

BOLE 伯乐

Injection Moulding Machine



NINGBO SHUANGMA MACHINERY INDUSTRY CO.,LTD

ROLOP



Leave you deep impression, Highlighted our advantages

Ningbo Shuangma Machinery Industry Co., Ltd, a wholly-owned subsidiary company of Chenglu Group, is founded in 1998. The company devoted itself to creating the "Swift-horse" (BOLE, Best Machine) in China and even in the world. With more than 12 years struggle and development, Shuangma have become Chinese well-known injection molding machine professional manufacturer, which holds independent R&D ability and produces 30 series, over 100 models precision injection moulding, super-energy saving machines, high-speed machines, full-electric machines and special machines for special materials with the clamping force from 60ton~4000ton. The company undertakes the scientific research projects such as "National Important Torch Program" and "National Important New Product Project"; and designates "National High-Tech Enterprise" by the Chinese Ministry of Science and Technology. Now, the company have listed into "China Injection Molding Machine Special Industry Base", which only 3 key enterprises won this honor in Chinese Injection Molding Machine Industry. "Bole" brand has awarded "Zhejiang Province Well-known Brand", "Zhejiang Province Famous-Brand Product" and "China Export Famous Brand".

Shuangma always insists technological innovation. At present, the company have imported four sets net connected MAZATECH FH-8800 Horizontal Type Flexible Manufacturing System---the unique one in China by now, four sets Toshiba CNC machining centers and 2 sets Mitsubishi Machining Center from Japan. All the machining centers are the world top-class machining equipments. The company have established two provincial level engineering R&D centers, invested 30 million USD to build Shuangma industry zone in 2008 which covers 50,000 m2 standard workshops, 20,000 m2 modern office building. Through strong R&D strength and quick market response, the company have developing and creating dozens of advanced technology and new products every year. Further more, the company have established business strategy: "produce energy saving oriented injection molding machine, implement differentiation competition".

Mean-while, Shuangma has actively carried out ERP information management, 6"S" spot management system and passed ISO9001:2000 International Quality System. The company has established higher requirements as quality standards, set quality management responsibility system and carried out results checking assessment system. From the raw material purchasing to finished products delivery, the company is monitoring all levels and steps, so that achieves highly efficiently operation.

Shuangma company always adheres to the "human-oriented" philosophy, offering a broad development stage, attracting a large number of elites and Chinese best injection molding machine R & D team. They have rich experience of developing and designing a full range of plastic injection molding machines. The manufacture can be tailored to your specific high-end injection molding machines to meet your individual needs.

Strong financial strength supports the best R & D, manufacturing, service, marketing teams, which is committed to manufacturing the highest quality injection molding machines in China. "Creating value for customers" is the common dream and goal of unremitting struggle.



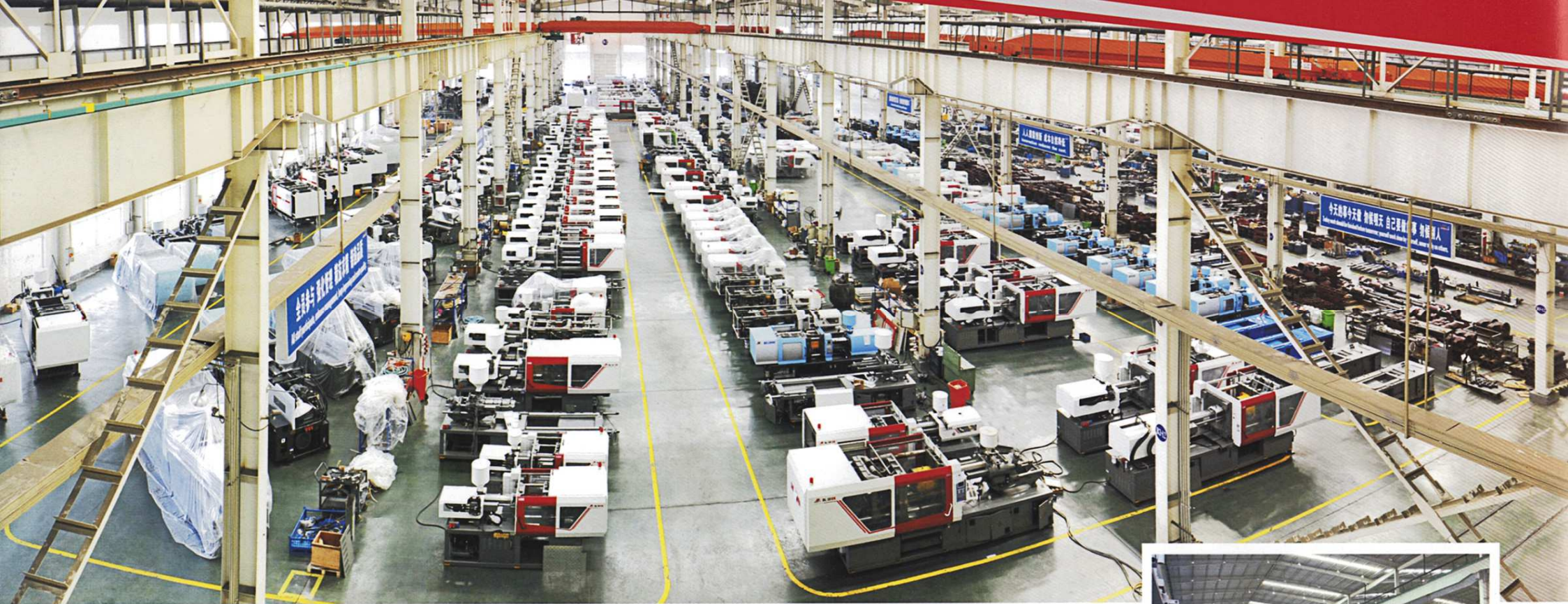
Shuangma Big Events

- In 1998, Shuangma Machinery Industry Co.,Ltd. was established.
- In 2002, Shuangma put to service the kilo-ton injection molding machine designed by its own R&D.
- In 2003, Shuangma was honoured as "Chinese Special Industry Base in injection molding machine"
- In 2004, Shuangma got the honour to carry on National High Technology Research and Development Programme 863, established provincial technical centre.
- In 2005, Shuangma succeeded in servo energy-saving system with intellectual property, the first super energy-saving servo machine on line.
- In 2006, Shuangma was known as "National High-Tech Enterprise" by the Ministry of Science and Technology of PRC.
- In 2007, "BOLE" brand won "Zhejiang Well-Known Brand", "Zhejiang Famous-Brand Product"
- In 2008, Shuangma industry park invested 2 million RMB was founded and put to running.
- In 2009, Shuangma purchased the most advanced equipment in the world: MAZAK FMS, TOSHIBA, MITSUBISHI, and etc.
- In 2009, Shuangma was honoured as "Chinese Top-Ten Plastic Injection Molding Machine Manufacturers"
- In 2010, Shuangma issued the third generation super- energy saving servo system machine: EK series with high cost-effective, big technical paratemers.
- In 2010, Chinese Academy of Sciences and NUAA established at Shuangma Scientific Base specializing in servo system energy-saving program.
- In 2011, Shuangma starts its brand year, fully brings in lean management, starts the EK new era, and faces changes of renewing itself.









With responsible production standard

Quality products need scientific and efficient management, the company long-term adherence to import ISO9001 international quality management system and on-site "6S" management model, from the processing and assembly to testing, each joint are meticulous, strict control.

Through systematic and meticulous, application procedures, standardization, data and information technology to assure each unit accuracy, efficiency, collaboration and continuous operation. Implementation of responsible management will assign specific production tasks, clarification. Each producer has duty. Company improve production efficiency, reduce costs, shorten the production cycle, saving the purchase cost, thus creating more value for customers.



MAZAK FMS



TOSHIBA CNC

ROLOP



Facility is an important part and one of the basic elements of productivity. It is an important tool and material wealth for whom to be survival and development. We know that, both the production equipment to the processing equipment, and the share of corporate assets, or content management, as well as the ability to reflect our competitiveness on the market, it plays a significant role.



Large gantry five-face machining center



Assembly plant for big model machines



Coordinate detector



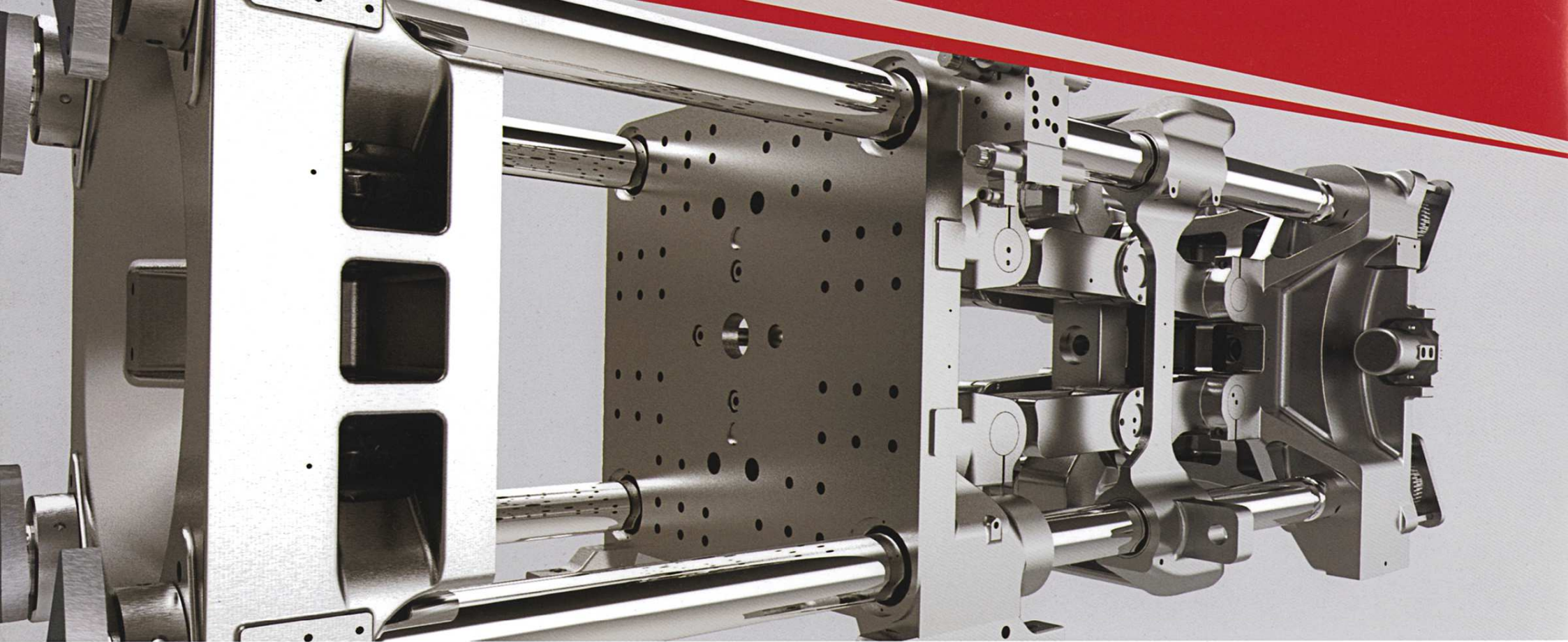
Optical microscopy



Power system integration testing station

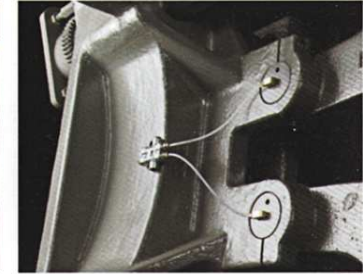
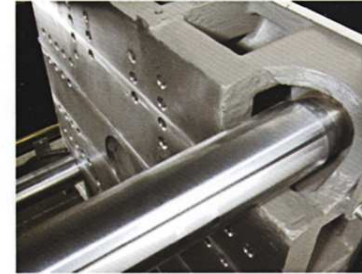
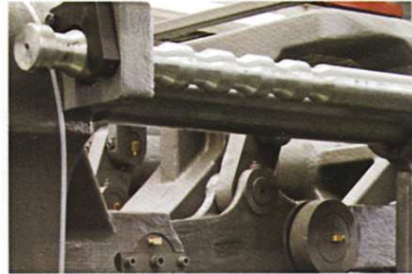
In order to ensure compliance with the corresponding technical requirements and provide customers with high quality products, company have established cooperative relationships with domestic and foreign equipment manufacturers from Europe, Japan, such as: the original imported Japanese Mazak, Toshiba, Mitsubishi and other processing equipment to ensure production efficiency and product quality.



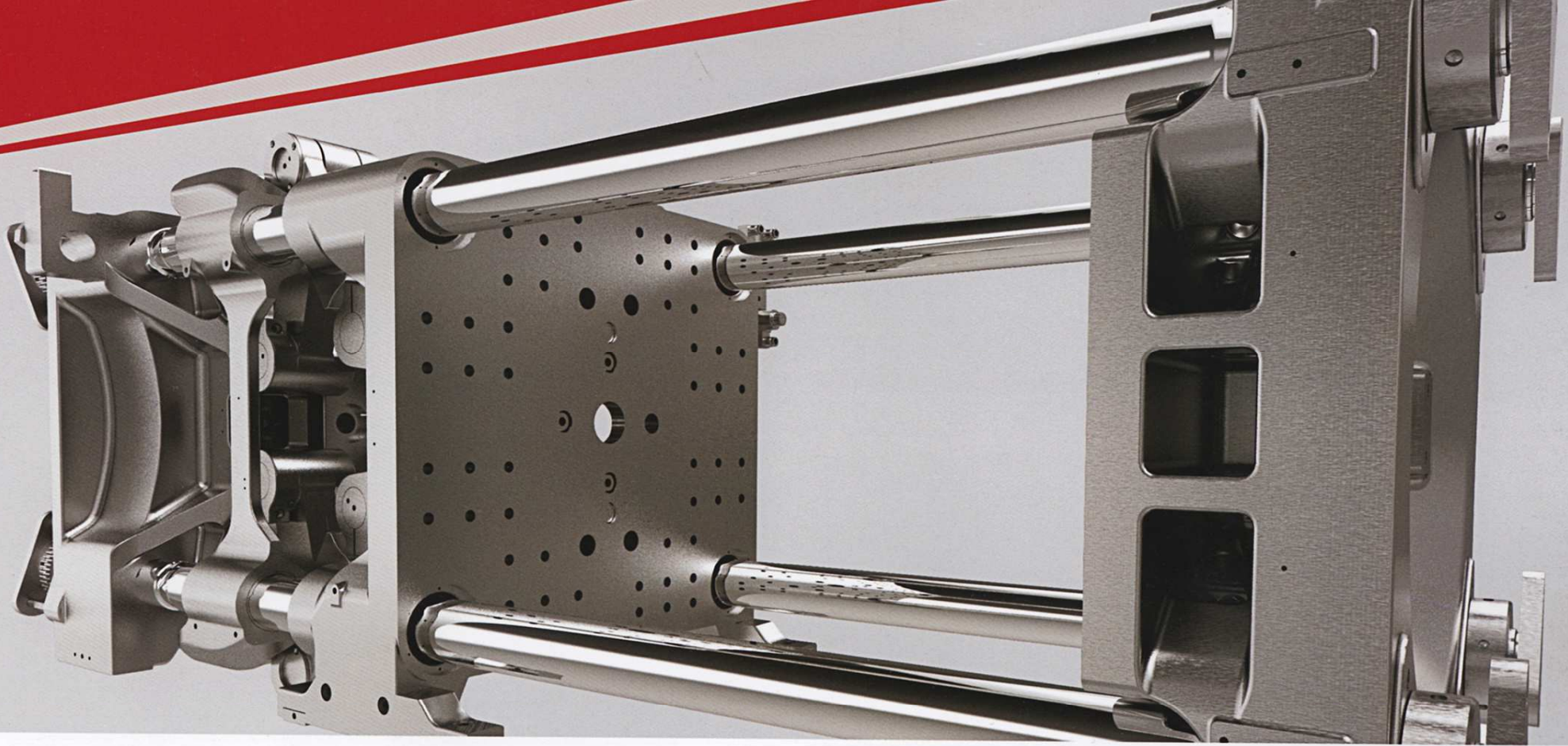


EK Machines Lead the Technological Revolution of Injection Molding Machine Industry

60 persons' R&D team, lasting for 3 years, 10 million RMB investment, 7 times failure, finally developed and created EK series injection molding machine with global initiative external bending clamping structure. EK machines have 4 patents, 8 advantages, which will certainly raise the technological revolution in injection molding machine industry.



ROLOP



■ Three Patents

1. Floating tie-bar fixed structure
2. Split pin fixed structure
3. Semi-flexible stationary template

■ Four Innovations

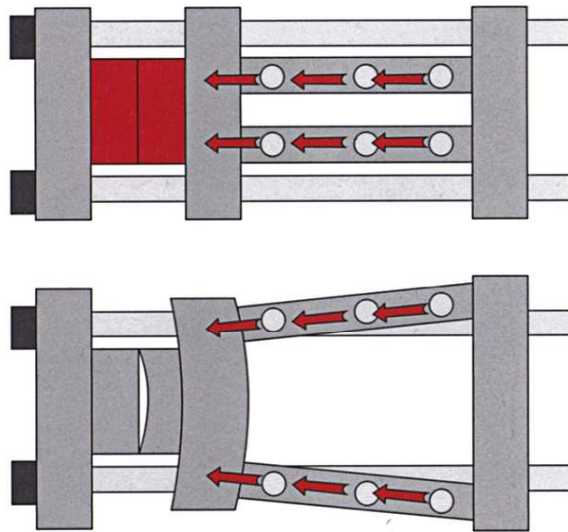
1. Wide template design
2. External bending clamping structure
3. High rigid guided supporting structure
4. European style ejector system

■ Five Advantages

1. Big space between tie-bars
2. Center Clamping
3. Bigger opening stroker, Longer ejector stroke
4. Stable injection
5. Full-servo, super energy saving, energy saving up to 80%

■ Solve Four Major Shortcomings of Traditional Machines

1. Big machine needed for the products with small grams, but large size
2. Both sides of platen are forced to deformation, causes the mould damage or bad deformation
3. Tie-bars broken easily
4. Heavy energy consumption



Features of External Bending Clamping Structure

- External bending and the forces are parallel: protect moulds, and improve accuracy
The forces are parallel to the centre of the mould: avoid product flash when small molds work in big machines
- Reduce pressure losses, reduce load on the pump, and achieve more energy saving
- Completely overcome the deformation of platens subject to the unbalanced forces
- Opening stroke increased by 20% or even more
- Ejector stroke is not limited by toggles, easier for installation and maintenance
- Convenient for installation & maintenance

Advantages of Floating Tie Bars

Less connection between tie bars and mold to make full spring deformation between tie bars and mold increases clamping precision, and protects platens and molds.

Advantages of Semi-flexible Platens

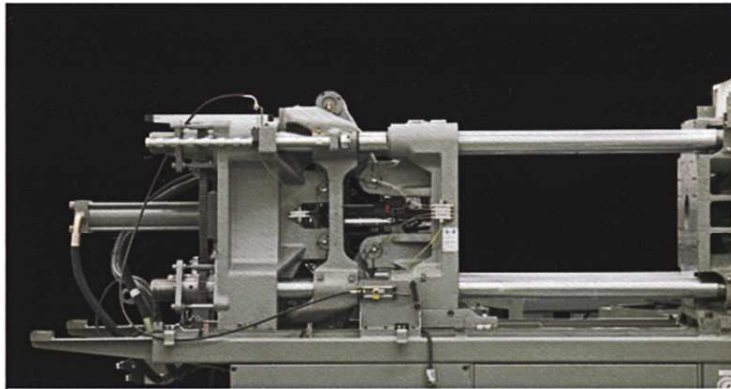
To distribute forces by means of platen spring deformation of the four angles to make average connection of molds, makes up deficiency of mold parallelness to some degree, increases processing precision of products, meanwhile, protects platens themselves, and extends life-span.



BOLE 伯乐

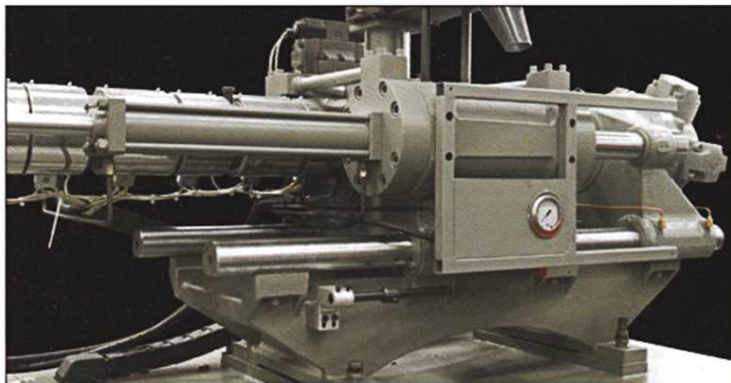
Four Advantages Data Identified by the United States Authorities

- High repeated precision, at 0.53%, v.s. the industry average level 3%
- High load sensitivity, KSP index 1.43%, v.s. the industry average level 5%
- Quick pressure response with 0.41s, v.s. the industry average level 2s
- High ratio of energy-saving, with BL120EK 1.6 kwh, v.s. the industry average level 3.2kwh (subject to different products)



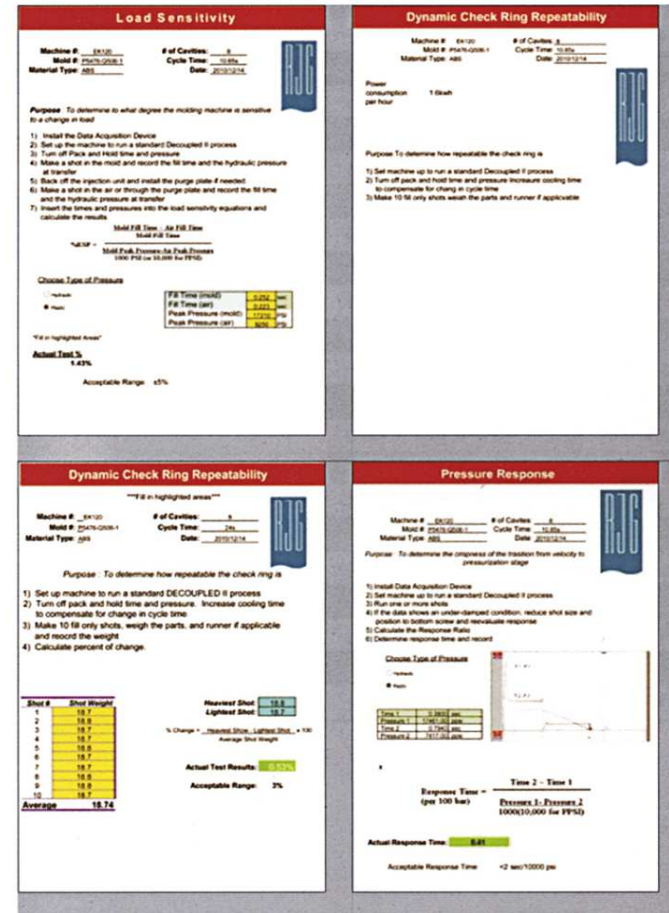
Longger Opening Stroke

The opening stroke of EK machines is bigger by 20% than that of traditional machines, and exceeds all toggle bending injection molding machines at home, especially fit for deep cavity products.

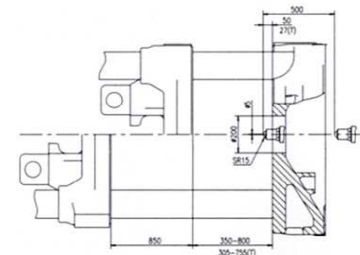
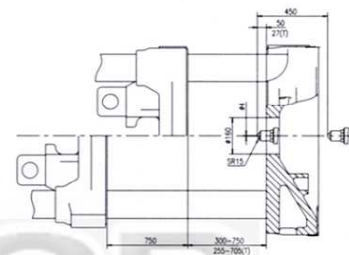
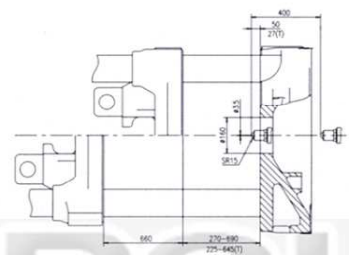
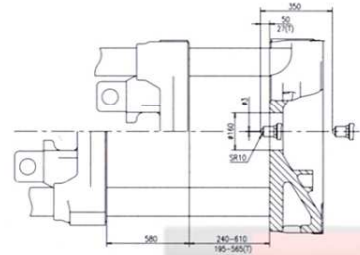
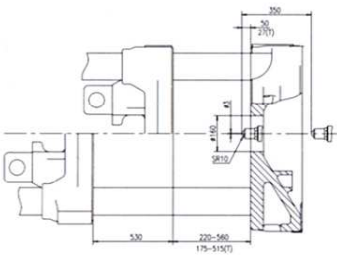


Bigger Injection Capacity

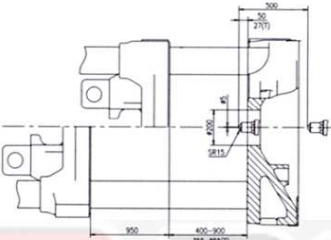
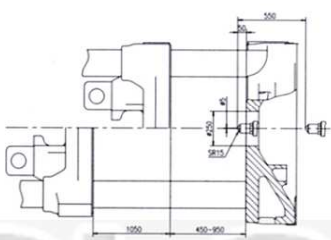
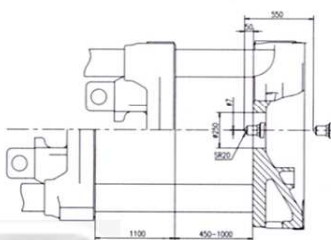
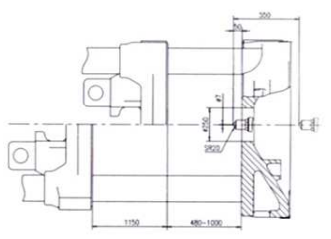
The Euromap of EK machines is bigger than that of Chinese competitors and some European standards, highly increasing the injection capacity.



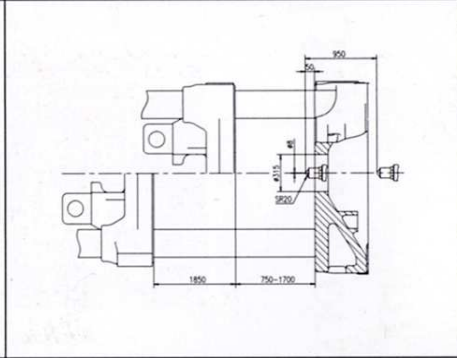
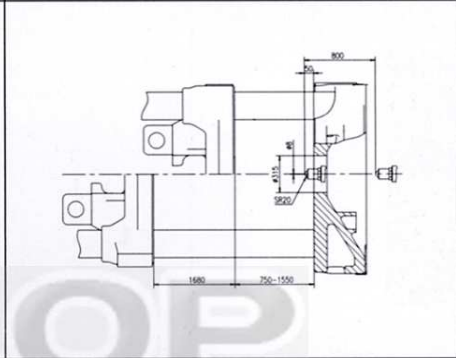
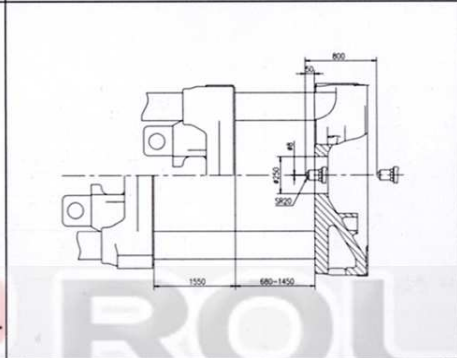
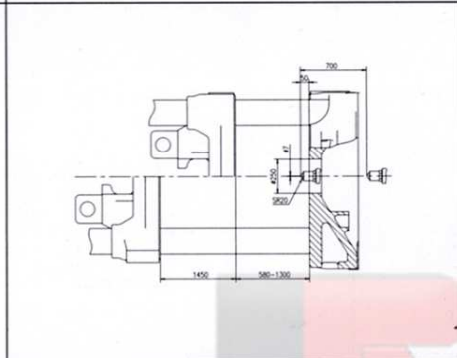
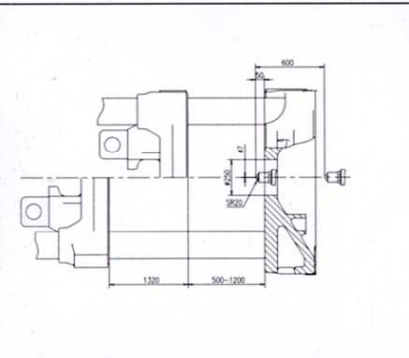
BL200EK 840/2000			BL260EK 1400/2600			BL320EK 1800/3200			BL400EK 2400/4000				BL500EK 3500/5000			
A	B	C	A	B	C	A	B	C	A	B	C	D	A	B	C	D
45	50	55	55	60	65	60	65	70	65	70	75	80	70	80	85	90
22.5	20	18	23	21	19.5	23	21	19.5	23	21	20	18.5	24	21	20	19
398	491	594	689	820	962	905	1062	1232	1211	1405	1613	1835	1597	2086	2355	2640
366	452	546	634	754	885	832	977	1133	1114	1292	1484	1688	1469	1919	2167	2429
12.9	15.9	19.3	22.4	26.6	31.2	29.4	34.5	40.0	39.3	45.6	52.3	59.5	51.8	67.7	76.4	85.7
167	207	250	224	267	313	282	331	384	355	412	473	538	357	467	527	591
211	171	141	200	168	143	200	170	146	197	170	148	130	220	168	149	133
	250			290			320			365				415		
	105			94			100			107				93		
	220			210			175			188				163		
2000			2600			3200			4000				5000			
530			580			660			750				850			
560 × 510			660 × 610			710 × 660			760 × 710				860 × 800			
220(175)			240(195)			270(225)			300(255)				350(305)			
560(515)			610(565)			690(645)			750(705)				800(755)			
1090(1045)			1190(1145)			1350(1305)			1500(1455)				1650(1605)			
150			180			180			210				210			
62			62			62			113				113			
36			36			36			75				75			
9			13			13			13				13			
16			16			16			16				16			
25			30			37			47				17+37			
13.25			18.9			24.1			27.7				32.2			
4+1			4+1			4+1			4+1				5+1			
50			50			50			50				100			
280			350			480			600				750			
5.5 × 1.45 × 2.15			6.1 × 1.48 × 2.2			6.75 × 1.68 × 2.25			7.4 × 1.76 × 2.3				8.1 × 2.2 × 2.6			
6.0			8.0			10.8			14.5				18.5			



BL600-BL2100EK Series Technical Parameters

Items	Unit	BL600EK				BL700EK				BL800EK				BL900EK			
		A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
International Specification		4300/6000				5400/7000				7200/8000				7200/9000			
Injection Unit																	
Screw diameter	mm	80	85	90	100	85	90	100	110	90	100	110	120	90	100	110	120
Screw ratio		22.5	21	20	18	22	21	19	17	23	21	19	17.5	23	21	19	17.5
Theoretical injection capacity	cm ³	2287	2582	2895	3574	2837	3181	3927	4752	3467	4280	5179	6164	3467	4280	5179	6164
Shot weight(PS)	g	2104	2375	2663	3288	2610	2926	3613	4372	3190	3938	4765	5671	3190	3938	4765	5671
	oz	74.2	83.8	93.9	116.0	92.1	103.2	127.4	154.2	112.5	138.9	168.1	200.0	112.5	138.9	168.1	200.0
Injection rate into Air	cm ³ /s	484	546	612	756	595	667	823	996	608	750	908	1080	608	750	908	1080
Injection pressure	MPa	189	167	149	121	188	168	136	113	208	168	139	117	208	168	139	117
Injection stroke	mm	455				500				545				545			
Max. injection speed	mm/s	96				105				95				95			
Max. Screw speed	r/min	137				134				108				108			
Clamping Unit																	
Clamping force	kN	6000				7000				8000				9000			
Opening stroke	mm	950				1050				1100				1150			
Space between tie bar	mm × mm	960 × 860				1060 × 960				1120 × 1020				1160 × 1060			
Min. mould height(T-slot)	mm	400(355)				450				450				480			
Max. mould height(T-slot)	mm	900(855)				950				1000				1000			
Max. distance Platen(T-slot)	mm	1850(1805)				2000				2100				2150			
Ejector stroke	mm	240				270				300				300			
Ejector force forward	kN	152				152				212				227			
Ejector force back	kN	107				107				121				151			
Number of ejector bar	PC	21				21				21				21			
Driving System Power																	
Sys. Pressure	MPa	16				16				16				16			
Pump Motor	kW	25+37				37+37				37+47				37+47			
Heater power	kW	36.1				42.9				49.7				49.7			
Number of temp. control zones		5+1				5+1				5+1				5+1			
Others																	
Hoper capacity	kg	100				100				100				100			
Oil tank capacity	L	850				1000				1200				1200			
Machine dimensions(L×W×H)	m × m × m	8.8 × 2.22 × 2.7				9.6 × 2.65 × 2.7				10.2 × 2.7 × 2.9				10.9 × 2.75 × 2.9			
Machine weight	Ton	22				25				30				40			
Platen Side Size																	

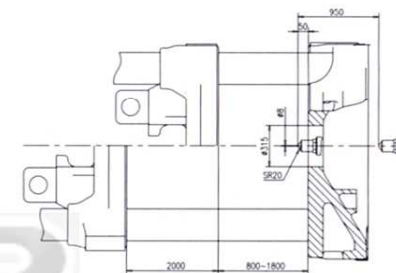
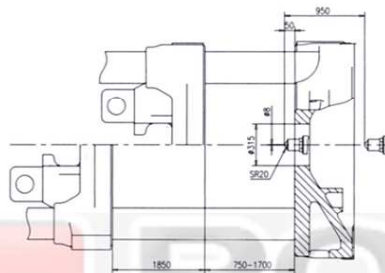
BL1100EK				BL1300EK				BL1500EK				BL1700EK				BL2100EK			
9600/11000				12000/13000				15000/15000				18500/17000				23000/21000			
A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
100	110	120	130	110	120	130	140	120	130	140	150	130	140	150	160	140	150	160	170
23	21	19	18	23	21	19.5	18	23	21	19.5	18	23	21	20	18.5	24	22	21	19
4673	5654	6729	7898	6082	7238	8495	9852	7691	9026	10468	12017	9623	11161	12812	14577	12084	13872	15783	17818
4299	5202	6191	7266	5596	6659	7815	9064	7075	8304	9630	11055	8853	10268	11787	13411	11117	12762	14521	16393
151.6	183.5	218.4	256.3	197.4	234.9	275.7	319.7	249.6	292.9	339.7	390.0	312.3	362.2	415.8	473.0	392.1	450.2	512.2	578.2
684	827	984	1155	854	1016	1193	1384	1016	1193	1383	1588	1093	1268	1455	1656	1296	1488	1693	1911
205	170	142	122	197	166	141	122	193	165	142	124	193	166	145	127	190	165	145	129
	595				640				680				725				785		
	87				90				90				82				84.2		
	93				84				74				63				56		
	11000				13000				15000				17000				21000		
	1320				1450				1550				1680				1850		
	1260 × 1120				1420 × 1220				1520 × 1320				1620 × 1420				1720 × 1520		
	500				580				680				750				750		
	1200				1300				1450				1550				1700		
	2520				2750				3000				3230				3550		
	350				350				400				400				450		
	227				227				332				332				425		
	151				151				256				256				334		
	21				29				29				29				25		
	16				16				16				16				16		
	47+47				37+37+37				37+47+47				47+47+47				25+47+47+47		
	56.5				71.9				74.3				87.3				113.9		
	6+1				6+1				6+1				6+1				8+1		
	200				200				200				200				400		
	1400				1650				2000				2250				2500		
	11.3 × 3.1 × 3.9				12.3 × 3.3 × 4.15				13.5 × 3.56 × 4.3				14.2 × 3.6 × 4.3				15.2 × 3.75 × 4.3		
	50				65				85				105				130		



BL2100-BL4000EK Series Technical Parameters

Items	Unit	BL2100EK				BL2500EK				BL4000EK			
		A	B	C	D	A	B	C	D	A	B	C	D
International Specification													
Injection Unit													
Screw diameter	mm	150	160	170	180	150	160	170	180	170	185	200	220
Screw ratio		23	22	21	20	23	22	21	20	24	22	20	19
Theoretical injection capacity	cm ³	14756	16789	18953	21248	14756	16789	18953	21248	20996	24864	29060	35162
Shot weight(PS)	g	13575	15446	17437	19548	13575	15446	17437	19548	19316	22875	26735	32349
	oz	478.8	544.8	615.0	689.5	478.8	544.8	615.0	689.5	681.3	806.9	943.0	1141.1
Injection rate into Air	cm ³ /s	1409	1603	1809	2028	1409	1603	1809	2028	1443	1709	1997	2416
Injection pressure	MPa	189	166	147	132	189	166	147	132	194	164	141	116
Injection stroke	mm	835				835				925			
Max. injection speed	mm/s	79.7				79.7				63.5			
Max. Screw speed	r/min	53				53				48			
Clamping Unit													
Clamping force	kN	21000								25000			
Opening stroke	mm	1850								2000			
Space between tie bar	mm x mm	1720 x 1520								1820 x 1620			
Min. mould height(T-slot)	mm	750								800			
Max. mould height(T-slot)	mm	1700								1800			
Max. distance Platen(T-slot)	mm	3550								3800			
Ejector stroke	mm	450								500			
Ejector force forward	kN	425								425			
Ejector force back	kN	334								334			
Number of ejector bar	PC	25								33			
Driving System Power													
Sys. Pressure	MPa	16				16				16			
Pump Motor	kW	37+47+47+47				37+47+47+47				47+47+47+47			
Heater power	kW	122.9				122.9				165.3			
Number of temp. control zones		8+1				8+1				8+1			
Others													
Hoper capacity	kg	400				400				400			
Oil tank capacity	L	2750				2750				3000			
Machine dimensions(LxWxH)	m x m x m	16.1 x 3.75 x 4.5				17.2 x 3.95 x 4.5				18.1 x 3.95 x 5.1			
Machine weight	Ton	140				160				170			

Platen
Side Size



BL2800EK

BL3300EK

BL4000EK

41000/28000

70000/28000

70000/33000

90000/33000

90000/40000

A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
170	185	200	220	200	220	230	240	200	220	230	240	230	240	250	260	230	240	250	260
24	22	20	19	24	22	21	20	24	22	21	20	23	22	21	20	23	22	21	20
20996	24864	29060	35162	36285	43905	47987	52251	36285	43905	47987	52251	53804	58584	63568	68755	53804	58584	63568	68755
19316	22875	26735	32349	33383	40393	44148	48071	33383	40393	44148	48071	49500	53898	58483	63255	49500	53898	58483	63255
681.3	806.9	943.0	1141.1	1177.5	1424.8	1557.3	1695.6	1177.5	1424.8	1557.3	1695.6	1746.0	1901.2	2062.9	2231.2	1746.0	1901.2	2062.9	2231.2
1443	1709	1997	2416	1816	2197	2402	2615	1816	2197	2402	2615	2511	2734	2967	3209	2511	2734	2967	3209
194	164	141	116	193	160	146	134	193	160	146	134	168	154	142	131	168	154	142	131
	925				1155				1155				1295				1295		
	63.5				57.8				57.8				60.5				60.5		
	48				54				54				57				57		

28000

33000

40000

2100

2200

2350

1920 × 1720

2110 × 1910

2420 × 2220

850

950

1100

1900

2000

2100

4000

4200

4450

500

550

600

425

565

565

334

442

442

33

25

25

16

16

16

16

16

47+47+47+47

47+47+47+47+47

47+47+47+47+47

47+47+47+47+47+47

47+47+47+47+47+47

165.3

225.9

225.9

252

252

8+1

8+1

8+1

8+1

8+1

400

400

400

400

400

3000

3500

3500

4000

4000

18.5 × 4.15 × 5.1

19.5 × 4.15 × 5.6

20.5 × 4.45 × 5.6

21.5 × 4.45 × 6.0

22.5 × 4.65 × 6.0

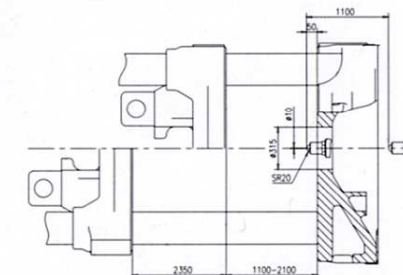
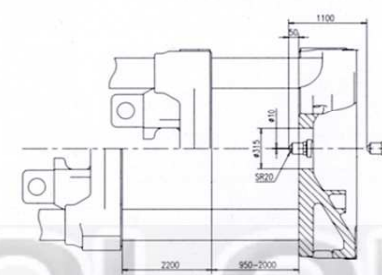
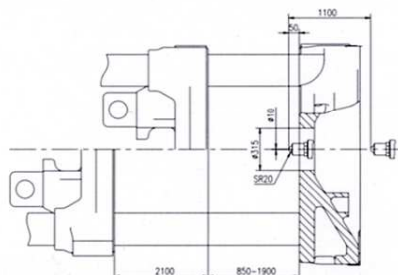
190

210

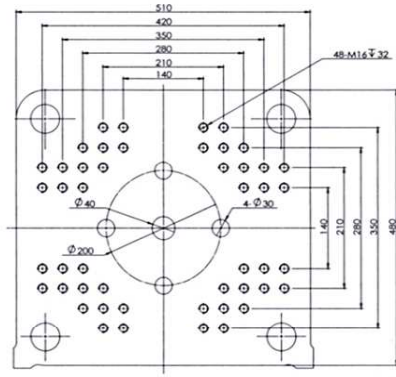
255

280

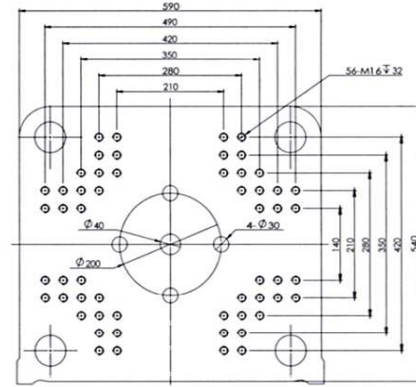
315



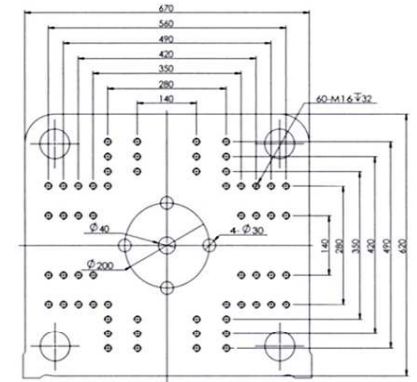
Platen Size



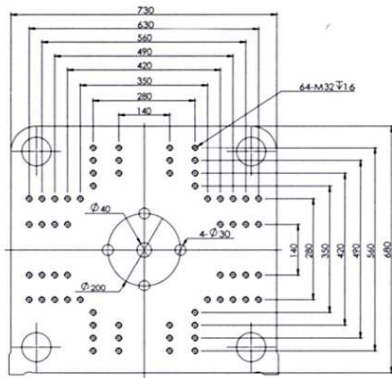
BL60EK



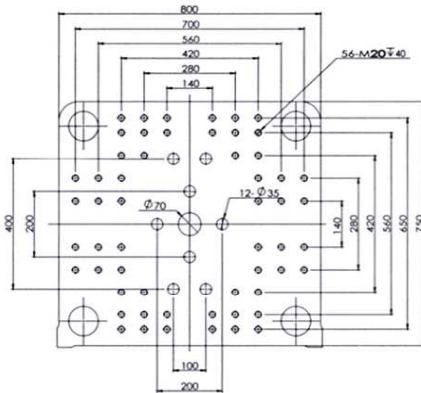
BL90EK



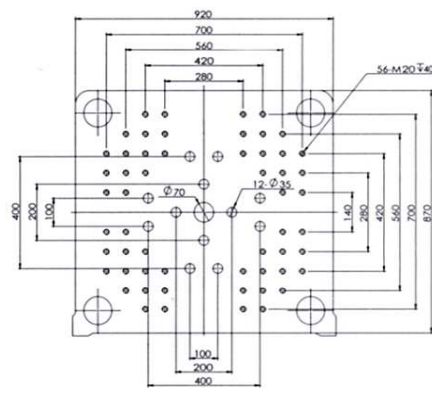
BL120EK



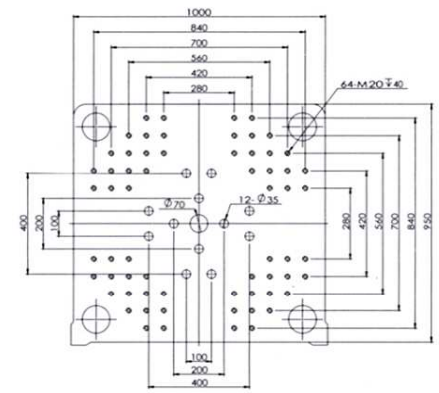
BL160EK



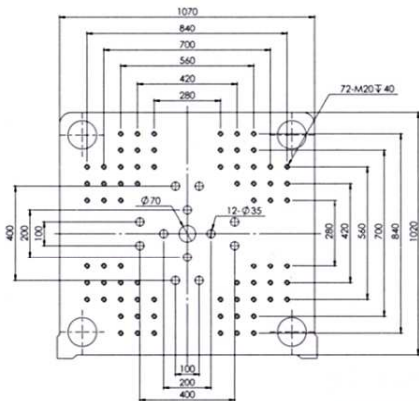
BL200EK



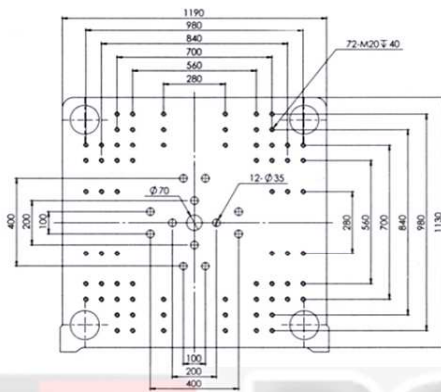
BL260EK



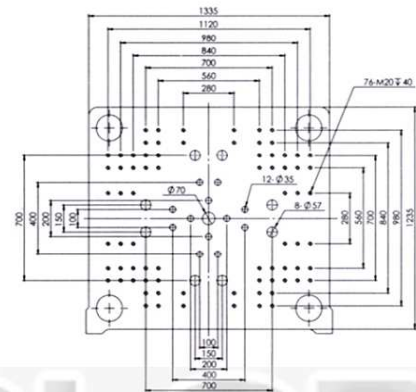
BL320EK



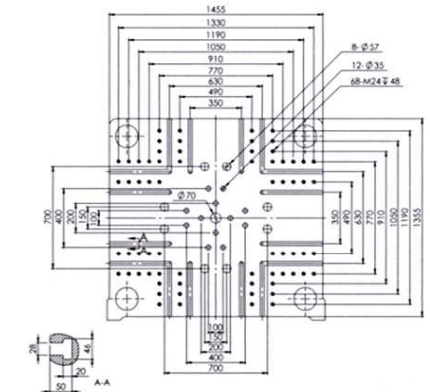
BL400EK



BL500EK

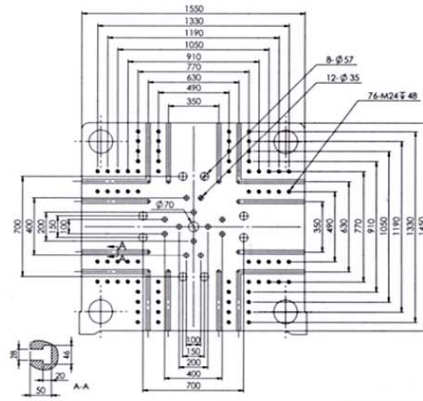


BL600EK

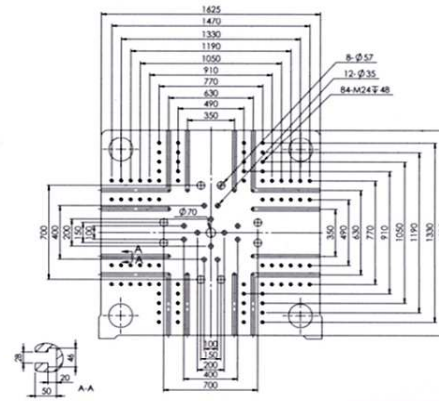


BL700EK

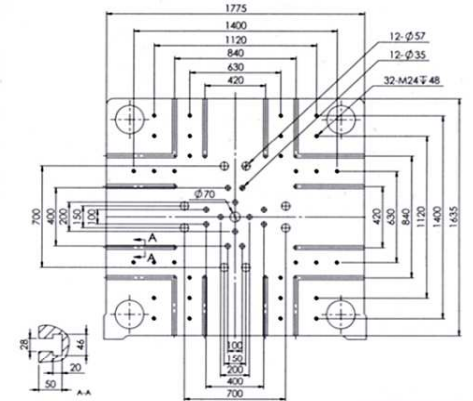
Platen Size



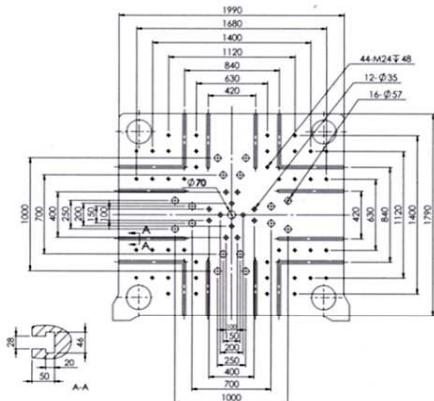
BL800EK



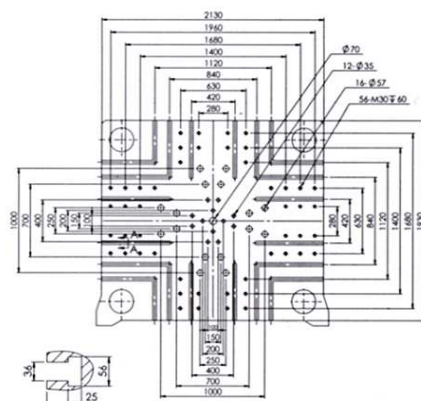
BL900EK



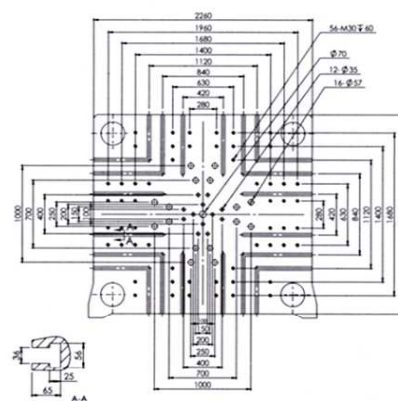
BL1100EK



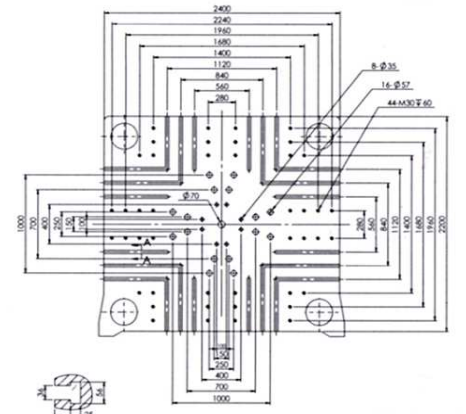
BL1300EK



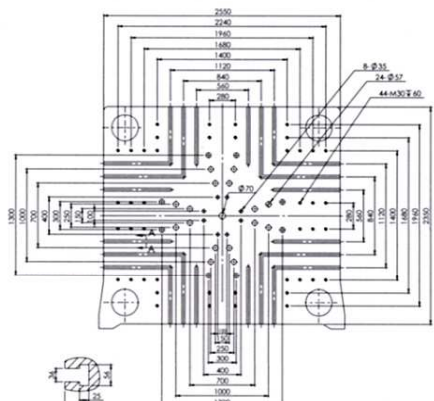
BL1500EK



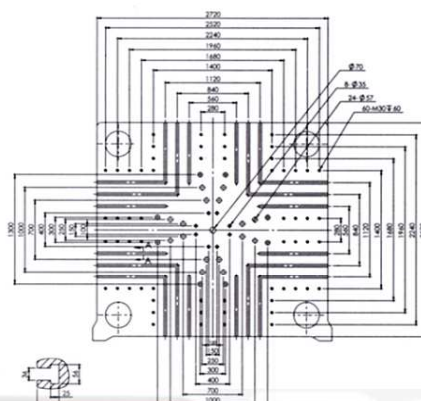
BL1700EK



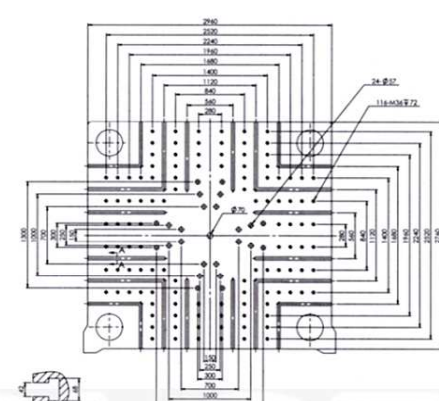
BL2100EK



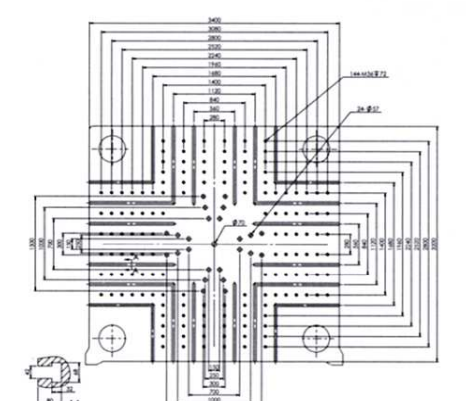
BL2500EK



BL2800EK

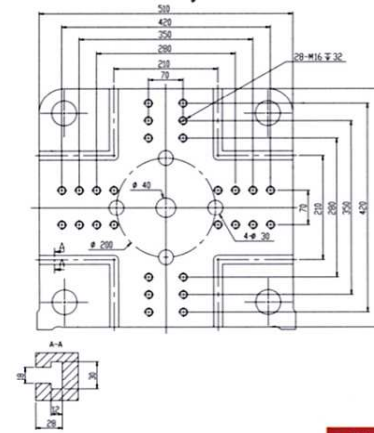


BL3300EK

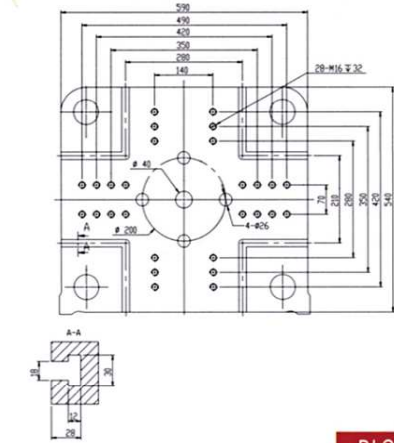


BL4000EK

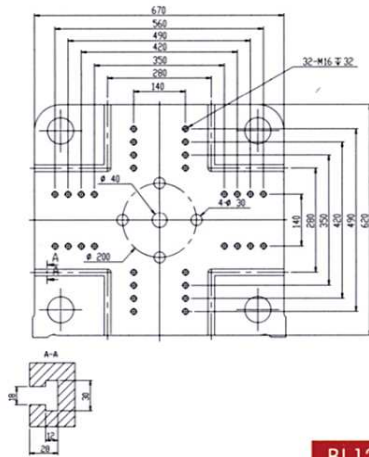
60—600EK
T Slot Platen
Dimension Obverse
Drawing(Optional)



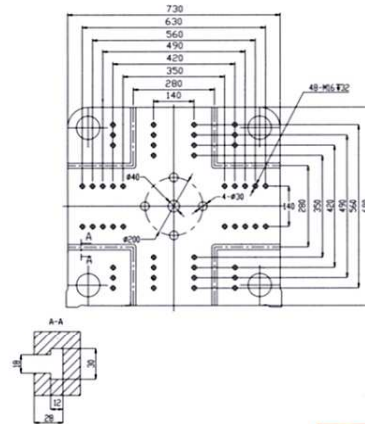
BL60EK



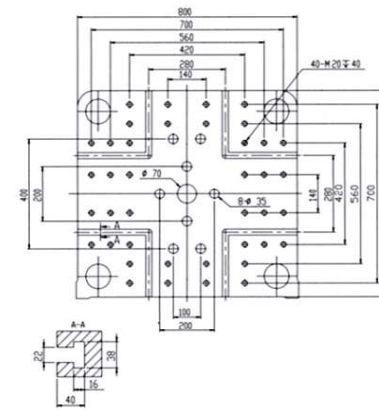
BL90EK



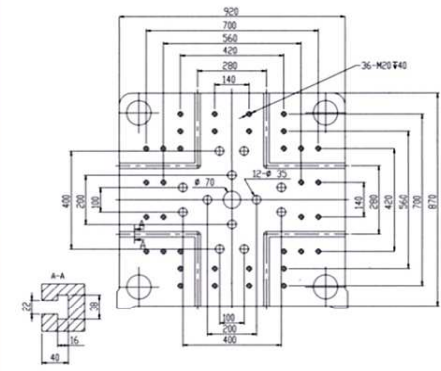
BL120EK



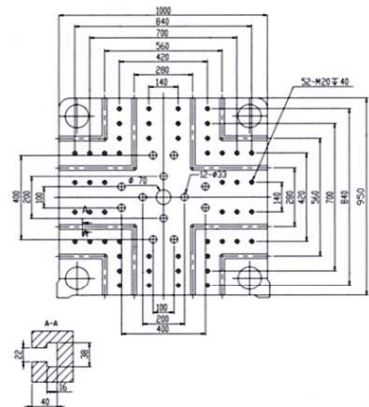
BL160EK



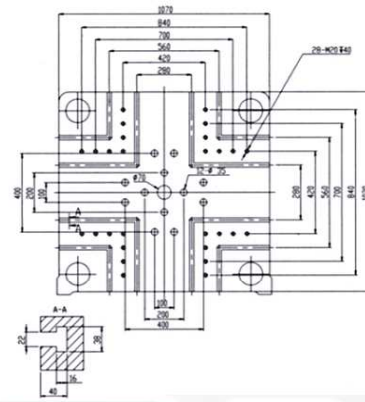
BL200EK



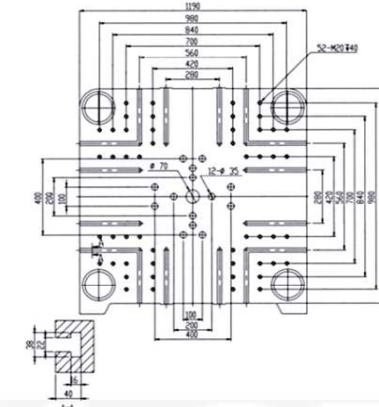
BL260EK



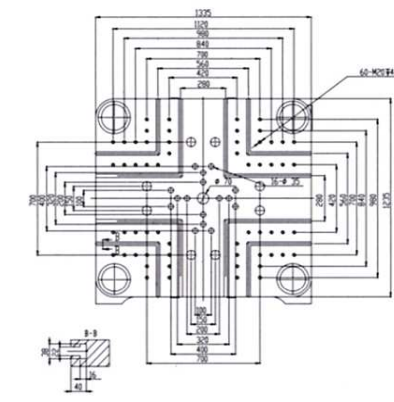
BL320EK



BL400EK



BL500EK



BL600EK

Standard Configuration Menu of BL EK series

Clamping Unit

- >> Patent of the five point outside mold clamping mechanism, has the largest mould stroke
- >> Wide type template design, can adapt to a larger mold
- >> Low-pressure protect mould with high precision
- >> Hydraulic motor drive gear automatic adjustment mode
- >> Adjustable mobile template support structure, reduce the rod bearing deformation
- >> Mechanical, electrical, hydraulic two/three safety protection devices
- >> Clamping part is equipped with mold pedal (BL1100EK above)
- >> Automatic safety door control (BL1100EK above)
- >> Open and close mold, ejection movement with high precision electronic scale control
- >> A variety of optional ejection patterns, pressure, speed setting respectively
- >> Standard synchronization function of enjection/core pulling is equipped on 2100EK-4000EK
- >> Centrel ejector on 60EK-800EK, Euro standard ejector on 900EK above
- >> Five period of opening and closing mode speed and pressure can be adjusted
- >> Automatic detector volumetric centralized lubrication system

Injection Unit

- >> High quality nitride steel efficient plasticizing screw barrel
- >> Time delay setting for cold start on screw, timing heating, automatic heat preservation function
- >> High quality high torque hydraulic motor drive melt
- >> Automatic detection of the nozzle choke and the raw materials overfeeding checkup function selection by the user self-control independently.
- >> Bijection moving oil cylinder design
- >> High rigid beam supporting structure
- >> The trimming device of the nozzle
- >> Electronic scale control of shoot stroke with high precision
- >> Six stages of injection, five stages of holding pressure, five stages of charging, pressure/speed can be adjusted
- >> The screw rotation speed detection
- >> "Auto Purge" function for cleaning the barrel set automatically
- >> Melt back pressure ratios
- >> Above 900EK with central lubrication of enjection unit
- >> Above 1100EK with feeding platform
- >> Attached to the extended nozzle(60EK-700EK:50mm more,800EK-4000EK:100mm more)

Hydraulic Unit

- >> Servo energy-saving system
- >> Oil temperature deviation automatic alarm
- >> Motor overload protection function
- >> Above 500EK with self sealing oil absorption filters
- >> Core pulling device
- >> Quick insert mold cooling water(ϕ 10)

Electrical Control Unit

- >> Process parameters of presetting function
- >> Have value reference and online operating instructions auxiliary function
- >> Simple mechanical interface
- >> Parameter data protection lock
- >> PID automatic temperature control, realizes the cylinder temperature self-correcting
- >> USB interface, can be convenient to backup panel application update and mould parameters
- >> Have stop memory function, random can store 200 sets mould data
- >> 100 groups of abnormal alarm and 100 groups of modified a record store
- >> Multi-level password settings to prevent the error revising / changing unintentionally and the user could be freely authorized the qualifier to access the related password level as request.
- >> Input and output point inspection and I/O online simulation function, and can confirm the machine status quickly
- >> Multiple sets of backup socket
- >> 60EK-400EK with the hopper and check out magic eye
- >> Scram protection of front and back door,scram protection of mould area on 1100EK-4000EK
- >> Alarm lamp with voice prompt

The Rest

- >> Standard color of Shuangma
- >> Adjustable shock pad
- >> Accessory box
- >> Common tools
- >> Damageable spare parts

Optional Configuration Menu of BL EK series

Clamping Unit

- >> Increase in mold volume
- >> Increase in the eject force
- >> Increase in the eject stroke
- >> Widen the machine door
- >> With open mold mechanical limit
- >> Add mold heat shield
- >> Non-standard mould mounting holes (Japanese standard, American standard, etc.)
- >> T slot template(60EK-600EK)
- >> Mould hanging formwork
- >> Hydraulic/electric rotating demould device (twisted tooth device)

Injection Unit

- >> Increase/decrease the injection quantity
- >> Increase/decrease melt motor
- >> Chrome plating/bimetallic screw components
- >> PVC,PET,PC,PA,bakelite,etc all kinds of special plasticizing unit
- >> Pneumatic/hydraulic/spring self-locking nozzle
- >> Nitrogen auxiliary quick shoot glue device
- >> Gas-assisted/wit interface
- >> Sequential injection device
- >> Differential high-speed injection device
- >> Inlet temperature control device

Hydraulic Unit

- >> Increase/decrease power system
- >> Increase the cooler
- >> The hydraulic/pneumatic core-pulling device
- >> Pneumatic ejection device
- >> Synchronizing ejection/core-pulling device
- >> Synchronous melt device
- >> The oil temperature automatic control function
- >> The oil temperature preheating device
- >> Equipped with hydraulic/pneumatic core-pulling device
- >> Install bypass filter

Electrical Control Unit

- >> The Euro robot interface
- >> A mould labeling machine interface
- >> Change the voltage and frequency
- >> The change of control system
- >> Add working lamp
- >> Hot runner controllers

Optional Auxiliary

- >> Magic hand
- >> Dryer
- >> Dehumidifier
- >> Crusher
- >> Mold temperature controller
- >> Magnetic shelf
- >> Auto-loader
- >> Mold cooling flow meter glass tube



The Passionate Pursuit of Perfection

www.shuangma-machinery.com

www.bole-machinery.com

BOLE Customer Service Center

BOLE PLASTIC MACHINERY
NINGBO SHUANGMA MACHINERY INDUSTRY CO.,LTD
ADD:NO.99 WEISAN ROAD,XIAOGANG,NINGBO,CHINA
P.C:315821
TEL:+86-574-86188007
FAX:+86-574-86188008
E-mail: bole-sales@shuangma-machinery.com

THIS CATALOGUE ARE PROTECT BY LAW OF COPY RIGHT. ANY USE WITHOUT THE EXPRESS PERMISSION OF THE LAW OF COPY RIGHT, MUST GET APPROVAL OF SHUANGMA IN ADVANCE.

THIS VERSION WAS PRINTED IN March 2014,
ANY DIFFERENCE SPECIFICATION FROM OLD VERSION SHOULD BE SUBJECT TO THIS VERSION.

BOLE RULER

