l×w×h)	[≈m]	6.2X1.6X2.1			7.9X2.2X2.6	

The shown specifications reflect the state at the time of printing. We reserve the right to modify specifications.

Plasticising rate depends on processing conditions and material employed.

Electrical power supply refers to the standard configuration of the machine.

本页参数为印刷前取得的数据。我们保留修改参数的权利。

塑化率取决于工艺情况和所使用材料。

电源可参考机器标准配置。

Ningbo LiSong Injection Technology Co.,Ltd.		LS 530/820 H3
Model description	型号	530/820-2840
Internatioanl size description	国际标准尺寸	5300-2840

Clamping unit合模装置			530/820
Clamping force	合模力	[KN]	5300
Locking force	锁模力	[KN]	5300
Max.day light	最大开距	[mm]	1915
Min.mould height	最小模厚	[mm]	400
Max.mould height	最大模厚	[mm]	950
Mould platen(h×v)	模板尺寸 (水平 × 垂直)	[mm]	1320x1320
Distance between tie bars(h×v)	拉杆间距 (水平 × 垂直)	[mm]	820x820
Ejection stroke	顶出行程	[mm]	200
Ejection force	顶出力	[KN]	150

Injection unit注射装置		2840		
Screw diameter	螺杆直径	[mm]	70	80 90
Screw geometry	螺杆形状		standard 标准	
L / D ratio	长径比		22	22 22
Spec.inj.Press. (up to 420 ℃)	注射压力 (至 420℃)	[bar]	2306	1766 1395
Max. cylinder head volume	理论注射容积	[cm ³]	1155	1508 1909
Max. shot weight (PS)	最大注射量	[g]	1051	1372 1737
Max. Rate of injection	最大注射速率			
> without accumulator ²⁾	> 无蓄能器	[cm ³ /s]	1155	1508 1909
> with accumulator	> 加蓄能器	[cm ³ /s]	1924	2513 3181
Injection speed	注射速度	(Under 1000bar injection pressure)		
> without accumulator	> 无蓄能器	[mm/s]	300	300 300
> with accumulator	> 加蓄能器	[cm ³ /s]	500	500 500
Plasticising rate (PS)	塑化率(PS)			
> motor 1 (120bar)	> 马达 1 (120bar)	[g/s]	69	97 156
> Electric screw drive	> 电动螺杆	[g/s]	105	129 155
Max. screw stroke	最大螺杆行程	[mm]	300	300 300
Max. nozzle dipping depth(SVO)	最大喷嘴伸出模板长度(SVO)	[mm]		50
Nozzle sealing force	喷嘴接触力	[kN]		110
Number of heating zones	加热段数量			5
Hopper capacity	料斗容积	[ltr.]		110

General data综合数据		530/820-2840		
Oil tank capacity	油箱容量	[ltr.]	1040	
Installed electrical rating	额定电气功率			
> pump	> 油泵	[≈kW]	127	
> Electric screw drive	> 电动螺杆		76	
> heating capacity of screw cylinder	> 料筒加热功率	[≈kW]	29.2	35.1 41.5
> capacity with electr drive	> 电器总功率	[kW]	232	238 245
Net weight (without oil)	机器净重 (不含油)	[≈kg]	24000	
Machine dimensions(l×w×h)	机器尺寸 (l×w×h)	[≈m]	8.3X2.3X2.7	

LISONG G 1600 ... 4,200 kN配置

锁模装置					
	160	210	280	350	420
> 紧凑的全液压合模系统有 2 个合模油缸和一个充液油缸，能缩短循环时间和节能	—	—	—	—	—
> 内置式油缸驱动的紧凑的五点式双曲肘杆的锁模系统	—	—	—	—	—
> 动模板由机身底座的滚动轴承支撑	—	—	—	—	—
> 动模板由安装在机身上的刚性线性导轨支撑	—	—	—	—	—
> 控制面板上可调整合模力,还可显示实际值	●	●	●	●	●
> 可显示合模力控制	●	●	●	●	●
> 模具安装尺寸符合 Euromap 标准，无侧面顶出板	○	○	○	○	○
> 模具安装尺寸符合 Euromap 标准，有侧面顶出板	○	○	○	○	○
> 模板尺寸通用标准	—	—	—	—	—
> 模板尺寸类似 JIS 标准	○	○	○	○	○
> 曲肘自动中央润滑系统	●	●	●	●	●
> 操作侧上部的拉杆可以被抽出	—	—	—	—	—
> 非操作侧上部的拉杆可以被抽出	—	—	—	—	—
> 用于拉杆抽出时的手动夹紧装置	—	—	—	—	—
> 非操作侧上部的拉杆自动抽出装置	—	—	—	—	—
> 2 段锁模力可调	—	—	—	—	—
> 增大模厚	○	○	○	○	○
> 减小模厚	—	—	—	—	—
> 模厚自动调节	○	○	○	○	○
> 液压中心顶出具有振动行程特性机械	●	●	●	●	●
> 短 / 长行程顶出	●	●	●	●	●
> 顶出，压力和速度可编程	●	●	●	●	●
> 顶出压力，速度可编程	●	●	●	●	●
> 顶出压力，速度可编程，与模具运动平行进行	○	○	○	○	○

锁模装置					
	160	210	280	350	420
> 顶出压力，速度可编程，与模具运动平行进行，包括位置控制	○	○	○	○	○
> 非操作侧安全门打开时可进行操作	○	○	○	○	○
> 开模后顶出	●	●	●	●	●
> 适用与弹簧模具的顶出位置保持止回阀组合（不适用于闭环控制顶出）	○	○	○	○	○
> 行程检测系统来检测注射动作、注射座的移动	○	○	○	○	○
> ActiveQ: 模具运动中由传感器保证模具安全	○	○	○	○	○
> 1,2,4 路中子和运动序列矩阵（顺序动作），速度可控制	○	○	○	○	○
> 1,2,4 路中子（从合模力 1,200kN 开始）和运动序列矩阵（平行动作），速度可控制	○	○	○	○	○
> 2 组中子可安装在定模板上	○	○	○	○	○
> 1,2 或 4 路中子的手动压力释放	○	○	○	○	○
> 运动序列矩阵可自由编程用于中子和顶出(顺序动作)	○	○	○	○	○
> 运动序列矩阵可自由编程用于中子和顶出(于模具动作平行)	○	○	○	○	○
> 锁模部件灵活运动方式，可与顶出，中子同时运动或单独运动	○	○	○	○	○
> 1或2路气动2位5通方向阀,装于动模板并可自由编程	○	○	○	○	○
> 1或2路气动2位5通方向阀,装于定模板并可自由编程	○	○	○	○	○
> 4 回路冷却水流量控制器	○	○	○	○	○
> 可选增加的 4 回路冷却水流量控制器	○	○	○	○	○
> 由时间控制开关模具冷却	○	○	○	○	○
> 模具冷却水回路吹扫	○	○	○	○	○
> 自动安全门位于操作侧	○	○	○	○	○

- 基本配置
- 选配装置
- 不可选

本页参数为印刷前取得的数据。我们保留修改参数的权利。

注射装置					
	160	210	280	350	420
> 注射座柔性动作	○	○	○	○	○
> 机器有 4 种规格注射座可选用	●	●	●	●	●
> 耐磨，耐腐蚀通用螺杆，氮化料筒	○	○	○	○	○
> 用于多种材料加工的特殊螺杆（直径 ≤ 60mm），止逆环耐磨耐腐蚀，重载设计（粉末冶金）	○	○	○	○	—
> 料筒内层双金属	○	○	○	○	○
> 开式喷嘴连接螺纹 M60X3, 用于直径 50mm 以上螺杆	—	—	—	—	—
> 开式喷嘴头连接螺纹 M24X1.5 适用于直径 50mm 以下的螺杆，带过渡喷嘴	—	—	—	—	—
> 加长开式喷嘴	○	○	○	○	○
> 气动锁闭式喷嘴（包括控制）用于 580 及以下注射座	○	○	○	○	○
> 液压锁闭式喷嘴（包括控制）用于含 580 以上注射座	—	—	—	—	—
> 针阀式喷嘴用于 2300 以下注射座	○	○	○	—	—
> 熔料温度检测（仅适用开式喷嘴）	○	○	○	○	○
> 料筒温度控制段（陶瓷加热圈）数量由注射座决定，一段喷嘴温控	●	●	●	●	●
> 每个加热回路具有温度偏差控制和热电偶断路保护；料筒加热温度可达 450℃，加热超过 400℃时注射压力被限制	○	○	○	○	○
> 热流道控制 3-24 段	○	○	○	○	○
> 液压控制热流道喷嘴（不能与液压锁闭喷嘴组合）	○	○	○	○	○

- 基本配置
- 选配装置
- 不可选

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LISONG G 1600 ... 4,200 kN配置

液压					
	160	210	280	350	420
> 伺服泵驱动	●	●	●	●	●
> 油泵加大功率	○	○	○	○	○
> 二个油泵可实行锁模部件的平行运动	○	○	○	○	○
> 油温闭环控制	○	○	○	○	○
> 模具与液压油分开冷却	●	●	●	●	●
> 油温预热	○	○	○	○	○
> 自动二级控制和显示油过滤器污染	—	—	—	—	—
> 外部油过滤器接口，用于生产时过滤液压油（旁路过滤器）	○	○	○	○	○
> 集成的油清洁装置用于精密旁路过滤	○	○	○	○	○
电控					
	160	210	280	350	420
> 装备有大屏幕触摸式液晶屏	○	○	○	○	○
> 设定值的物理量可转换（bar,ccm,mm/s）	●	●	●	●	●
> 错误及故障说明	●	●	●	●	●
> 废品识别功能	●	●	●	●	●
> 用于外部打印机的打印程序可自动打印错误日志，警报，信息和参数更改报告	○	○	○	○	○
> 内部打印机和打印驱动程序	○	○	○	○	○
> 控制口令 USB 盘	—	—	—	—	—
> 可选的 (NC5+) 操作语言	●	●	●	●	●

功能					
	160	210	280	350	420
> 工艺数据 100% 控制，工艺参数可形成图表并被记录	●	●	●	●	●
> 统计数据可外部储存的程序	●	●	●	●	●
> 修改参数日志	●	●	●	●	●
> 操作者帮助信息	—	—	—	—	—
> 增加了操作者语言	○	○	○	○	○
> 三级启动程序使生产自动运行	—	—	—	—	—
> 清洗料筒功能	●	●	●	●	●
> 3 或 6 个可自由编程的输出输入信号点	—	—	—	—	—
自动化					
	160	210	280	350	420
> 质量控制筛板，2 工位控制	—	—	—	—	—
> 模具冷却连接到模板	—	—	—	—	—

- 基本配置
- 选配装置
- 不可选

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接口					
	160	210	280	350	420
> 外接VGA显示器和AT键盘(MF-II 标准)	—	—	—	—	—
> 模具保护接口（顶板保护）	○	○	○	○	○
> 模内顶针接口、导杆保护及位置监控	○	○	○	○	○
> 二回路模具温度显示	○	○	○	○	○
> 混色加料插头插座	○	○	○	○	○
> CAN-Bus 总线接口用于温控器（4 回路），信号类型按照 DEMAG	○	○	○	○	○
> 20mA 接口用于多达 6 组温控器	—	—	—	—	—
> 增加喷嘴第二点温控，1 加热回路	○	○	○	○	○
> 第二段喷嘴加热圈插座	○	○	○	○	○
> 按照 VDMA24466 标准模板上机械手安装孔布置	●	●	●	●	●
> 简易的亚洲型机械手接口	●	●	●	●	●
> 欧洲标准 Euromap67 50 点机械手接口	○	○	○	○	○
> 三种工作信号接口：空循环，全自动，半自动	○	○	○	○	○
> 欧洲标准 Euromap63 数据接口，用于连接主计算机	○	○	○	○	○

- 基本配置
- 选配装置
- 不可选

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Equipment LISONG G 1600 ... 4,200 kN

Clamping unit	160	210	280	350	420	Clamping unit	160	210	280	350	420
> Compact units with fully hydraulic clamping system with two clamp cylinders and a volume multiplier for fast machine cycles and low energy consumption	—	—	—	—	—	> Ejector pressure and speed programmable for simultaneous operation with mould movement, including positioning control	○	○	○	○	○
> Short-length,5-point double toggle	—	—	—	—	—	> Operation with open safety guard non operator side	○	○	○	○	○
> Moving platen supported by roller on machine base	—	—	—	—	—	> Ejector forward after mould open	●	●	●	●	●
> Moving platen supported by linear guides on machine base	—	—	—	—	—	> Position-stabilising non-return valve combination for ejector for spring-loaded tools(not possible for ejector with closed loop position control)	○	○	○	○	○
> Clamp force adjustable at Control, including indication of actual value	●	●	●	●	●	> Stroke measuring system for injection operation and movement of the injection unit	○	○	○	○	○
> Clamp force control with indication	●	●	●	●	●						
> Mould mounting dimensions in accordance to Euromap, without side ejector platen	○	○	○	○	○	> Active Q:Active mould safety via sensor with mould movement	○	○	○	○	○
> Mould mounting dimensions in accordance to Euromap, with side ejector platen	○	○	○	○	○	> Core puller with 1,2 or 4 circuits and sequence matrix for independent(serial operation) programming of speed control	○	○	○	○	○
> Mould platen layout universal	—	—	—	—	—	> Core puller with 1,2 or 4 circuits(from 500 kN) and sequence matrix for independent(parallel operation) programming of speed control	○	○	○	○	○
> Mould platen layout similar to JIS	○	○	○	○	○	> Additional connections for two core-pullers on fxd platen(from 500 kN)	○	○	○	○	○
> Automatic central oil lubrication for toggle	●	●	●	●	●	> Manual pressure relief for 1,2 or 4 core pullers	○	○	○	○	○
> Upper tiebar on operator side retractable	—	—	—	—	—	> Sequence matrix for free programming of ejectors and core pullers(serial operation)	○	○	○	○	○
> Upper tiebar on non-operator side retractable	—	—	—	—	—	> Sequence matrix for free programming of ejectors and core pullers(simultaneous to mould movement)	○	○	○	○	○
> Manual clamping mechanism for tiebar retraction	—	—	—	—	—	> Flexible movement of the clamp unit with or without multiple movement of the ejector and core pullers	○	○	○	○	○
> Automatic tiebar retraction,upper tiebar on non-operator side	—	—	—	—	—	> 1 or 2 pneumatic 5/2 directional valves, mounted to moving platen and freely programmable	○	○	○	○	○
> Two-stage adjustable clamp force	—	—	—	—	—	> 1 or 2 pneumatic 5/2 directional valves, mounted to fxd platen and freely programmable	○	○	○	○	○
> Extended mould height	○	○	○	○	○	> 4-way cooling water volume controller	○	○	○	○	○
> Reduced mould height(from 500 kN)	—	—	—	—	—						
> Automatic mould height adjustment	○	○	○	○	○						
> Hydraulic central ejector with jolt stroke feature	●	●	●	●	●						
> Short / long stroke ejector	●	●	●	●	●						
> Programmable ejector stroke, pressure and speed	●	●	●	●	●						
> Ejector pressure and speed programmable	●	●	●	●	●						
> Ejector pressure and speed programmable for simultaneous operation with mould movement	○	○	○	○	○						

- Basic equipment
- Additional price
- Not available

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Clamping unit	160	210	280	350	420	Injection unit	160	210	280	350	420
> 4 additional cooling water volume controllers	○	○	○	○	○	> Hydraulic control for hot runner nozzles(not in combination with hydraulic valve nozzle)	○	○	○	○	○
> Time-programmable switch-off of mould cooling	○	○	○	○	○	> Pneumatic hot runner shut off control	○	○	○	○	○
> Blow-through feature for mould cooling lines	○	○	○	○	○	> Hydraulic screw motor for high screw speeds(rpm)	○	○	○	○	○
> Automatic safety gate on operator side	○	○	○	○	○	> Hydraulic screw motor for high torque	○	○	○	○	○
						> Frequency controlled electric screw drive with AC servo motor(from UI310)	—	○	○	○	○
Injection unit	160	210	280	350	420	> Stainless steel feed hopper	○	○	○	○	○
> Flexible movement of the injection unit	○	○	○	○	○	> Drill pattern for feed hopper	●	●	●	●	●
> Barrel adaptable for 4 injection units	●	●	●	●	●	> Closed-loop control for feed zone temperature	○	○	○	○	○
> Wear and corrosion resistant universal thermoplastic screw, nitrided cylinder	○	○	○	○	○	> Barrel quick change with central connectors for heaters and thermocouples,and automatic barrel recognition	○	○	○	○	○
> Special screws(≤Φ60mm)for processing various materials, with screws and non-return valves in wear and corrosion resistant or heavy duty design(powdermetal)	○	○	○	○	—	> Programmable profiles for closed-loop control of injection speed,holding pressure,back pressure and screw speed parameters	●	●	●	●	●
> Barrel with bi-metal lining	○	○	○	○	○	> Injection with DFE pump and closed-loop control of pressures and speed	—	—	—	—	—
> Open nozzle with M60x3 connection thread for screws from 50 mm	—	—	—	—	—	> Closed loop control of injection,holding pressure and back-pressure by ser vovale, closed loop control of screw speed	○	○	○	○	○
> Open nozzle with M24x1,5 connection thread, from 50 mm screw diameter onwards incl.adapter	—	—	—	—	—	> Switch-over to holding pressure depending on hydraulic pressure, with acquisition of maximum value and pressure recording	○	○	○	○	○
> Extended open nozzle	○	○	○	○	○	> Switch-over to holding pressure depending on cavity pressure, with pressure recording for 1 or 2 pressure transducers	○	○	○	○	○
> Pneumatic shut off nozzle incl.control (up to IU 580)	○	○	○	○	○	> Programmable nozzle contact pressure	○	○	○	○	○
> Hydraulic shut off nozzle incl. control(from IU 580)	—	—	—	—	—	> Residual nozzle sealing force programmable	○	○	○	○	○
> Needle shut off nozzle (up to IU2300)	○	○	○	—	—	> Nozzle movement at same time as closing via prop. valve	○	○	○	○	○
> Melt temperature measuring(only for open nozzles)	—	—	—	—	—	> Two-stage injection unit movement	○	○	○	○	○
> Controlled barrel heating zones(ceramic heaters) , number of zones dependent on injection unit,and one controlled nozzle heating zone.	●	●	●	●	●						
> Each temperature control circuit with setpoint deviation control and thermocouple break resistance;barrel operating temperatures up to 450℃ , above 400℃ with pressure limitation	○	○	○	○	○						
> Hot runner control,3 to 24 zones integrated	○	○	○	○	○						

- Basic equipment
- Additional price
- Not available

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Equipment LISONG G 1600 ... 4,200 kN

Hydraulics	160	210	280	350	420
> Servo pump drive	●	●	●	●	●
> Pump unit with increased drive capacity	○	○	○	○	○
> Oil cooling unit with increased cooling capacity	○	○	○	○	○
> Closed-loop control of oil temperature depending on temperature reading	○	○	○	○	○
> Separate circuits for oil an mould cooling	●	●	●	●	●
> Pre-heating circuit for hydraulic oil	○	○	○	○	○
> Automatic two stage control and display of oil flter contamination	—	—	—	—	—
> Ports for external oil cleaning during production(bypass fltration)	○	○	○	○	○
> Integrated oil cleaning unit for microfne bypass fltration	○	○	○	○	○
Electronics	160	210	280	350	420
> Operator-friendly NC5(NC5+) microprocessor-based operating touch screen panel with large LCD colour monitor	○	○	○	○	○
> Setpoint entry switch-over to physical values(bar, ccm, mm/s)	●	●	●	●	●
> Fault log with trouble shooting hints	●	●	●	●	●
> Quality control with reject parts recognition	●	●	●	●	●
> Printer program for external printer for automatic printout of error log, alarms, messages and changes report	○	○	○	○	○
Electronics	160	210	280	350	420
> Integrated printer including driver software	○	○	○	○	○
> USB-Stick for controlled access	—	—	—	—	—
> Additional operating language for NC5(NC5+)-Control	●	●	●	●	●
Functions	160	210	280	350	420
> Process data acquisition with 100% control as well as graphic recording of process parameters	●	●	●	●	●
> Memo program for external saving of statistics	●	●	●	●	●
> Change log	●	●	●	●	●
> Operator support by integrated help function	—	—	—	—	—
> Additional operating language	○	○	○	○	○
> Three-step start-up program	—	—	—	—	—
> On/off programme with one purging cycle	●	●	●	●	●
> 3 or 6 freely programmable inputs/outputs (Terminal point outside control cabinet)	—	—	—	—	—
Automation	160	210	280	350	420
> Quality reject feature in part removal with Small part separation unit; control for 2 directions	—	—	—	—	—
> Connection of the mould cooling up to the clamping plates	—	—	—	—	—

- Basic equipment
- Additional price
- Not available

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Interfaces	160	210	280	350	420
> VGA interface and interface for AT keyboard(MF-II standard)	—	—	—	—	—
> Interface for mould protection(ejector plate safety)	○	○	○	○	○
> Interface for ejector end switch in mould, slide bar safety and failure monitoring	○	○	○	○	○
> Mould temperature display for 2 circuits	○	○	○	○	○
> Contact for colour-dosing unit with socket	○	○	○	○	○
> CAN-Bus interface for temperature controllers(4 circuits),signal specifed according Demag	○	○	○	○	○
> 20 mA interface(TTY-V24)for up to 6 units integrated temperature controllers	—	—	—	—	—
> Additional 2 point temperature control for nozzle,1 circuit	○	○	○	○	○
> Socket for second nozzle heater band	○	○	○	○	○
> Drill pattern for handling device conf. to VDMA 24466	●	●	●	●	●
> Simply handling device interface Asia	●	●	●	●	●
> 50-pin handling device interface conf. to Euromap 67 (VDMA)	○	○	○	○	○
> Data interface for there signals:dry cycling, automatic, and semi-automaticoperation	○	○	○	○	○
> Data interface for main computer systems in accordance with Euromap 63	○	○	○	○	○
General	160	210	280	350	420
> Joint power supply for drive and heating	●	●	●	●	●
> Separate power supply for both drive and heating	○	○	○	○	○
> Single-phase 230V/50Hz/10Amp socket in specifc national version	●	●	●	●	●
> Socket combination integrated, switching off via main switch: 2xC EE 1 PH/230V/10A; 2XCEE 3PH/400V,16A/32A.	●	●	●	●	●
> Supply voltage 400V, 3/N/PE,50Hz	●	●	●	●	●
> Specifc national supply voltage	○	○	○	○	○
> Basic equipment in compliance with Chinese safety standards(GB22530-2008)	●	●	●	●	●
> Basic equipment in compliance with national safety standards	○	○	○	○	○
> Fault indication by flashing signal	●	●	●	●	●
> Fault indication by acoustic alarm	●	●	●	●	●
> Freely assignable output for fault indication	○	○	○	○	○
> Flexible machine supports with rubber-to-metal components	●	●	●	●	●

- Basic equipment
- Additional price
- Not available

The shown specifications reflect the state at the time of printing. We reserve the right to modify specifications.