

## Features

- Box mold platen design means stable and precise molding.
- Five-point toggle mechanism ensures long life span and reliable movement.
- High-g geared hydraulic system design features high accuracy, consistency and efficiency.
- Applied brand valves and pumps such as Vickers, Yukon or Rexroth to ensure machine with high performance and low maintenance.
- Twin-cylinder guarantees balanced injection.
- Pressure and flow proportional controlled.
- Multi-stage pressure/speed injection.
- Low-pressure mold protection.
- Linear sensors assure high accuracy on injection, clamping and ejection.
- Mold alignment driven by hydraulic motor. Mold adjustment can be done in short time with high accuracy at low pressure.
- Large LCD monitor shows current running status and the controller stores up to 100 mold settings.
- Integrated self-diagnosis is programmed in the control system with clear indications of the errors on the monitor.

## Optional

- Double hydraulic core pulling
- Air blow
- Hydraulic unscrew device
- Hydraulic safety device
- Hopper dryer
- Auto loader
- Hopper magnet
- Mold clamps
- Chiller
- Dehumidifier
- Mold temperature controller
- Oil bypass filter

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# ALL Series

# INJECTION MOLDING MACHINE

## ALL系列注塑成型机

宁波奥力机械有限公司  
NINGBO AOLI MACHINERY CO.,LTD.

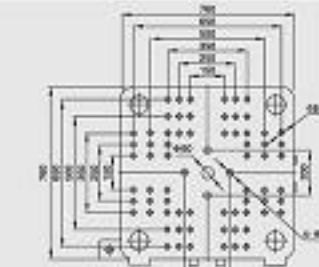
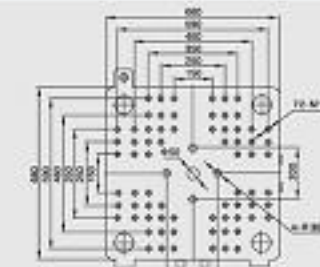
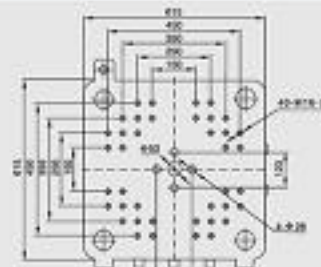
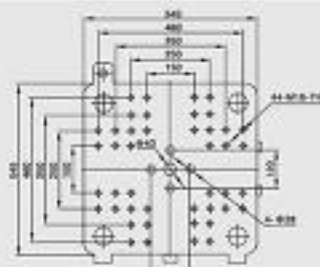
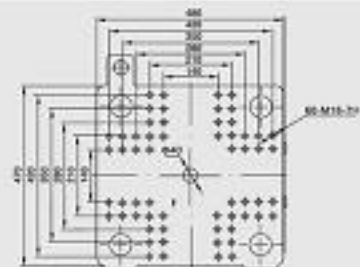


## 技术规格参数表

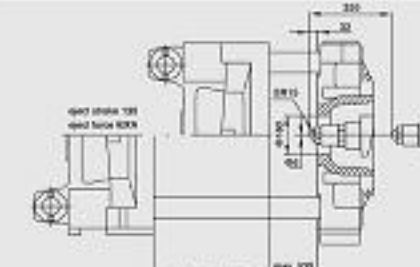
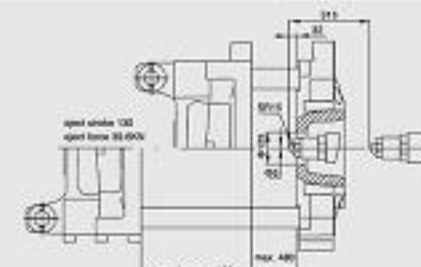
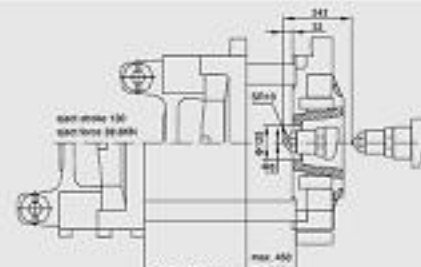
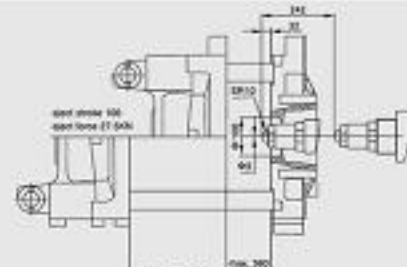
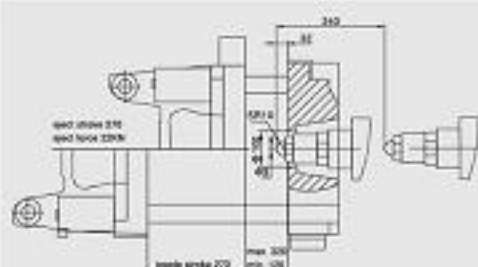
## Specifications

说明	DESCRIPTION	UNIT	ALL-58			ALL-88			ALL-128			ALL-168			ALL-218		
项目	Item	—	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
<b>注射装置</b>			<b>INJECTION UNIT</b>														
螺杆直径	Screw Diameter	mm	26	30	34	35	37	40	37	40	43	40	45	48	45	50	55
螺杆长径比	Screw L/D Ratio	L/D	24	21	19	20.6	19.5	18	21.1	19.6	18.2	22.5	20	18.8	22.2	20	18.2
理论注射容量	Shot Volume(Theoretical)	cm <sup>3</sup>	66	88	113	123	137	160	172	201	232	270	342	389	334	412	499
注射重量	Shot Weight	g/ (克)	60	80	103	110	123	145	154	181	209	243	308	350	301	371	449
	( PS )	oz (盎司)	2.1	2.8	3.6	3.9	4.3	5.1	5.43	6.38	7.37	8.57	10.9	12.4	10.7	13.2	15.9
注射压力	Injection Pressure	MPa	245	184	143	193	173	148	196	168	145	201	159	140	216	175	144
注射速度	Injection Speed	mm/s		120			93			99			114			96	
螺杆转速	Screw Speed	rpm		0~220			0~220			0~220			0~180			0~180	
<b>合模装置</b>			<b>CLAMPING UNIT</b>														
合模力	Clamping Force	KN		580			880			1280			1680			2180	
移模行程	Toggle Stroke	mm		270			320			365			425			470	
拉杆间距	Space Between Tie Bars	mm		310 X 310			365 X 365			412 X 412			465 X 465			515 X 515	
最大模厚	Max.Mould Height	mm		320			380			450			480			530	
最小模厚	Min.Mould Height	mm		120			150			160			180			200	
顶出行程	Ejector Stroke	mm		70			100			130			130			130	
顶出力	Ejector Force	KN		22			27.5			39.6			39.6			62	
顶出杆根数	Ejector Number	n		1			5			5			5			5	
<b>其 它</b>			<b>OTHERS</b>														
最大油泵压力	Max.Pump Pressure	Mpa		17.5			16			16			16			16	
油泵电机功率	Pump Motor Power	KW		7.5			11			13			15			18.5	
电热功率	Heater Power	KW		5.1			5.8			7.6			10			11.65	
外型尺寸	Machine Dimensions(LxWxH) m			3.78 X 1.02 X 1.81			3.92 X 1.08 X 2.04			4.39 X 1.12 X 2.08			4.98 X 1.21 X 2.22			5.60 X 1.34 X 2.27	
油箱容积	Oil Tank Capacity	Liter		120			185			185			200			280	
机器重量	Machine Weight	Ton		2.5			3.5			4.0			5.5			6.7	

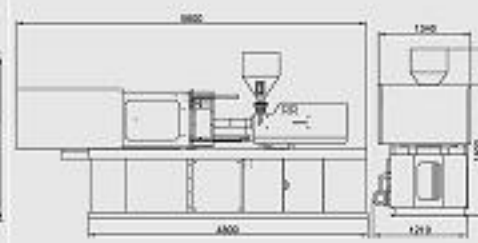
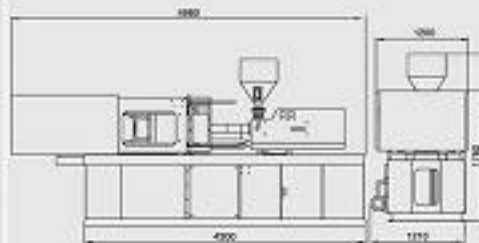
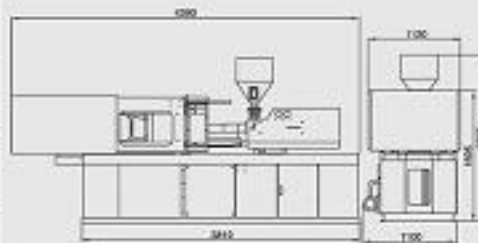
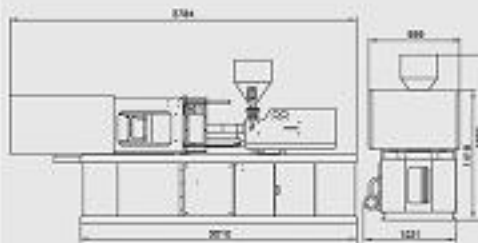
模板正面尺寸  
PLATEN DIMENSION



模板反面尺寸  
PLATEN DIMENSION



外型尺寸  
MACHINE DIMENSIONS



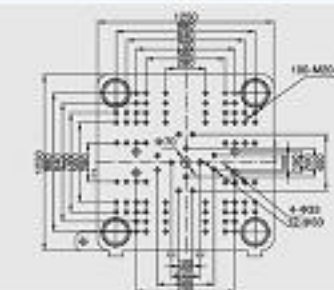
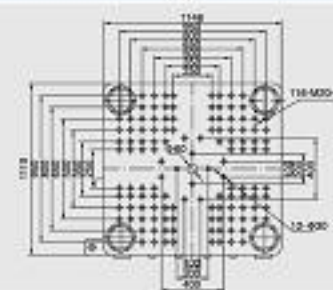
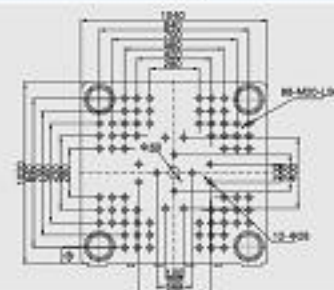
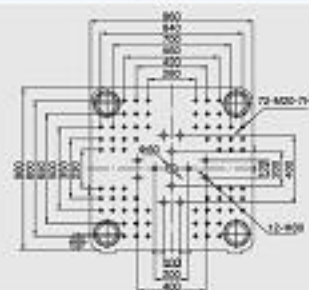
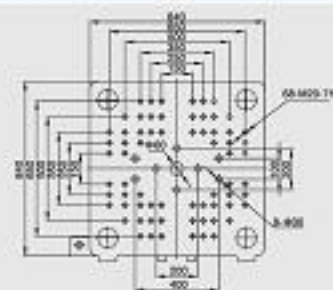
Remarks: Specifications are subject to change without notice.  
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## 技术规格参数表

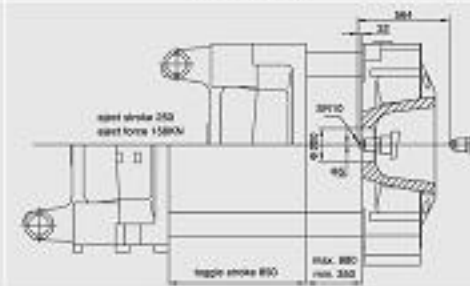
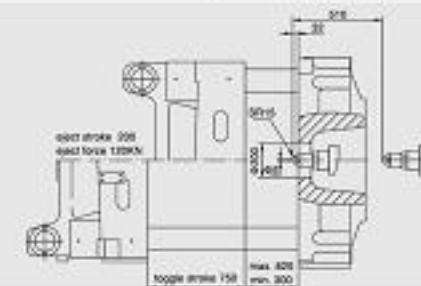
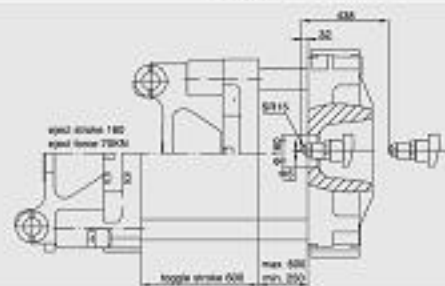
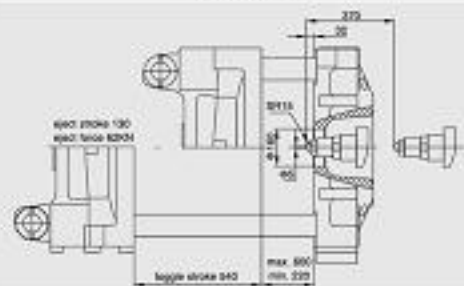
## Specifications

说明	DESCRIPTION	UNIT	ALL-268			ALL-308			ALL-368			ALL-468			ALL-568			
项目	Item	—	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	
<b>注射装置</b>			<b>INJECTION UNIT</b>															
螺杆直径	Screw Diameter	mm	50	55	60	60	65	70	65	70	75	75	80	84	75	84	90	100
螺杆长径比	Screw L/D Ratio	L/D	22.5	20.5	18.8	21.7	20	18.6	22.4	20.6	19.2	21.4	20	19	23.6	21.1	19.7	17.7
理论注射容量	Shot Volume(Theoretical)	cm <sup>3</sup>	490	593	707	727	853	989	1094	1269	1457	1722	1959	2160	1808	2492	2861	3532
注射重量	Shot Weight	g/ (克)	441	534	636	662	776	900	995	1154	1325	1567	1786	1966	1627	2242	2575	3179
	(PS)	oz (盎司)	15.6	18.8	22.4	23.3	27.3	31.7	35	40.7	46.7	55.3	62.9	69.4	56.1	77.3	88.8	109
注射压力	Injection Pressure	MPa	205	169	142	213	182	157	208	180	156	177	156	141	205	163	142	115
注射速度	Injection Speed	mm/s		91			86			92			96				90	
螺杆转速	Screw Speed	rpm		0~180			0~180			0~180			0~160				0~120	
<b>合模装置</b>			<b>CLAMPING UNIT</b>															
合模力	Clamping Force	KN		2680			3080			3680			4680				5680	
移模行程	Toggle Stroke	mm		540			600			700			750				850	
拉杆间距	Space Between Tie Bars	mm		570 X 570			660 X 660			725 X 705			800 X 762				835 X 835	
最大模厚	Max.Mould Height	mm		600			660			750			820				880	
最小模厚	Min.Mould Height	mm		220			250			250			300				350	
顶出行程	Ejector Stroke	mm		130			160			160			200				250	
顶出力	Ejector Force	KN		62			70			110			120				158	
顶出杆根数	Ejector Number	n		9			13			13			13				17	
<b>其它</b>			<b>OTHERS</b>															
最大油泵压力	Max.Pump Pressure	Mpa		16			16			16			16				16	
油泵电机功率	Pump Motor Power	KW		22			30			37			45				55	
电热功率	Heater Power	KW		14.7			17			19.65			23.65				34	
外型尺寸	Machine Dimensions(LxWxH) m			5.84 X 1.41 X 2.34			6.80 X 1.71 X 2.42			7.23 X 1.87 X 2.57			8.00 X 1.92 X 2.71				8.82 X 2.32 X 2.80	
油箱容积	Oil Tank Capacity	Liter		315			550			650			700				1200	
机器重量	Machine Weight	Ton		9			11			15			20				30	

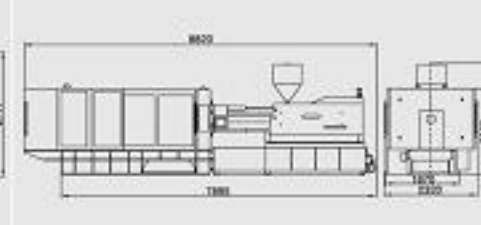
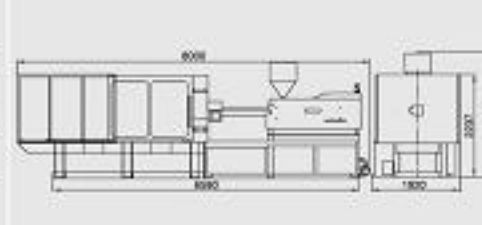
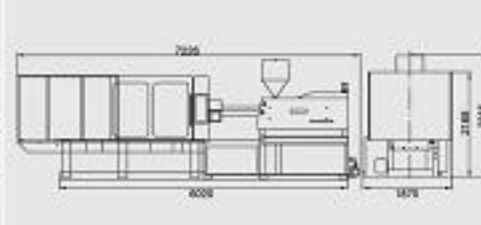
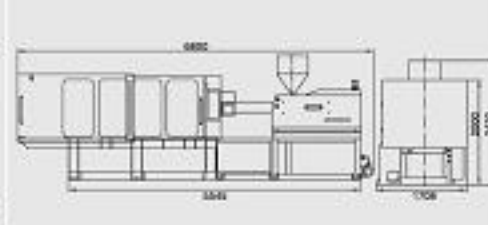
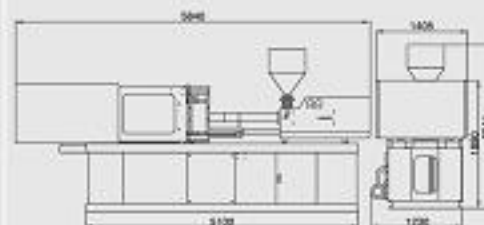
模板正面尺寸  
PLATEN DIMENSION



模板反面尺寸  
PLATEN DIMENSION



外型尺寸  
MACHINE DIMENSIONS



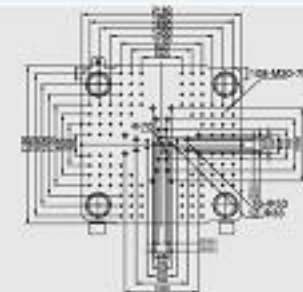
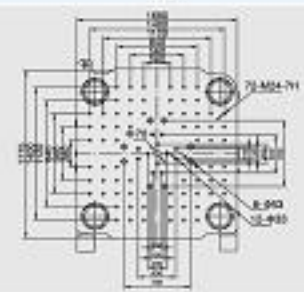
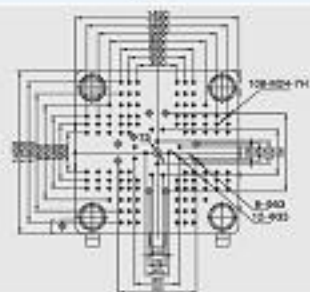
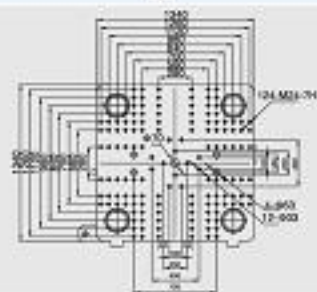
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## 技术规格参数表

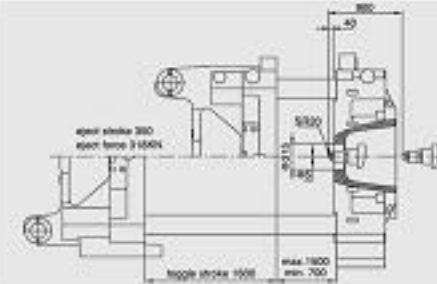
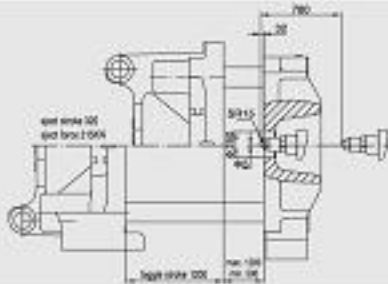
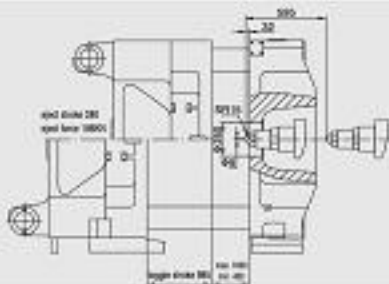
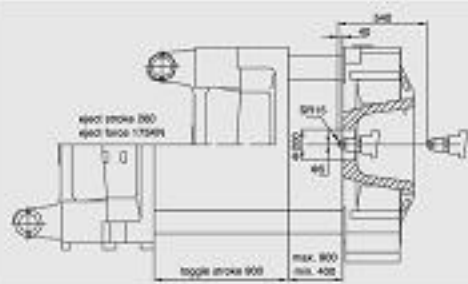
## Specifications

说明	DESCRIPTION	UNIT	ALL-650				ALL-780				ALL-1000				ALL-1600			
项目	Item	—	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	
<b>注射装置</b>			<b>INJECTION UNIT</b>															
螺杆直径	Screw Diameter	mm	80	90	100	110	90	100	110	120	100	110	120	130	120	130	140	150
螺杆长径比	Screw L/D Ratio	L/D	24.8	22	19.8	18	24.5	22	20	18.3	24.3	22.1	20.2	18.7	26.1	24.1	22.4	20.9
理论注射容量	Shot Volume(Theoretical)	cm <sup>3</sup>	2036	2576	3181	3849	2925	3611	4369	5200	3786	4581	5451	6398	6672	7831	9082	10426
注射重量	Shot Weight	g/ (克)	1853	2344	2895	3503	2632	3250	3932	4680	3445	4168	4960	5822	6071	7126	8264	9487
	(PS)	oz (盎司)	65.4	82.7	102.1	123.6	91	113	137	163	121.5	147	175	205.4	214.1	251.4	291.5	334.6
注射压力	Injection Pressure	MPa	224	177	143	118	228	184	152	128	211	174	146	125	193	164	142	123
注射速度	Injection Speed	mm/s	95				88				96				104			
螺杆转速	Screw Speed	rpm	0~120				0~120				0~110				0~99			
<b>合模装置</b>			<b>CLAMPING UNIT</b>															
合模力	Clamping Force	KN	6500				7800				10000				16000			
移模行程	Toggle Stroke	mm	900				985				1200				1600			
拉杆间距	Space Between Tie Bars	mm	895 X 895				980 X 980				1100 X 1100				1500 X 1415			
最大模厚	Max.Mould Height	mm	900				1000				1200				1500			
最小模厚	Min.Mould Height	mm	400				400				500				700			
顶出行程	Ejector Stroke	mm	260				280				320				350			
顶出力	Ejector Force	KN	175				186				215				318			
顶出杆根数	Ejector Number	n	17				21				21				29			
<b>其它</b>			<b>OTHERS</b>															
最大油泵压力	Max.Pump Pressure	Mpa	16				16				16				16			
油泵电机功率	Pump Motor Power	KW	30+30				37+37				45+45				45+45+45			
电热功率	Heater Power	KW	46.45				58.45				68.45				91.9			
外型尺寸	Machine Dimensions(LxWxH) m		9.93 X 2.45 X 2.43				11.00 X 2.60 X 3.80				11.90 X 2.80 X 4.00				13.85 X 3.43 X 4.20			
油箱容积	Oil Tank Capacity	Liter	1487				1800				2306				2500			
机器重量	Machine Weight	Ton	36				45				56				100			

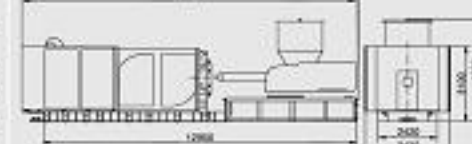
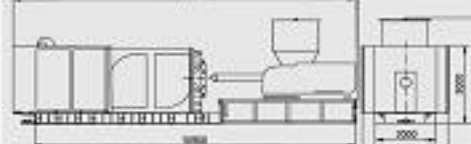
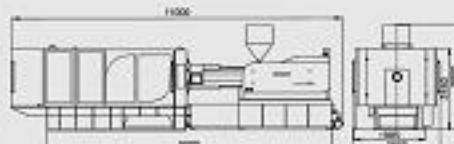
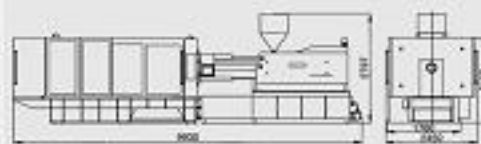
模板正面尺寸  
PLATEN DIMENSION



模板反面尺寸  
PLATEN DIMENSION



外型尺寸  
MACHINE DIMENSIONS



CNC加工中心  
CNC Machines



大批量生产现场  
Mass field of production



万平方米装配车间  
Several thousand square meter of assembly shop



大型金加工车间  
Machining workshop

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