



KK 5th GEN

High Precision Servo Injection Molding Machine
100T-3688T



2026B



► Official Website

Guangdong Kaiming Engineering Co.,LTD

Guangdong Kaiming Engineering Co.,LTD

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COMPANY OVERVIEW

Guangdong Kaiming Engineering Co.,Ltd. is one of China's premier large-scale IMM manufacturers, operating three modern production facilities covering 600,000 square meters in Foshan. We are committed to providing integrated, high-quality solutions from R&D through comprehensive after-sales support.

Integrated Supply Chain: Features an in-house Precision Nodular Iron Foundry (50T single casting capacity) and Japanese MITSUBISHI CNC machining centers for core component precision.

Scale: Annual production capacity of 10,000 IMM units.

Range: Comprehensive IMM portfolio from 25T up to 4000T clamping force, covering injection volumes up to 50,000g.

Quality & Compliance: Fully certified ISO 9001 and CE Compliant (since 2005), recognized as a National High-Tech Enterprise.

Commitment: Dedicated to providing comprehensive pre-sales and after-sales support and service globally.



KAIMING PLANT 1



KAIMING PLANT 3



KAIMING PLANT 2

Manufacturing Capabilities Overview



Integrated Production Lines



General Assembly Workshop



Heavy-Duty IMM Assembly Workshop

Application-Specific Solutions

APPLICATION-SPECIFIC SOLUTIONS

KAIMING offers a full range of IMM tailored for diverse industries and special applications

TECHNOLOGY SERIES

- 1.KS Two-Platen Direct Pressure Servo-Hydraulic IMM
- 2.KX Precision Servo IMM
- 3.KSS/SSM Multi-Component IMM
- 4.KDK/KDH Hybrid High-Speed IMM
- 5.KD Electric High-Speed IMM

DEDICATED APPLICATIONS

- 1.Thermoset (Bakelite) IMM
- 2.PVC Dedicated IMM
- 3.PET Preform Dedicated IMM
- 4.BMC Dedicated IMM
- 5.PPR/PE Pipe Fitting Dedicated IMM

DEDICATED APPLICATION HIGHLIGHTS

BMC Dedicated IMM

Automatic Feeding System: Integrated pre-loading hopper and push-cylinder design enable fully automated, continuous material transfer.

Efficiency & Reliability: Simplifies BMC processing and ensures stable, uninterrupted production cycles.

Chemical Pail Dedicated IMM

Rapid Plasticization: High-speed screw and pre-plasticizing unit shorten melt preparation time and boost overall throughput.

IML Compatibility: Enlarged servo-hydraulic system with proportional-valve mold control ensures fast, precise movement and seamless in-mold labeling operation.

5-Gallon Bottle Cap Dual-Color Dedicated IMM

Precision Dynamics: Optimized hydraulic and mechanical design for dual-material bottle-cap molding.

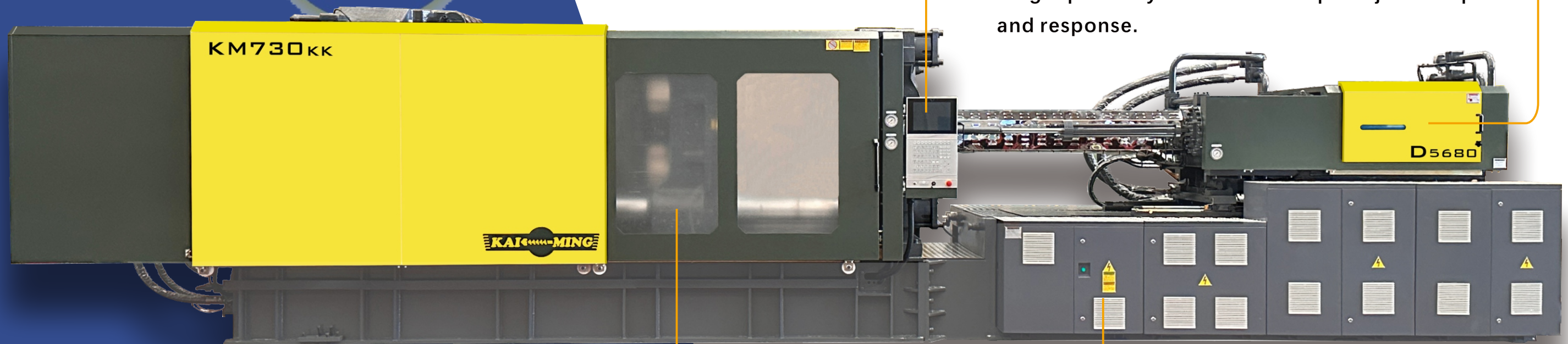
High Productivity: Achieves industry-leading efficiency and stable performance in high-cavity dual-color applications.

KK SERIES

5th
GEN

HIGH PRECISION SERVO IMM

KAI ← MING



Clamping Unit

- Simulation-optimized toggle for fast, stable operation.
- Patented platen design: high rigidity, high precision, minimal deformation.
- Wider tie-bar spacing for larger molds and high-precision applications.

Control System

- New-generation high-performance controller for precise control and fast processing.
- (Optional) KAIMING ZHIFENG 5th Gen Smart Cloud for digitalized, networked factory management.

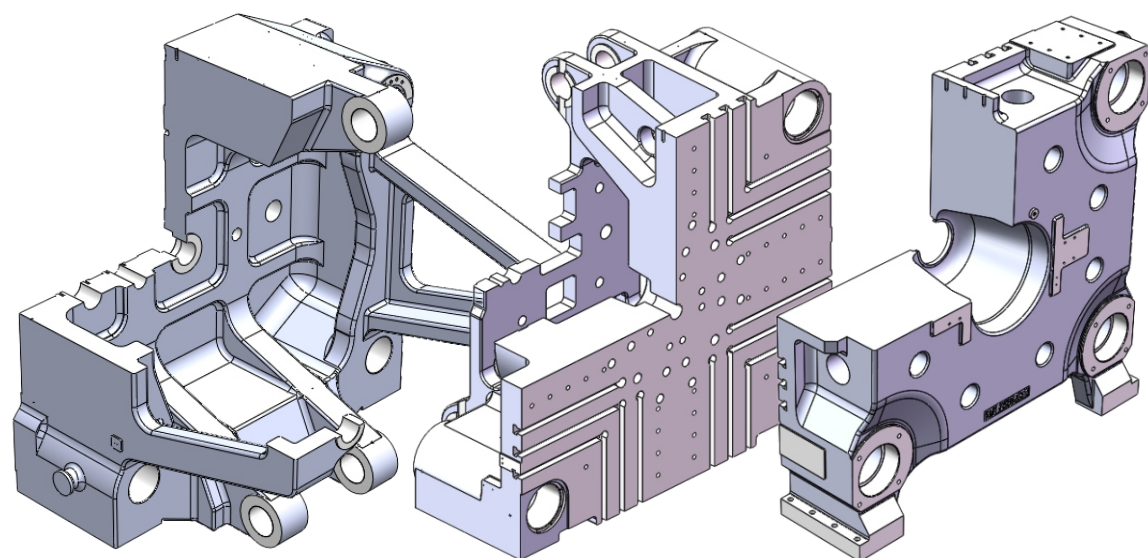
Injection Unit

- Features Dual Linear Guide for superior precision and fast acceleration.
- Modular unit design with diverse screw and barrel options for maximum flexibility.
- High-power system ensures rapid injection speed and response.

Hydraulic & Power System

- 3rd-gen servo drive with large motor, high-flow pump/valve set.
- Optimized hydraulic circuit for quick response and smooth motion.
- Non-welded piping enhances safety and prevents oil leakage.

CLAMPING UNIT



High-Rigidity Platens

Optimized Platen Structure: Three major platens feature enhanced rigidity and minimal deformation, reducing cavity distortion and improving part precision.

Enhanced Dimensions & Strength: Platens are comprehensively widened and thickened compared to equivalent models, achieving a larger mold capacity.

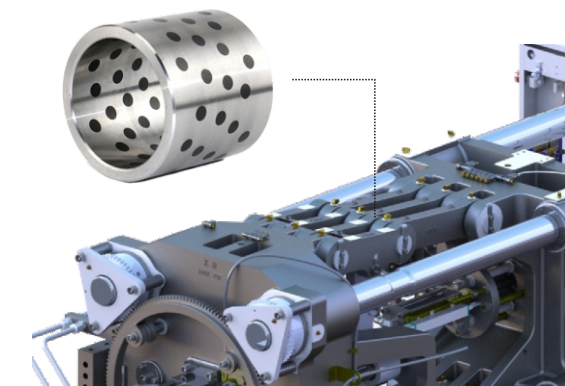
Flexible Clamping: Full series equipped with T-Slot + Mold Clamping Hole combination platens for quick and convenient mold setup.

Optimized Load-Bearing: Targeted rigidity optimization ensures superior load-bearing capacity and anti-deformation capability.

SELF-LUBRICATING SYSTEM

Standard Self-Lubricating Bushes: The toggle mechanism utilizes high-strength graphitic steel bushes.

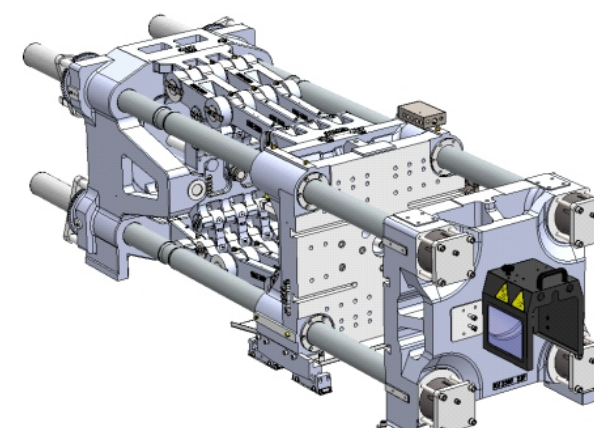
Benefit: Provides superior lubrication, lower lubricant consumption, and extended service life.



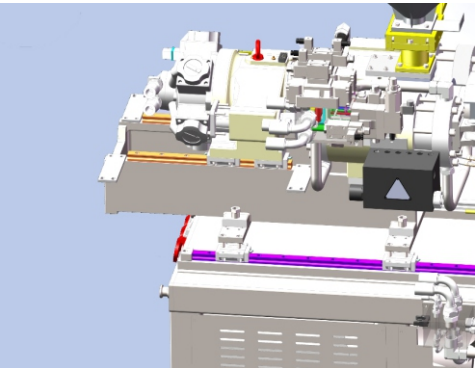
HIGH-SPEED STABLE CLAMPING

Optimized Toggle: Features an optimized five-point twin-toggle mechanism with a diagonally arranged design.

Fast Response: Paired with an intelligent mold-opening algorithm, the system achieves rapid response speed and shorter mold open/close times.



INJECTION UNIT

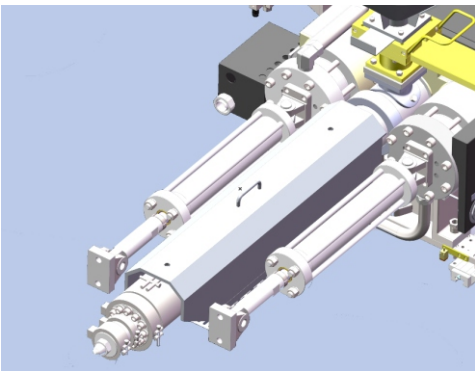


Dual Horizontal Cylinder Structure

Two parallel shifting cylinders ensure balanced nozzle force and superior sealing, effectively preventing leakage from off-center stress.

Dual Linear Guide for Injection/Shifting

Full series standard. Dual-layer linear guide rails provide high rigidity, stable operation, and low resistance, leading to faster acceleration and improved injection precision.



Electric Plasticizing (Optional)

Optional across the full series. More energy-efficient than hydraulic motors, providing superior and stable plasticizing. Easily achieves simultaneous mold open/charge to significantly shorten the molding cycle.



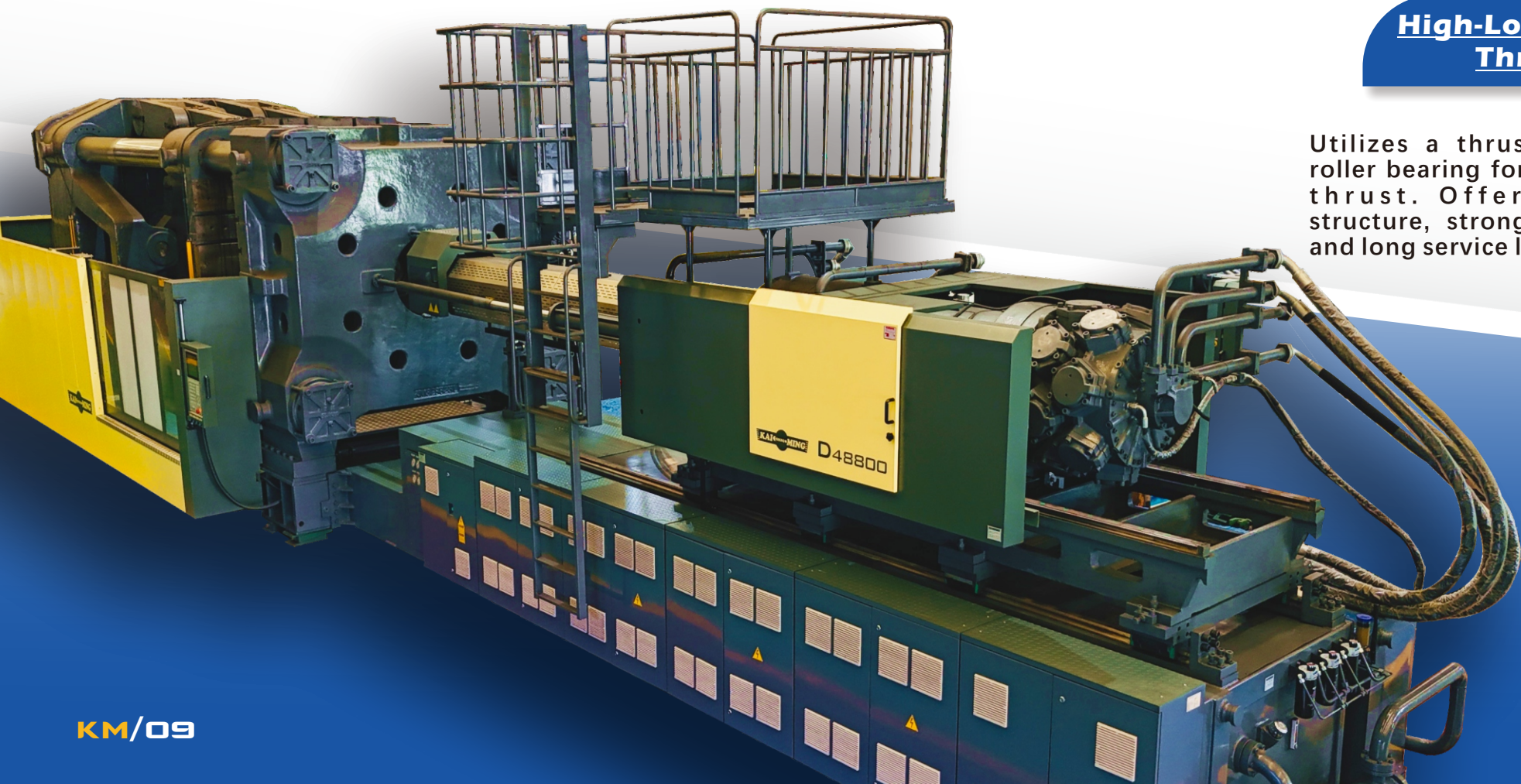
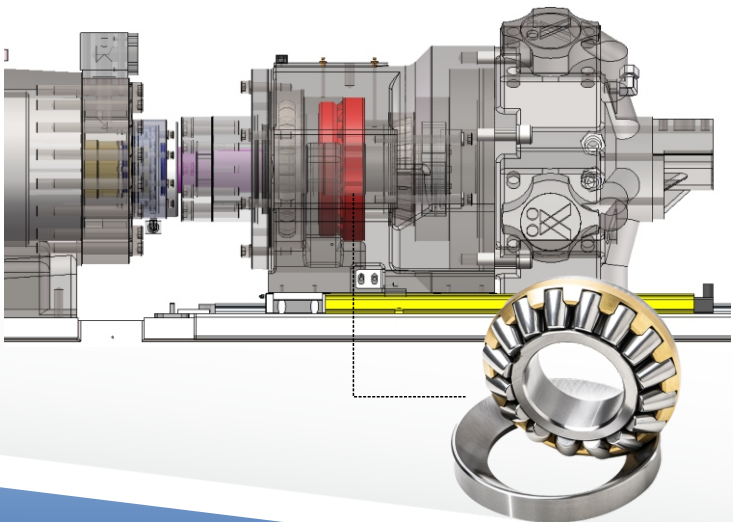
Efficient Plasticizing Components

A wide range of plasticizing component types is available. Dedicated components can be customized for complex processes and specific application requirements.

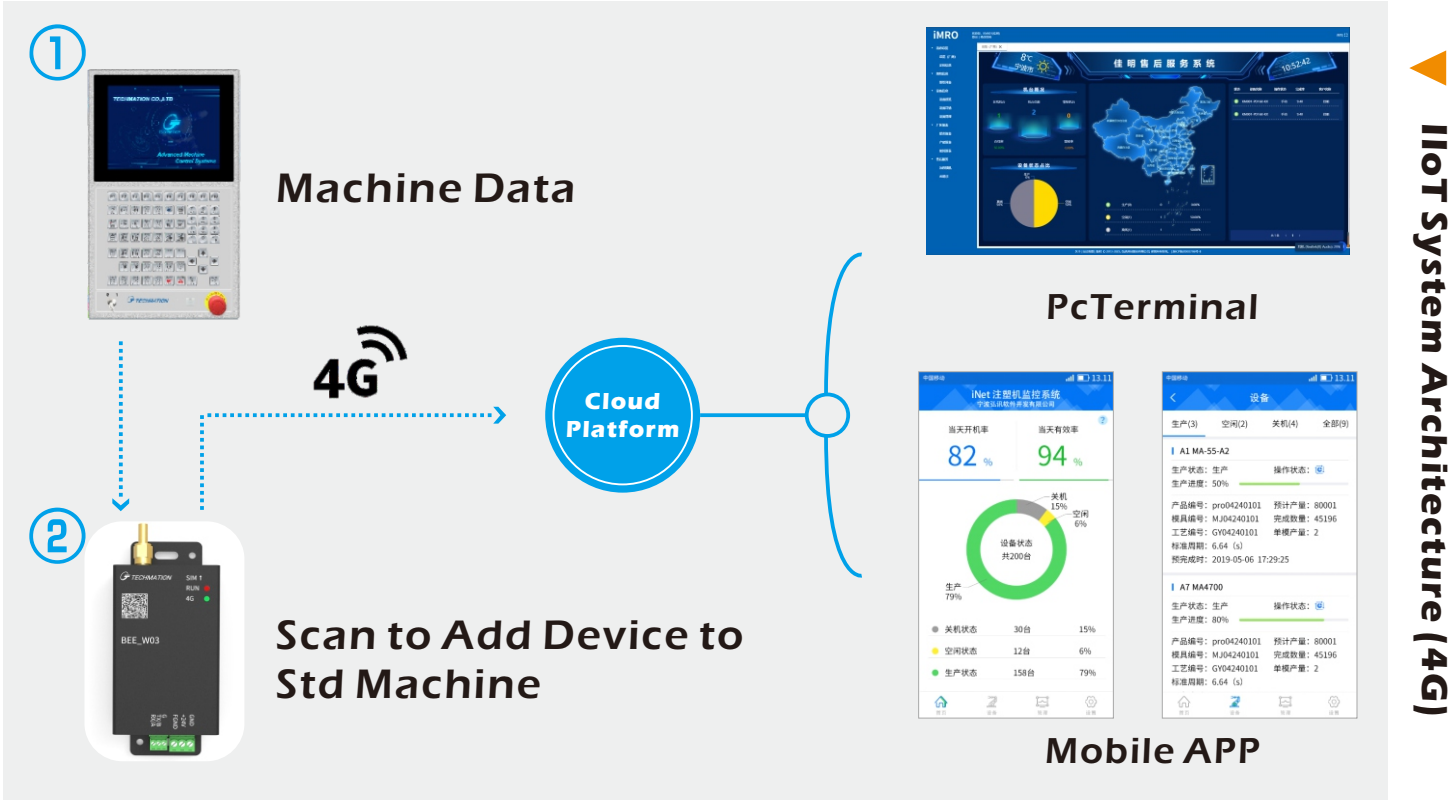


High-Load Injection Thrust Bearing

Utilizes a thrust self-aligning roller bearing for the main screw thrust. Offers a compact structure, strong load capacity, and long service life.



KAIMING ZHIFENG Gen5
SMART MANAGEMENT CLOUD (OPTIONAL)



The ZhiFeng Gen5 Cloud is a comprehensive IIoT solution for digitalizing your IMM workshop, providing a one-stop service by integrating the controller, robotics, and auxiliaries.

SYSTEM INTEGRATION & ACCESS

- Enables data acquisition from the shop floor and communication with ERP/MES systems, creating a complete production closed loop.
- Supports localized deployment (plug-and-play). Access via Server, Cloud, PC, and Mobile APP for 24/7 monitoring.

CORE FUNCTIONALITY

- Modules Include: Real-time Monitoring, Production Management, Process Management, Quality Management, Statistical Analysis, and Authority Control.
- Mobile Benefit: Allows management personnel to monitor factory status anytime, anywhere.

DEPLOYMENT & INTERFACE

4G EDITION :
Wireless & Instant Setup
Cost-Efficient & Maintenance-Free
Streamlined & User-Friendly

LITE EDITION:
Wireless Connection
(Simple Setup)
Cloud Deployment
(Maintenance-Free)
Entry-Level Functions.

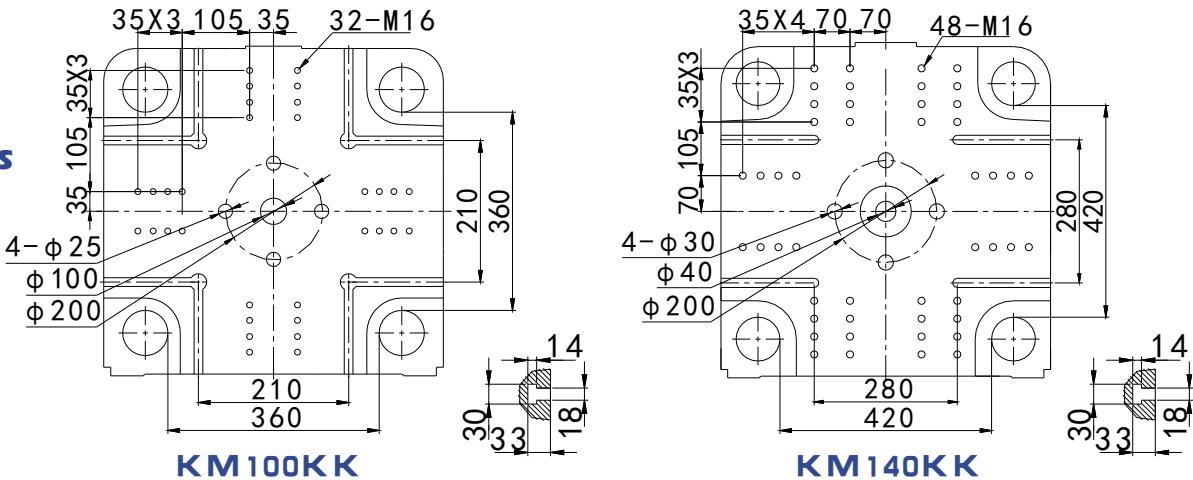
DATA INTERFACE:
Provides equipment data in
OPC UA format.

TECHNICAL SPECIFICATIONS

High Precision Servo IMM		KM100KK					KM140KK				
Category	Unit	Standard					Standard				
INJECTION UNIT		A1	A2	A	B	C	A1	A2	A	B	C
Screw Diameter	mm	28	30	32	35	40	35	38	42	47	53
L/D Ratio	L/D	20	22.2	20.8	19	16.7	23.9	22.1	21.9	19.6	17.4
Shot Weight	g	86	100	114	137	179	154	182	216	271	344
	OZ	3	3.5	4	4.8	6.3	5.4	6.4	7.6	9.5	12.1
Theoretical Shot Volume	cm³	95.7	110	125	149	195	168	195	235	295	375
Injection Pressure	kg/cm³	3255	2835	2492	2083	1595	2801	2376	1945	1553	1221
Max. Injection Rate	cm³/sec	82	94	107	128	167	120	141	173	216	275
Injection Stroke	mm	155					170				
Injection Speed	mm/s	133					125				
Screw Speed	r.p.m	0-235					0-250				
CLAMPING UNIT											
Tie Bar Distance	mm	360*360					420*420				
Platen Size	mm	545*545					650*650				
Min. Mold Size	mm	280*280					290*290				
Clamping Force	ton	100					140				
Mold Height Range	mm	140-380					150-460				
Opening Stroke	mm	330					400				
Ejector Stroke	mm	100					120				
No. of Ejector Pins	pcs	5					5				
Ejector Force	ton	3					4.5				
GENERAL											
System Pressure	kg/cm²	160					160				
Motor Power	kw	17.3					23.6				
Heating Power	kw	7.9					11.5				
Weight (Approx.)	ton	3.8					4.8				
Overall Dimensions(L×W×H)	m	4.3*1.2*1.65					4.95*1.3*1.7				
Oil Tank Capacity	L	170					230				

Note: We reserve the right to modify technical parameters without prior notice.

Platen Dimensions



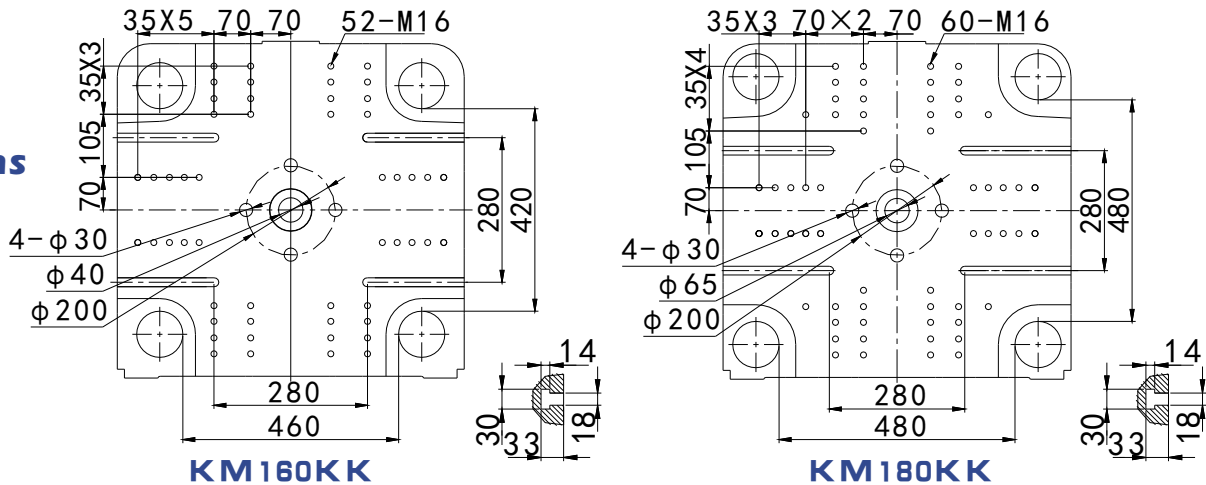
TECHNICAL SPECIFICATIONS



High Precision Servo IMM		KM160KK				KM180KK			
Category	Unit	Standard				Standard			
INJECTION UNIT		A1	A	B	C	A1	A	B	C
Screw Diameter	mm	40	45	50	55	40	45	50	55
L/D Ratio	L/D	22	22.2	20	19.2	22	22.2	20	19.2
Shot Weight	g	231	292	358	437	231	292	358	437
	OZ	8.2	10	12.7	15.4	8.2	10	12.7	15.4
Theoretical Shot Volume	cm³	251	318	393	485	251	318	393	485
Injection Pressure	kg/cm³	2520	1991	1612	1332	2520	1991	1612	1332
Max. Injection Rate	cm³/sec	133	168	208	252	169	214	265	320
Injection Stroke	mm	200				200			
Injection Speed	mm/s	106				135			
Screw Speed	r.p.m	0-250				0-280			
CLAMPING UNIT									
Tie Bar Distance	mm	460*420				480*480			
Platen Size	mm	692*652				720*720			
Min. Mold Size	mm	320*290				340*340			
Clamping Force	ton	160				180			
Mold Height Range	mm	150-460				180-530			
Opening Stroke	mm	400				450			
Ejector Stroke	mm	120				140			
No. of Ejector Pins	pcs	5				5			
Ejector Force	ton	4.5				5.3			
GENERAL									
System Pressure	kg/cm²	160				160			
Motor Power	kw	23.6				34.6			
Heating Power	kw	12				12			
Weight (Approx.)	ton	5.2				5.5			
Overall Dimensions(L×W×H)	m	5.05*1.3*1.7				5.3*1.4*1.8			
Oil Tank Capacity	L	230				260			

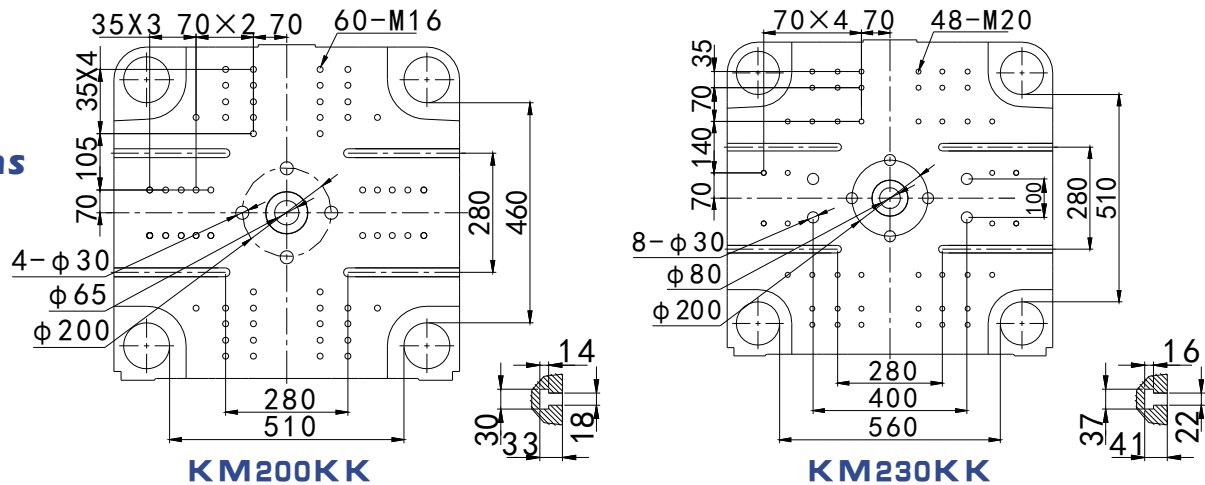
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Platen Dimensions



High Precision Servo IMM		KM200KK				KM230KK			
Category	Unit	Standard				Standard			
INJECTION UNIT		A1	A	B	C	A1	A	B	C
Screw Diameter	mm	45	50	55	60	45	50	55	60
L/D Ratio	L/D	24.4	22	20	18.3	24.4	22	20	18.3
Shot Weight	g	350	439	531	632	350	439	531	632
	OZ	12.3	15.5	18.8	22.3	12.3	15.5	18.8	22.3
Theoretical Shot Volume	cm³	381	477	577	678	381	477	577	678
Injection Pressure	kg/cm³	2654	2150	1777	1493	2654	2150	1777	1493
Max. Injection Rate	cm³/sec	160	198	240	285	201	248	300	357
Injection Stroke	mm	240				240			
Injection Speed	mm/s	101				126.3			
Screw Speed	r.p.m	0-260				0-300			
CLAMPING UNIT									
Tie Bar Distance	mm	510*460				560*510			
Platen Size	mm	752*702				840*790			
Min. Mold Size	mm	350*320				390*355			
Clamping Force	ton	200				230			
Mold Height Range	mm	180-530				180-600			
Opening Stroke	mm	450				500			
Ejector Stroke	mm	140				150			
No. of Ejector Pins	pcs	5				9			
Ejector Force	ton	5.3				6.2			
GENERAL									
System Pressure	kg/cm²	160				160			
Motor Power	kw	34.6				42.4			
Heating Power	kw	15.8				15.8			
Weight (Approx.)	ton	6.1				7.5			
Overall Dimensions(L×W×H)	m	5.6*1.4*1.8				5.8*1.5*1.9			
Oil Tank Capacity	L	260				300			

Platen Dimensions



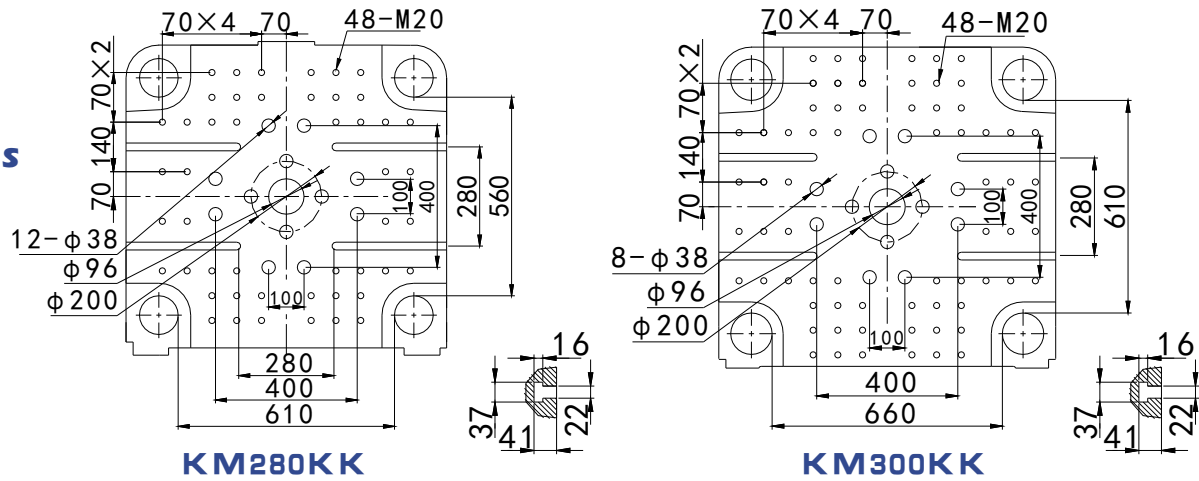
TECHNICAL SPECIFICATIONS



High Precision Servo IMM		KM280KK				KM300KK		
Category	Unit	Standard				Standard		
INJECTION UNIT		A1	A	B	C	A	B	C
Screw Diameter	mm	50	55	60	65	60	65	70
L/D Ratio	L/D	24	21.8	20	18.5	22.8	21	19.5
Shot Weight	g	518	633	754	885	987	1159	1345
	OZ	18.3	22.4	26.6	31.3	35	41	47.5
Theoretical Shot Volume	cm³	569	689	820	962	1073	1260	1462
Injection Pressure	kg/cm³	2649	2189	1840	1567	2444	2082	1795
Max. Injection Rate	cm³/sec	252	304	362	425	273	320	371
Injection Stroke	mm	290				380		
Injection Speed	mm/s	128				96.5		
Screw Speed	r.p.m	0-225				0-190		
CLAMPING UNIT								
Tie Bar Distance	mm	610*560				660*610		
Platen Size	mm	980*870				960*910		
Min. Mold Size	mm	427*392				460*430		
Clamping Force	ton	280				300		
Mold Height Range	mm	240-630				250-720		
Opening Stroke	mm	560				620		
Ejector Stroke	mm	160				180		
No. of Ejector Pins	pcs	13				13		
Ejector Force	ton	7.7				8		
GENERAL								
System Pressure	kg/cm²	160				160		
Motor Power	kw	55				55		
Heating Power	kw	17.5				22.7		
Weight (Approx.)	ton	9.2				10.6		
Overall Dimensions(L×W×H)	m	6.5*1.6*1.9				7.1*1.65*2		
Oil Tank Capacity	L	400				400		

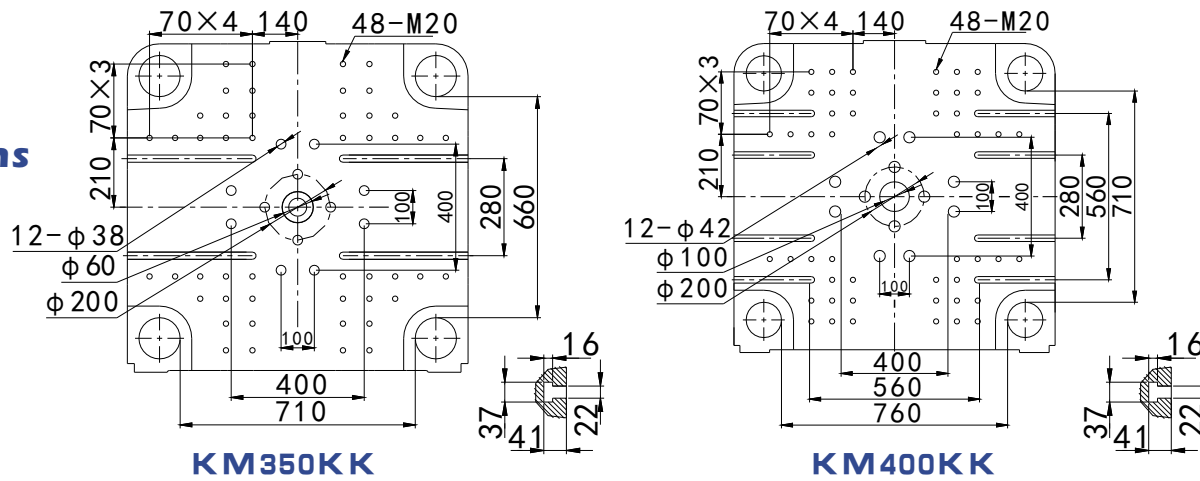
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Platen Dimensions



High Precision Servo IMM		KM350KK			KM400KK		
Category	Unit	Standard			Standard		
INJECTION UNIT		A	B	C	A	B	C
Screw Diameter	mm	60	65	70	75	80	85
L/D Ratio	L/D	22.8	21	19.5	22	20	19
Shot Weight	g	987	1159	1345	1450	1650	1862
	OZ	35	41	47.5	50	58	65
Theoretical Shot Volume	cm³	1073	1260	1462	1568	1793	2014
Injection Pressure	kg/cm³	2444	2082	1795	1955	1718	1522
Max. Injection Rate	cm³/sec	349	409	475	436	496	560
Injection Stroke	mm	380			355		
Injection Speed	mm/s	123			99		
Screw Speed	r.p.m	0-240			0-160		
CLAMPING UNIT							
Tie Bar Distance	mm	710*660			760*710		
Platen Size	mm	1030*980			1100*1065		
Min. Mold Size	mm	495*460			530*510		
Clamping Force	ton	350			400		
Mold Height Range	mm	250-720			300-720		
Opening Stroke	mm	660			710		
Ejector Stroke	mm	180			180		
No. of Ejector Pins	pcs	13			13		
Ejector Force	ton	7.7			9		
GENERAL							
System Pressure	kg/cm²	160			160		
Motor Power	kw	66			66		
Heating Power	kw	22.7			29.9		
Weight (Approx.)	ton	12			14.2		
Overall Dimensions(L×W×H)	m	7.2*1.7*2			7.9*1.7*2.3		
Oil Tank Capacity	L	400			480		

Platen Dimensions



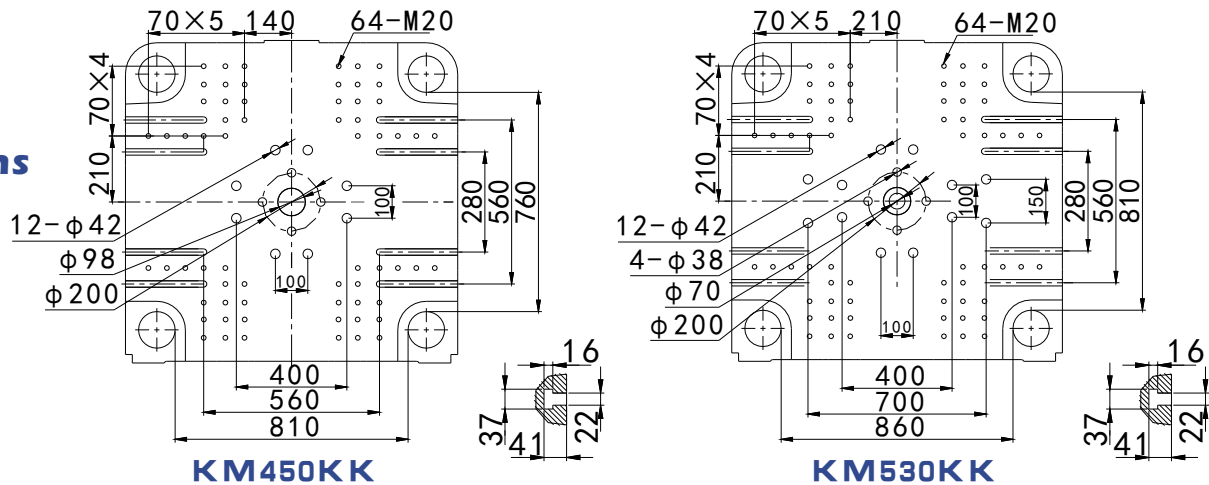
TECHNICAL SPECIFICATIONS



High Precision Servo IMM		KM450KK			KM530KK		
Category	Unit	Standard			Standard		
INJECTION UNIT		A	B	C	A	B	C
Screw Diameter	mm	75	80	85	75	80	85
L/D Ratio	L/D	22	20	19	21.3	19.7	18.5
Shot Weight	g	1450	1650	1862	1850	2103	2375
	OZ	50	58	65	65	74	84
Theoretical Shot Volume	cm ³	1568	1793	2014	2032	2312	2610
Injection Pressure	kg/cm ³	1955	1718	1522	1955	1718	1522
Max. Injection Rate	cm ³ /sec	490	558	630	490	558	630
Injection Stroke	mm	355			460		
Injection Speed	mm/s	111			111		
Screw Speed	r.p.m	0-200			0-140		
CLAMPING UNIT							
Tie Bar Distance	mm	810*760			860*810		
Platen Size	mm	1170*1120			1220*1170		
Min. Mold Size	mm	565*530			600*565		
Clamping Force	ton	450			530		
Mold Height Range	mm	300-900			350-950		
Opening Stroke	mm	720			810		
Ejector Stroke	mm	220			220		
No. of Ejector Pins	pcs	13			17		
Ejector Force	ton	9			15.2		
GENERAL							
System Pressure	kg/cm ²	160			160		
Motor Power	kw	34.6+42.4			34.6+42.4		
Heating Power	kw	29.9			33		
Weight (Approx.)	ton	16.5			23		
Overall Dimensions(L×W×H)	m	8.3*1.8*2.1			9.1*2.1*2.1		
Oil Tank Capacity	L	480			630		

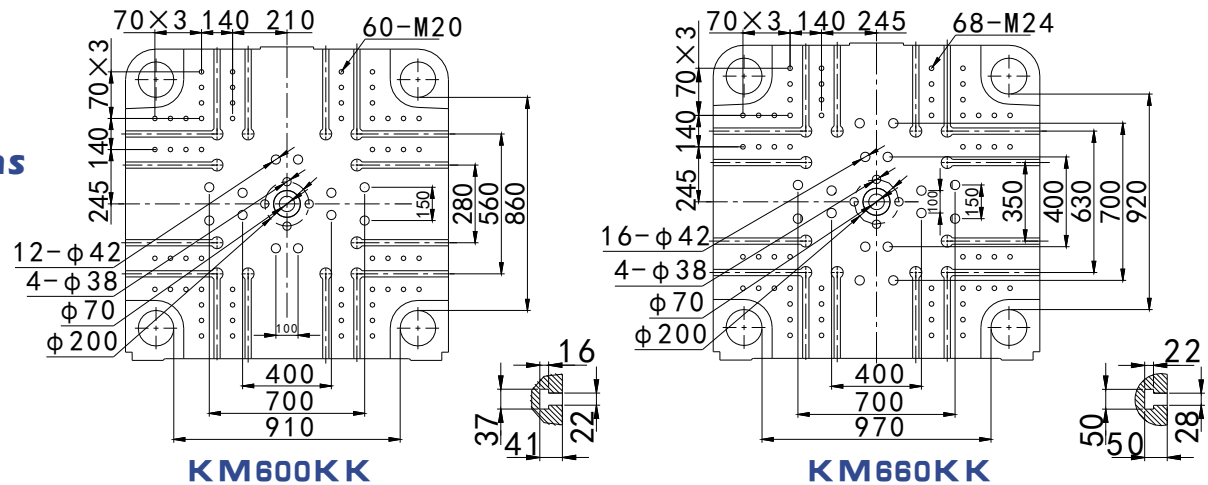
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Platen Dimensions



High Precision Servo IMM		KM600KK			KM660KK		
Category	Unit	Standard			Standard		
INJECTION UNIT		A	B	C	A	B	C
Screw Diameter	mm	80	85	90	85	90	95
L/D Ratio	L/D	22.3	21	19.8	22.2	21	19.9
Shot Weight	g	2377	2684	3009	2426	2720	3030
	OZ	84	94.8	106	85.7	96.1	107
Theoretical Shot Volume	cm ³	2612	2949	3306	2666	2988	3330
Injection Pressure	kg/cm ³	2014	1784	1591	2000	1784	1601
Max. Injection Rate	cm ³ /sec	528	596	668	561	629	701
Injection Stroke	mm	520			470		
Injection Speed	mm/s	105			99		
Screw Speed	r.p.m	0-160			0-160		
CLAMPING UNIT							
Tie Bar Distance	mm	910*860			970*920		
Platen Size	mm	1260*1210			1370*1320		
Min. Mold Size	mm	635*600			665*635		
Clamping Force	ton	600			660		
Mold Height Range	mm	350-1000			380-1070		
Opening Stroke	mm	860			940		
Ejector Stroke	mm	220			260		
No. of Ejector Pins	pcs	17			21		
Ejector Force	ton	15.2			17		
GENERAL							
System Pressure	kg/cm ²	160			160		
Motor Power	kw	42.4+42.4			55+42.4		
Heating Power	kw	35.8			44.7		
Weight (Approx.)	ton	27			31		
Overall Dimensions(L×W×H)	m	9.4*2.2*2.2			10.6*2.2*2.45		
Oil Tank Capacity	L	670			670		

Platen Dimensions



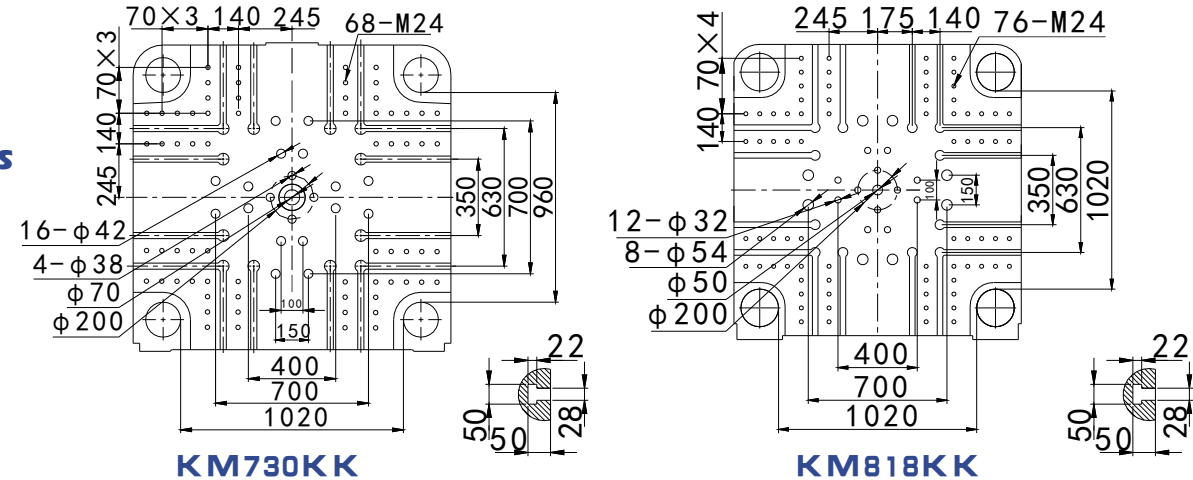
TECHNICAL
SPECIFICATIONS



High Precision Servo IMM		KM730KK			KM818KK		
Category	Unit	Standard			Standard		
INJECTION UNIT		A	B	C	A	B	C
Screw Diameter	mm	90	95	100	90	100	110
L/D Ratio	L/D	21.5	20	19.5	24.4	22	20.2
Shot Weight	g	2720	3030	3360	3010	3717	4497
	OZ	96	108	120	106	131	159
Theoretical Shot Volume	cm ³	2900	3330	3700	3308	4084	4942
Injection Pressure	kg/cm ³	1900	1700	1538	2454	1987	1643
Max. Injection Rate	cm ³ /sec	702	782	866	639	789	954
Injection Stroke	mm	470			520		
Injection Speed	mm/s	110			100.4		
Screw Speed	r.p.m	0-160			0-120		
CLAMPING UNIT							
Tie Bar Distance	mm	1020*960			1020*1020		
Platen Size	mm	1440*1380			1440*1400		
Min. Mold Size	mm	710*670			710*710		
Clamping Force	ton	730			818		
Mold Height Range	mm	400-1100			420-1100		
Opening Stroke	mm	1000			1020		
Ejector Stroke	mm	260			280		
No. of Ejector Pins	pcs	21			21		
Ejector Force	ton	17			19.6		
GENERAL							
System Pressure	kg/cm ²	160			165		
Motor Power	kw	55+55			55+66		
Heating Power	kw	50.7			63.1		
Weight (Approx.)	ton	34			41		
Overall Dimensions(L×W×H)	m	11.1*2.3*2.4			11.4*2.5*2.4		
Oil Tank Capacity	L	670			1160		

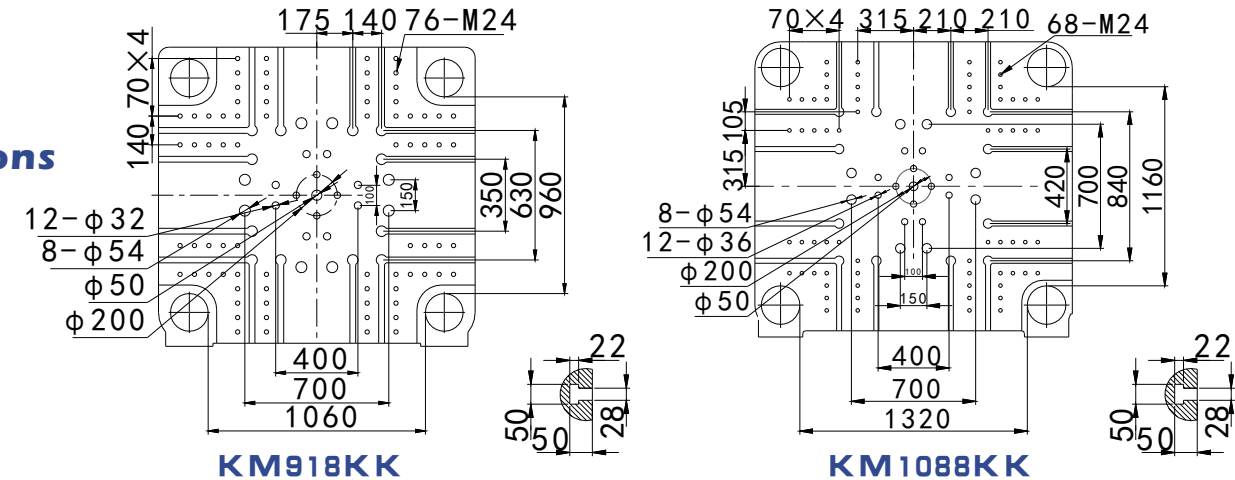
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Platen
Dimensions



High Precision Servo IMM		KM918KK			KM1088KK		
Category	Unit	Standard			Standard		
INJECTION UNIT		A	B	C	A	B	C
Screw Diameter	mm	90	100	110	100	110	125
L/D Ratio	L/D	24.4	22	20.2	22.2	20	19.2
Shot Weight	g	3010	3717	4497	3931	4756	6142
	OZ	106	131	159	139	168	217
Theoretical Shot Volume	cm ³	3308	4084	4942	4320	5227	6750
Injection Pressure	kg/cm ³	2454	1987	1643	2112	1745	1352
Max. Injection Rate	cm ³ /sec	639	789	954	846	1024	1322
Injection Stroke	mm	520			550		
Injection Speed	mm/s	100.4			107.8		
Screw Speed	r.p.m	0-120			0-120		
CLAMPING UNIT							
Tie Bar Distance	mm	1060*960			1320*1160		
Platen Size	mm	1540*1440			1800*1640		
Min. Mold Size	mm	750*700			925*810		
Clamping Force	ton	918			1088		
Mold Height Range	mm	480-1120			480-1200		
Opening Stroke	mm	1040			1120		
Ejector Stroke	mm	280			280		
No. of Ejector Pins	pcs	21			21		
Ejector Force	ton	19.6			20.2		
GENERAL							
System Pressure	kg/cm ²	165			165		
Motor Power	kw	55+66			47.1*2+55		
Heating Power	kw	63.1			66.6		
Weight (Approx.)	ton	43			51		
Overall Dimensions(L×W×H)	m	11.5*2.6*2.4			11.7*2.6*2.53		
Oil Tank Capacity	L	1160			1240		

Platen
Dimensions



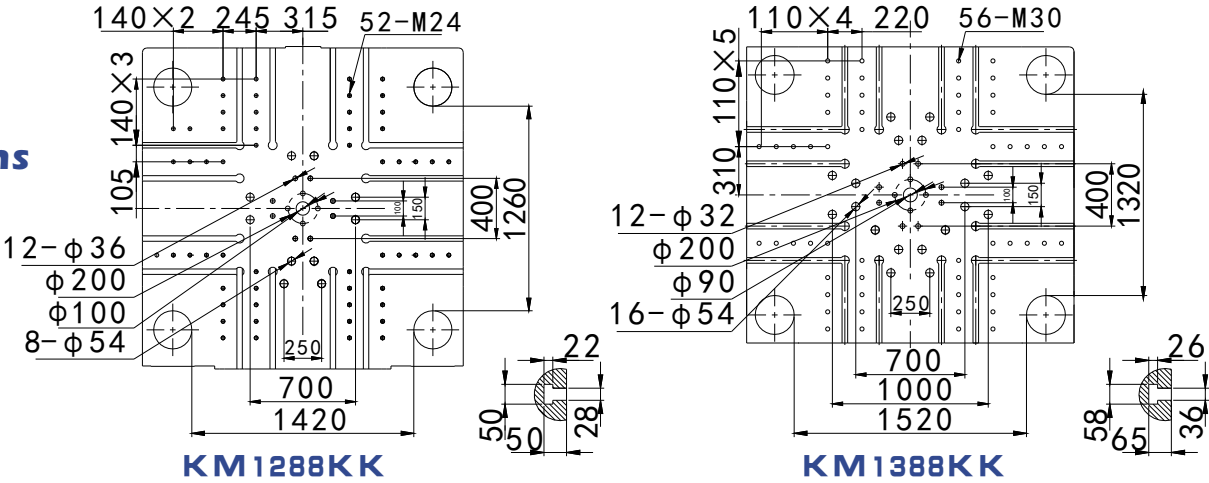
TECHNICAL
SPECIFICATIONS



High Precision Servo IMM		KM1288KK			KM1388KK		
Category	Unit	Standard			Standard		
INJECTION UNIT		A	B	C	A	B	C
Screw Diameter	mm	100	110	125	110	125	140
L/D Ratio	L/D	22.2	20	19.2	25.4	22.4	20
Shot Weight	g	3931	4756	6142	5621	7259	9105
	OZ	139	168	217	199	257	322
Theoretical Shot Volume	cm ³	4320	5227	6750	6177	7977	10006
Injection Pressure	kg/cm ³	2112	1745	1352	2093	1620	1292
Max. Injection Rate	cm ³ /sec	846	1024	1322	986	1273	1597
Injection Stroke	mm	550			650		
Injection Speed	mm/s	107.8			103.7		
Screw Speed	r.p.m	0-120			0-98		
CLAMPING UNIT							
Tie Bar Distance	mm	1420*1260			1520*1320		
Platen Size	mm	1960*1820			2150*1950		
Min. Mold Size	mm	1000*880			1060*920		
Clamping Force	ton	1288			1388		
Mold Height Range	mm	500-1320			550-1320		
Opening Stroke	mm	1305			1385		
Ejector Stroke	mm	320			350		
No. of Ejector Pins	pcs	21			21		
Ejector Force	ton	24.6			24.6		
GENERAL							
System Pressure	kg/cm ²	165			165		
Motor Power	kw	47.1*2+55			55*3		
Heating Power	kw	66.6			92		
Weight (Approx.)	ton	66			80		
Overall Dimensions(L×W×H)	m	12.6*3.2*2.6			14*3.3*2.9		
Oil Tank Capacity	L	1240			1600		

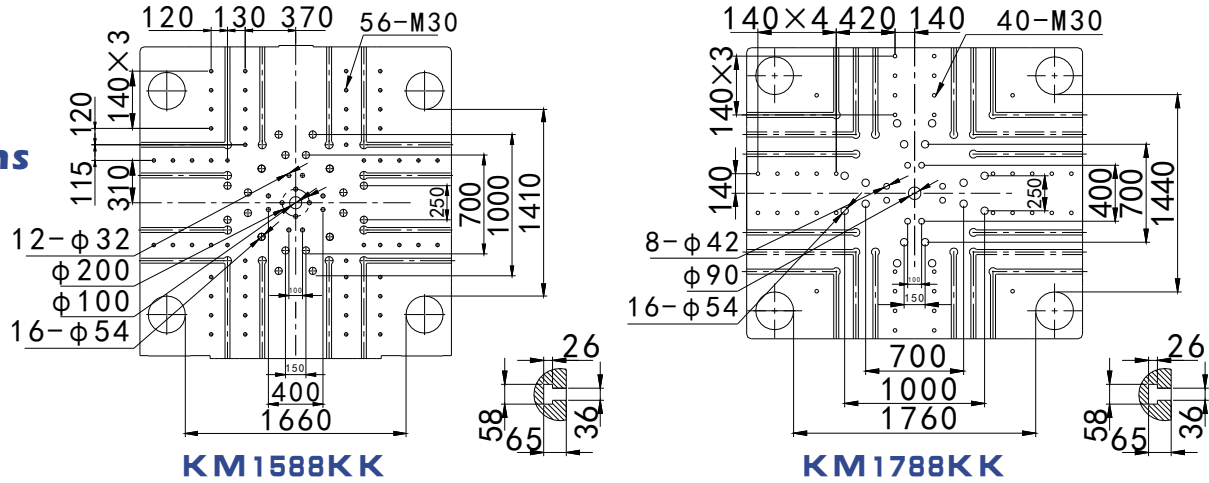
Note: We reserve the right to modify technical parameters without prior notice.

Platen
Dimensions



High Precision Servo IMM		KM1588KK			KM1788KK		
Category	Unit	Standard			Standard		
INJECTION UNIT		A	B	C	A	B	C
Screw Diameter	mm	110	125	140	125	140	150
L/D Ratio	L/D	25.4	22.4	20	22	21.4	20
Shot Weight	g	5621	7259	9105	8036	10000	11578
	OZ	199	257	322	283	355	407
Theoretical Shot Volume	cm ³	6177	7977	10006	8820	11078	12723
Injection Pressure	kg/cm ³	2093	1620	1293	1906	1520	1324
Max. Injection Rate	cm ³ /sec	986	1273	1597	1258	1578	1812
Injection Stroke	mm	650			720		
Injection Speed	mm/s	103.7			108.3		
Screw Speed	r.p.m	0-98			0-80		
CLAMPING UNIT							
Tie Bar Distance	mm	1660*1410			1760*1440		
Platen Size	mm	2310*2060			2400*2210		
Min. Mold Size	mm	1160*990			1230*1000		
Clamping Force	ton	1588			1788		
Mold Height Range	mm	600-1420			600-1500		
Opening Stroke	mm	1485			1600		
Ejector Stroke	mm	350			350		
No. of Ejector Pins	pcs	21			21		
Ejector Force	ton	32.1			33.2		
GENERAL							
System Pressure	kg/cm ²	165			160		
Motor Power	kw	55*3			47.1+55*3		
Heating Power	kw	92			108		
Weight (Approx.)	ton	94			116		
Overall Dimensions(L×W×H)	m	14.7*3.5*3.8			15.5*3.6*3.2		
Oil Tank Capacity	L	1900			2400		

Platen
Dimensions



Note: We reserve the right to modify technical parameters without prior notice.

[illegible]

KM2688KK

KM3288KK

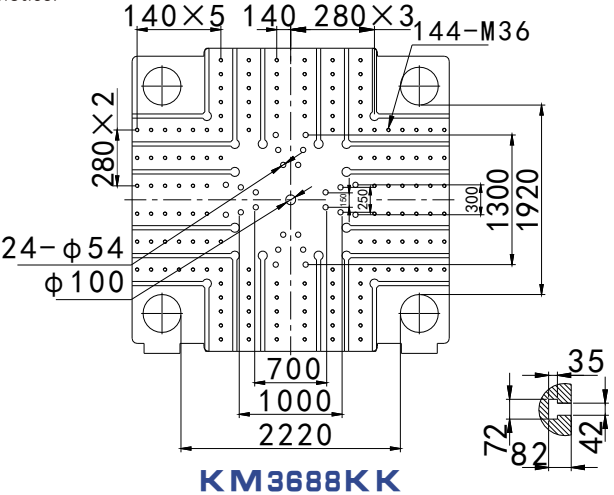
TECHNICAL
SPECIFICATIONS



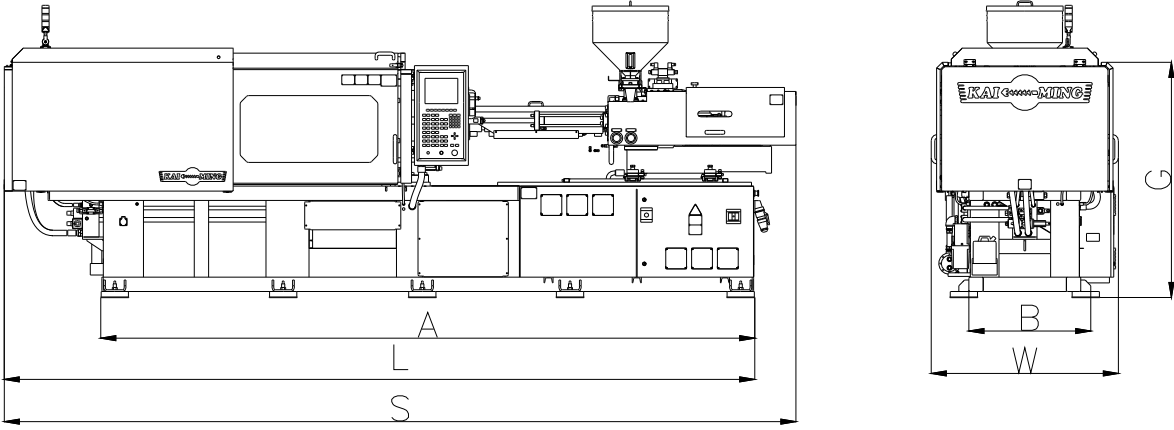
High Precision Servo IMM		KM3688KK		
Category	UNIT	Standard		
INJECTION UNIT		A	B	C
Screw Diameter	mm	200	220	240
L/D Ratio	L/D	20	20	21.5
Shot Weight	g	32877	43240	53518
	OZ	1162	1528	1891
Theoretical Shot	cm³	36128	47517	58811
Injection Pressure	kg/cm³	1375	1136	1144
Max. Injection Rate	cm³/sec	3055	3696	3672
Injection Stroke	mm	1150	1250	1300
Injection Speed	mm/s	108	90.2	
Screw Speed	r.p.m	0-65		
CLAMPING UNIT				
Tie Bar Distance	mm	2220*1920		
Platen Size	mm	3220*3083		
Min. Mold Size	mm	1700*1500		
Clamping Force	ton	3688		
Mold Height Range	mm	1000-2000		
Opening Stroke	mm	2150		
Ejector Stroke	mm	550		
No. of Ejector Pins	pcs	25		
Ejector Force	ton	55		
GENERAL				
System Pressure	kg/cm²	160		
Motor Power	kw	55*7		
Heating Power	kw	251.3		
Weight (Approx.)	ton	302		
Overall Dimensions(L×W×H)	m	22*5.9*4.3		
Oil Tank Capacity	L	5800		

Note: We reserve the right to modify technical parameters without prior notice.

Platen
Dimensions



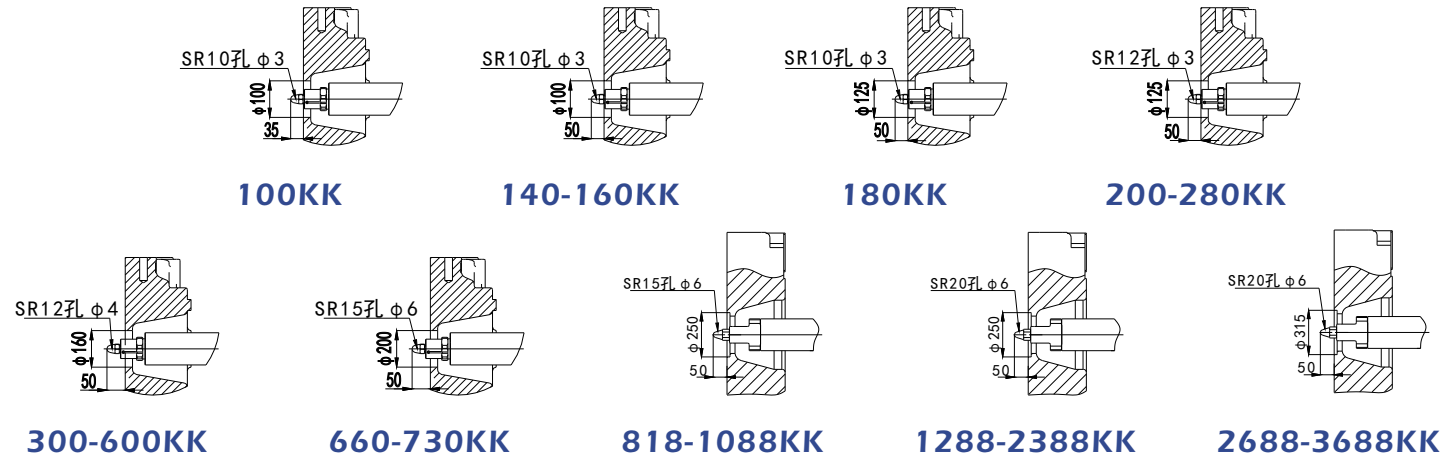
Machine Dimensions (L×W×H)



	100KK	140KK	160KK	180KK	200KK	230KK	280KK	300KK	350KK	400KK	450KK	530KK	600KK	660KK
L	4.3	4.7	4.7	5.1	5.1	5.5	6.2	6.5	7.0	7.6	8.0	9.1	9.3	10.6
A	3.7	4.0	4.0	4.4	4.4	4.9	5.4	5.8	6.1	6.7	7.0	8.0	8.4	9.4
W	1.2	1.3	1.3	1.3	1.4	1.5	1.6	1.7	1.7	1.8	1.8	2.1	2.2	2.2
B	0.7	0.7	0.7	0.8	0.8	0.9	1.0	1.1	1.1	1.2	1.5	1.8	1.8	1.9
G	1.6	1.7	1.7	1.7	1.7	1.8	2.0	2.0	2.0	2.1	2.1	2.1	2.2	2.45
S	4.3	4.9	5.0	5.3	5.6	5.8	6.5	6.9	7.2	7.7	8.3	9.1	9.4	10.6

	730KK	818KK	918KK	1088KK	1288KK	1388KK	1588KK	1788KK	2188KK	2388KK	2688KK	3288KK	3688KK
L	11.1	11.5	11.5	11.7	12.6	14	14.5	15.5	17.2	18	19.4	20.24	22
A	9.8	9.72	9.7	9.9	10.6	12.1	12.4	13.1	14.6	15	17	17.7	18.82
W	2.3	2.5	2.6	2.6	3.0	3.3	3.1	3.5	3.8	4.2	4.4	4.6	5.9
B	1.95	1.86	2.1	2.14	2.3	2.3	2.3	2.4	2.6	3.0	3.1	3.33	3.31
G	2.4	2.4	2.4	2.5	2.6	2.9	2.9	3.2	3.5	4.2	3.8	4.01	4.3

Locating Ring Diameter



NOTE:

CONTROL SYSTEM

- High-performance industrial computer with stable, durable, and user-friendly interface.
- Self-diagnostic function for real-time fault detection.
- Direct input of pressure, speed, stroke, time, and temperature parameters.
- LCD color touch display with intuitive layout.
- Centralized lubrication control.
- Pressure-coupled hydraulic circuit for optimized energy efficiency.
- High-precision electronic ruler for stroke control, enhancing repeatability and operability.
- Multiple integrated safety interlocks.
- Closed-loop control for ultra-precise molding.
- Taiwan Techmation controller.
- Austria KEBA controller.
- KAIMING ZHIFENG 5th Gen Smart Cloud for digitalized, networked factory management.

HYDRAULIC SYSTEM

- Servo energy-saving system.
- Self-sealing suction filter (for 600 T and above).
- CNC-controlled back-pressure adjustment.
- Non-welded hydraulic piping design.
- High-efficiency oil-cooling unit.
- High-performance hydraulic control valves.
- Anti-retraction valve for injection carriage.
- Oil-temperature display and alarm functions.
- Bypass oil-filtration device.
- Hydraulic over-pressure protection.
- Enlarged hydraulic power system.
- Mold-sequence valve with independent power source.
- High-response servo injection system.
- Multiple hydraulic core-pulling circuits.
- One-touch core-release function.

● Std. ○ Opt.

NOTE:

Handwriting practice lines consisting of 20 horizontal dotted lines.

KAIMING