



Electric Injection Molding Machine Series

KD Electric High-Speed Injection Molding Machine

KDK Hybrid High-Speed Injection Molding Machine

KDH Hybrid Thin-Wall Injection Molding Machine

2026B



► Official Website

Guangdong Kaiming Engineering Co.,LTD

Guangdong Kaiming Engineering Co.,LTD

Website: www.kaiming-china.com | Email: sales@kaiming-china.com

Sales Hotline: +86 (757) 8360 2888 | Service & Support: +86 (757) 8360 5656

Address: No. 1 Mingye Road, Sanshui District, Foshan City, Guangdong, China



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.KK High Precision Servo IMM
- 2.KX Precision Servo IMM
- 3.KSS/SSM Multi-Component IMM
- 4.KS Servo Two-Platen Direct Clamping 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.

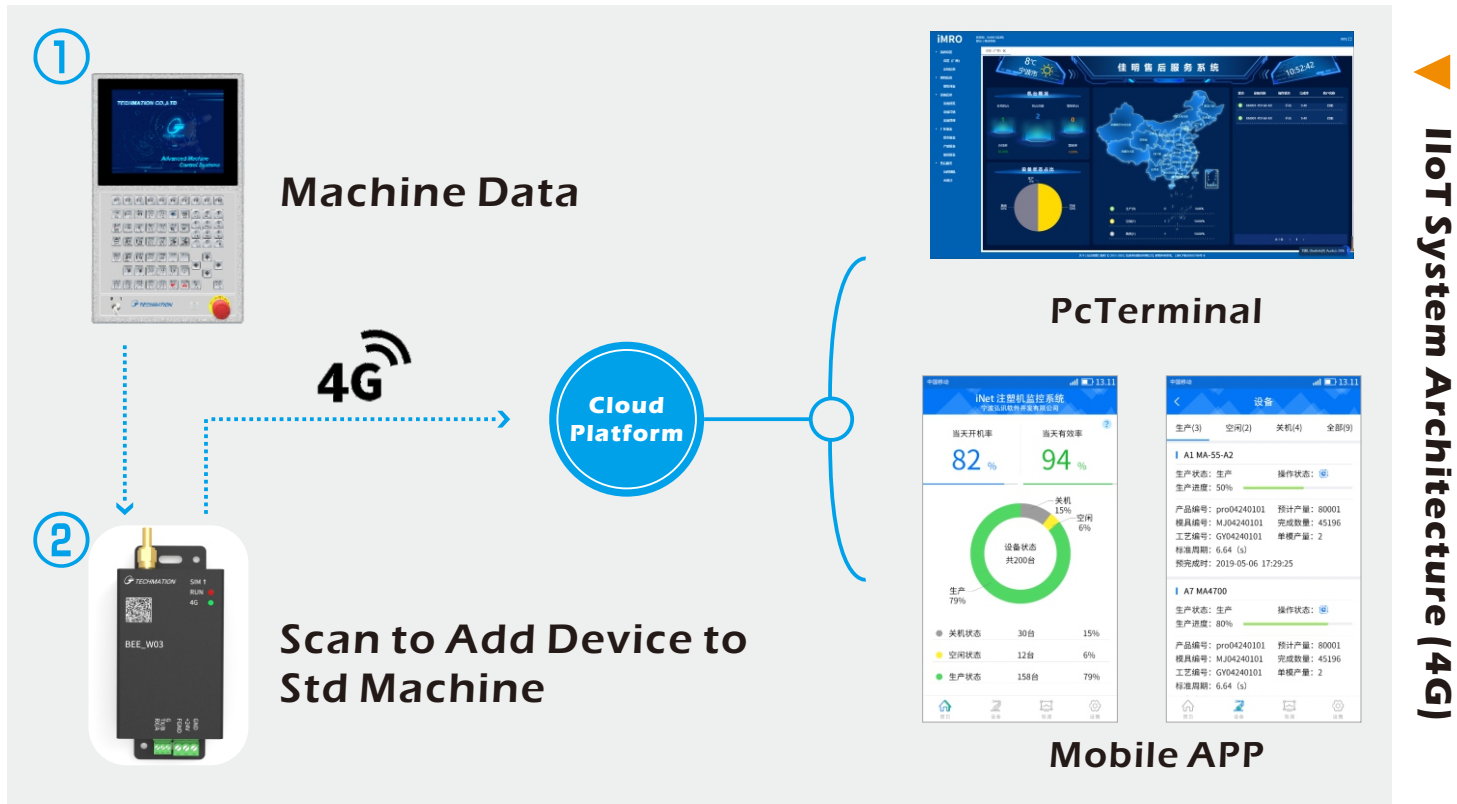
IML Compatibility: Enlarged servo-hydraulic system with proportional-valve mold control ensures fast, precise movement and seamless in-mold labeling operation.

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.

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

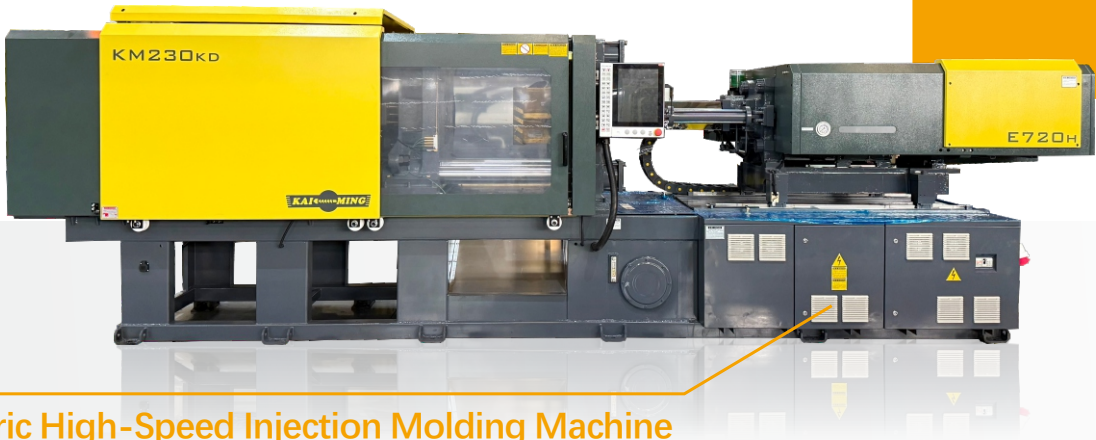
LITE EDITION:
Wireless Connection
(Simple Setup)
Cloud Deployment
(Maintenance-Free)
Entry-Level Functions.

DATA INTERFACE:
Provides equipment data in
OPC UA format.

KD Electric High-Speed Injection Molding Machine

- ◆ Dual linear Guide Rail System: Ensures rapid, smooth, and stable injection.
- ◆ Premium Components: Guarantees long-term reliability and performance.
- ◆ High-Dynamic Response: Low-inertia design with 0.01mm precision minimizes part deviation.
- ◆ Efficient Plasticizing: Optimized screw design reduces cycle time and energy consumption.
- ◆ Expanded Process Window: Unlocks complex applications.

INJECTION UNIT



KD Electric High-Speed Injection Molding Machine

CLAMPING UNIT

- ◆ Precision Electric Drive: Ensures fast, accurate, and stable platen movement.
- ◆ Low-Noise Operation: Significantly lower noise than hydraulic systems.
- ◆ Synchronous Motion Control: Enables multi-tasking for shorter cycle times.

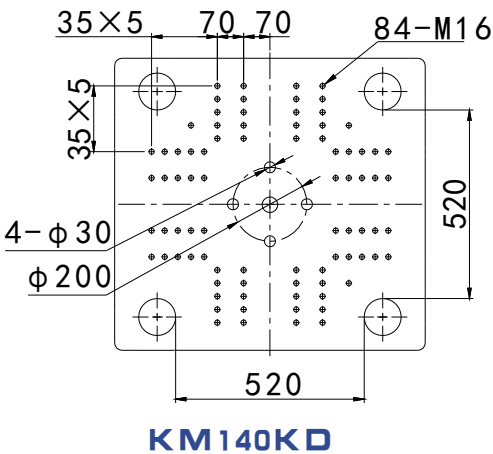
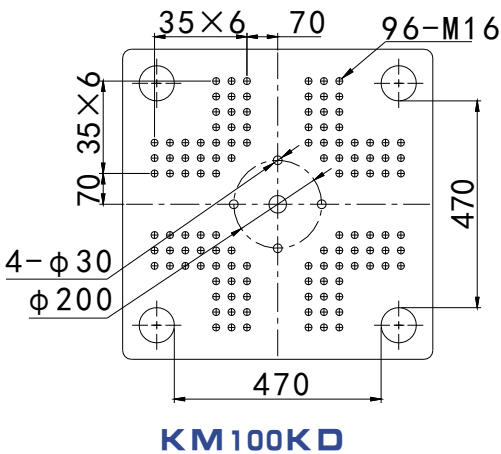
TECHNICAL SPECIFICATIONS



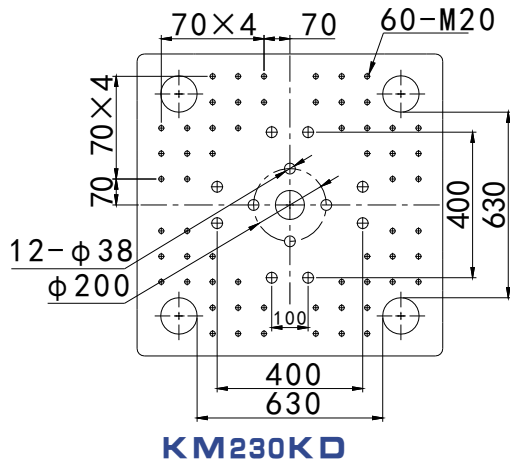
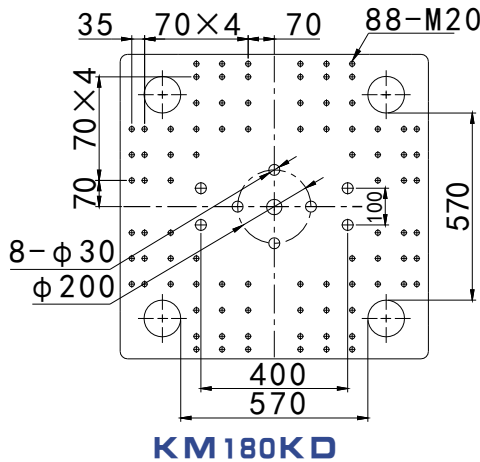
Electric High-Speed IMM		KM100KD				KM140KD			
Injection Unit	UNIT	Std. Config.				Std. Config.			
Screw		A1	A2	B1	B2	A1	A2	B1	B2
Screw diameter	mm	25	28	32	35	25	28	32	35
Screw L/D ratio	L/D	20	20	20.8	19	20	20	20.8	19
Shot weight(PS)	g	67	84	110	132	67	84	110	132
	OZ	2.3	3	3.9	4.7	2.3	3	3.9	4.7
Shot volume(theoretial)	cm³	73	92	120	144	73	92	120	144
Injection pressure	kg/cm³	3600	2870	2500	2090	3600	2870	2500	2090
Injection rate	cm³/sec	245	308	281	337	245	308	281	337
Nozzle stroke	mm	150				150			
Injection speed	mm/s	500		350		500		350	
Screw speed	r.p.m	0-400		0-400		0-400		0-400	
Clamping Unit									
Space between tie bars	mm	470*470				520*520			
Mould platen size	mm	705*705				760*760			
Min.mould dimension	mm	330*330				360*360			
Clamping force	ton	100				140			
Combined thickness of mould	mm	150-430				180-520			
Mould opens	mm	380				420			
Ejector stroke	mm	90				120			
Ejector number	pcs	5				5			
Ejector force	ton	2.5				4			
General									
System pressure	kg/cm²	160				160			
Heating power	kw	4.6		6.89		4.6		6.89	
Motor power	kw	8.6				8.6			
Weight,approx	ton	4.9				5.3			
Dimensions of machine(L*W*H)	m	4.6*1.4*1.6				5.1*1.4*1.8			
Oiltank Cubage	L	85				85			

We reserve the right to modify technical parameters without prior notice

Platen Dimensions



Platen Dimensions



Electric High-Speed IMM		KM180KD				KM230KD			
Injection Unit	UNIT	Std.		Opt.		Std.		Opt.	
Screw		A1	A2	B1	B2	A1	A2	B1	B2
Screw diameter	mm	25	28	35	40	35	40	40	45
Screw L/D ratio	L/D	20	20	22.8	20	22.8	20	22.8	20
Shot weight(PS)	g	67	84	177	231	177	231	231	292
	OZ	2.3	3	6	8.2	6	8.2	8	10.3
Shot volume(theoretial)	cm³	73	92	192	251	192	251	251	318
Injection pressure	kg/cm³	3600	2870	2500	1914	2500	1914	2500	1975
Injection rate	cm³/sec	245	308	337	440	337	440	440	556
Nozzle stroke	mm	150		200		200			
Injection speed	mm/s	500		350		350		350	
Screw speed	r.p.m	0-400		0-400		0-400		0-400	
Clamping Unit									
Space between tie bars	mm	570*570				630*630			
Mould platen size	mm	855*855				945*945			
Min.mould dimension	mm	400*400				440*440			
Clamping force	ton	180				230			
Combined thickness of mould	mm	200-560				220-600			
Mould opens	mm	470				550			
Ejector stroke	mm	150				150			
Ejector number	pcs	9				13			
Ejector force	ton	4.5				5.8			
General									
System pressure	kg/cm²	160				160			
Heating power	kw	4.6		6.89		9.1		10.3	
Motor power	kw	8.6				8.6			
Weight,approx	ton	7.3				9.8			
Dimensions of machine(L*W*H)	m	5.9*1.5*2				6.4*1.65*2.1			
Oiltank Cubage	L	85				85			

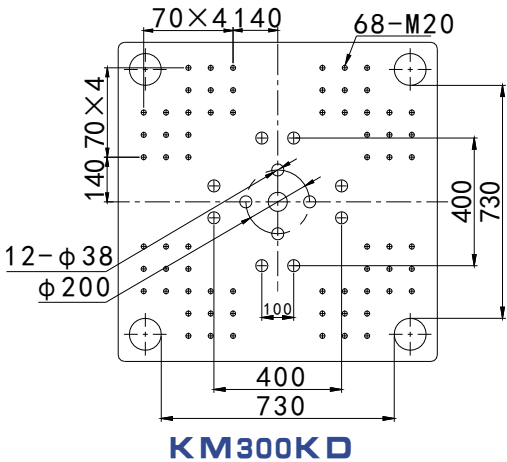
TECHNICAL
SPECIFICATIONS



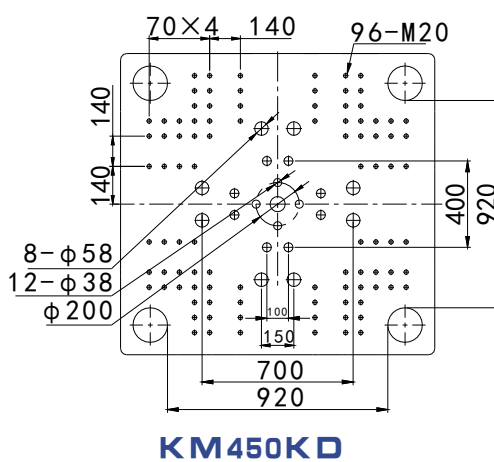
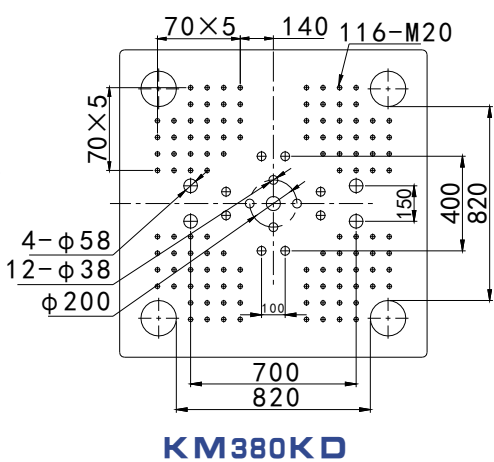
Electric High-Speed IMM		KM300KD			
Injection Unit	UNIT	Std.		Opt.	
Screw		A1	A2	B1	B2
Screw diameter	mm	40	45	50	55
Screw L/D ratio	L/D	22.8	20	22	20
Shot weight(PS)	g	231	292	365	437
	OZ	8	10.3	12.9	15.4
Shot volume(theoretical)	cm³	251	318	393	475
Injection pressure	kg/cm³	2500	1975	2500	2066
Injection rate	cm³/sec	440	556	589	712
Nozzle stroke	mm	200		200	
Injection speed	mm/s	350		300	
Screw speed	r.p.m	0-400		0-350	
Clamping Unit					
Space between tie bars	mm	730*730			
Mould platen size	mm	1045*1045			
Min.mould dimension	mm	510*510			
Clamping force	ton	300			
Combined thickness of mould	mm	260-650			
Mould opens	mm	610			
Ejector stroke	mm	160			
Ejector number	pcs	13			
Ejector force	ton	5.8			
General					
System pressure	kg/cm²	160			
Heating power	kw	10.3		13	
Motor power	kw	8.6			
Weight,approx	ton	13.2			
Dimensions of machine(L*W*H)	m	7*1.9*2.1			
Oiltank Cubage	L	85			

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

Platen
Dimensions

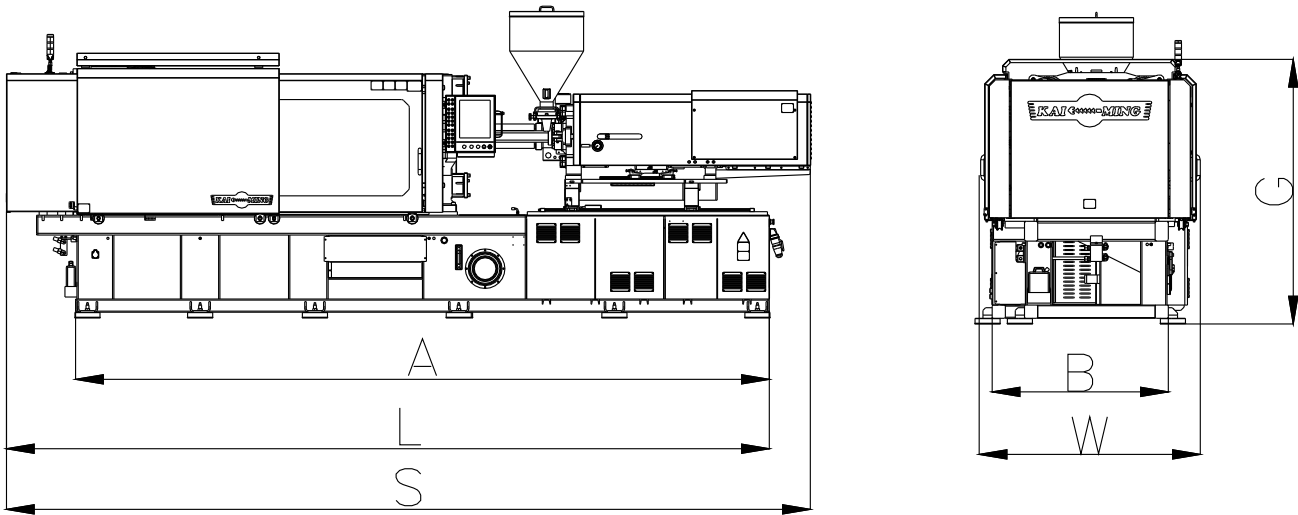


Platen
Dimensions



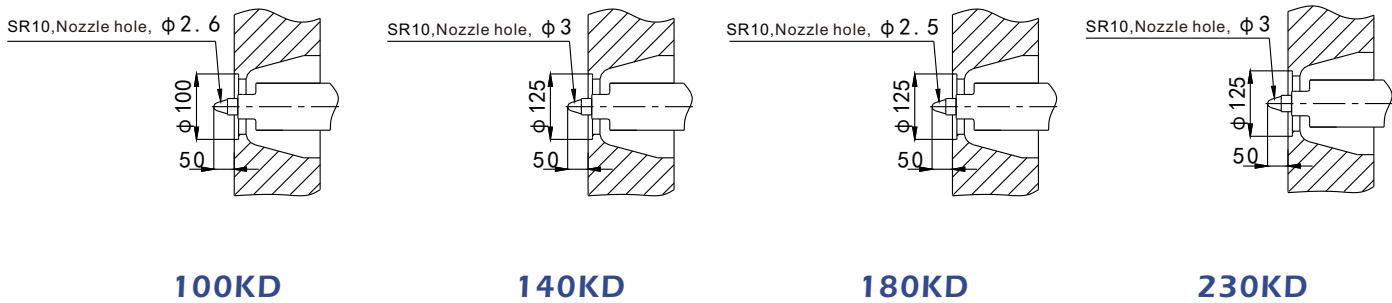
Electric High-Speed IMM		KM380KD			KM450KD		
Injection Unit	UNIT	Std. Config.			Std. Config.		
Screw		A	B	C	A	B	C
Screw diameter	mm	55	60	65	60	65	70
Screw L/D ratio	L/D	21.8	20	18.4	21.6	20	18.5
Shot weight(PS)	g	562	668	785	720	845	980
	OZ	19.8	23.6	27.7	25.4	29.8	34.6
Shot volume(theoretial)	cm³	617	735	862	791	929	1077
Injection pressure	kg/cm³	2142	1800	1534	2113	1800	1552
Injection rate	cm³/sec	593	706	829	452	530	615
Nozzle stroke	mm	260			280		
Injection speed	mm/s	250			160		
Screw speed	r.p.m	0-300			0-300		
Clamping Unit							
Space between tie bars	mm	820*820			920*920		
Mould platen size	mm	1145*1145			1250*1250		
Min.mould dimension	mm	575*575			645*645		
Clamping force	ton	380			450		
Combined thickness of mould	mm	300-720			330-810		
Mould opens	mm	720			810		
Ejector stroke	mm	200			200		
Ejector number	pcs	17			21		
Ejector force	ton	9.9			9.9		
General							
System pressure	kg/cm²	160			160		
Heating power	kw	15			19.2		
Motor power	kw	8.6			8.6		
Weight,approx	ton	16			22.2		
Dimensions of machine(L*W*H)	m	7.7*2*2.3			8.3*2.2*2.3		
Oiltank Cubage	L	85			85		

KD SERIES – MACHINE OVERALL DIMENSIONS (M)



	100KD	140KD	180KD	230KD
L	4.9	5	5.5	5.8
A	4.4	4.5	4.8	5.3
W	1.3	1.4	1.5	1.6
B	0.8	0.9	1	1.1
G	1.7	1.8	1.9	2
S	4.9	5	5.6	6.1

KD SERIES – LOCATING RING DIAMETER



KD SERIES – OPTIONS AND CONFIGURATIONS

INJECTION UNIT

- Dual Injection Carriage Structure
- Mold Open/Pre-Plasticizing Linkage
- Barrel Diameter Options
- Nozzle Center Fine-Tuning Adjustment
- Dual Linear Guides for Injection Unit
- Screw Rotation Speed Setting
- Suck-Back Device
- Multi-Stage Injection, Holding, and Charging Control
- Screw Cold Start Prevention
- Auto Purge
- Extended Nozzle
- Shut-Off Nozzle
- Special Alloy Barrel
- Infrared Heating Bands

CLAMPING UNIT

- High-Strength Graphite Bushings
- Clamping Plate
- Platens/Toggle System in Nodular Cast Iron
- High-Precision Linear Transducer for Position Control
- Simultaneous Ejection
- Wear Strips for Moving Platen
- Hard Chrome Plated Tie Bars
- Auto Mold Adjustment
- Auto Central Lubrication
- Multi-Function Ejector Control
- Increased Mold Space
- Multi-Circuit Hydraulic Core Pull
- Core Pull Unscrewing Device
- Mold Insulation Plates

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.
- Fast Response, High Precision, and Enhanced Speed Stability.
- Multiple integrated safety interlocks.
- Closed-loop control for ultra-precise molding.
- Taiwan Techmation controller.
- Powered by the Inovance Control System.
- KAIMING ZHIFENG 5th Gen Smart Cloud for digitalized, networked factory management.

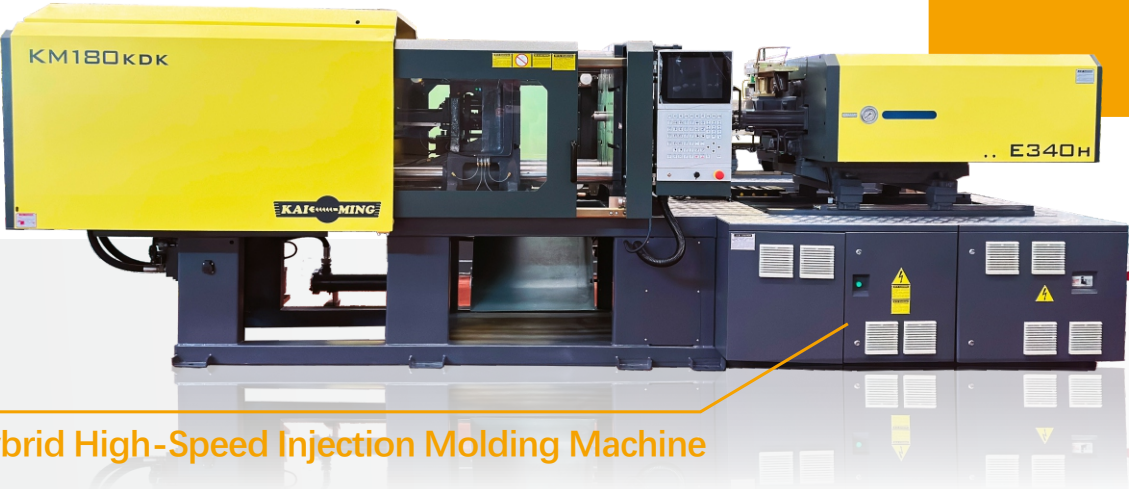
● Std. ○ Opt.

KDK

KDK Hybrid High-Speed Injection Molding Machine >>>

- ◆Dual linear Guide Rail System: Ensures rapid, smooth, and stable injection.
- ◆Premium Components: Guarantees long-term reliability and performance.
- ◆High-Dynamic Response: Low-inertia design with 0.01mm precision minimizes part deviation.
- ◆Efficient Plasticizing: Optimized screw design reduces cycle time and energy consumption.
- ◆Expanded Process Window: Unlocks complex applications.

INJECTION UNIT



KDK Hybrid High-Speed Injection Molding Machine

CLAMPING UNIT

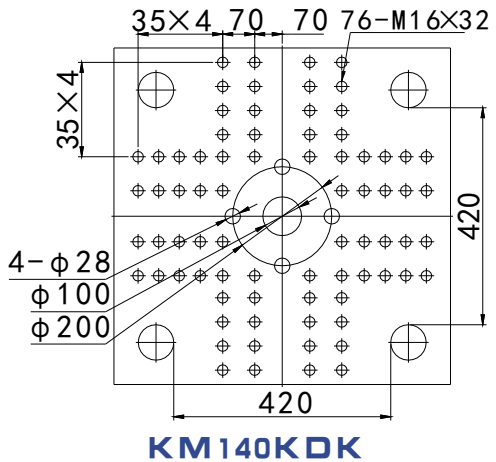
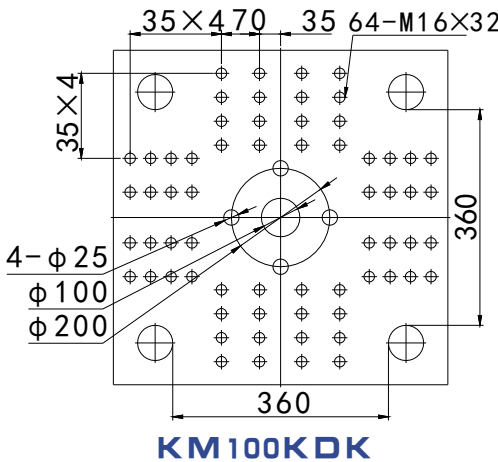
- ◆Robust Hydraulic System: Delivers proven stability and cost-effectiveness.
- ◆Self-Lubricating Bushings: Minimize maintenance and extend service life.
- ◆High-Speed Toggle Design: Intelligent algorithm ensures fast response and shorter cycles.

TECHNICAL SPECIFICATIONS

Hybrid High-Speed IMM		KM100KDK				KM140KDK			
Injection Unit	UNIT	Std. Config.				Std. Config.			
Screw		A1	A2	B1	B2	A1	A2	B1	B2
Screw diameter	mm	25	28	32	35	25	28	32	35
Screw L/D ratio	L/D	20	20	20.8	19	20	20	20.8	19
Shot weight(PS)	g	67	84	110	132	67	84	110	132
	OZ	2.3	3	3.9	4.7	2.3	3	3.9	4.7
Shot volume(theoretial)	cm³	73	92	120	144	73	92	120	144
Injection pressure	kg/cm³	3600	2870	2500	2090	3600	2870	2500	2090
Injection rate	cm³/sec	245	308	281	337	245	308	281	337
Nozzle stroke	mm	150		150		150		150	
Injection speed	mm/s	500		350		500		350	
Screw speed	r.p.m	0-400		0-400		0-400		0-400	
Clamping Unit									
Space between tie bars	mm	360*360				420*420			
Mould platen size	mm	545*545				650*650			
Min.mould dimension	mm	280*280				290*290			
Clamping force	ton	100				140			
Combined thickness of mould	mm	140-380				150-460			
Mould opens	mm	330				400			
Ejector stroke	mm	100				120			
Ejector number	pcs	5				5			
Ejector force	ton	3				4.5			
General									
System pressure	kg/cm²	160				160			
Heating power	kw	4.6		6.89		4.6		6.89	
Motor power	kw	11.8				17.3			
Weight,approx	ton	4.3				5.2			
Dimensions of machine(L*W*H)	m	4.6*1.4*1.57				5.1*1.4*1.8			
Oiltank Cubage	L	140				170			

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

Platen Dimensions



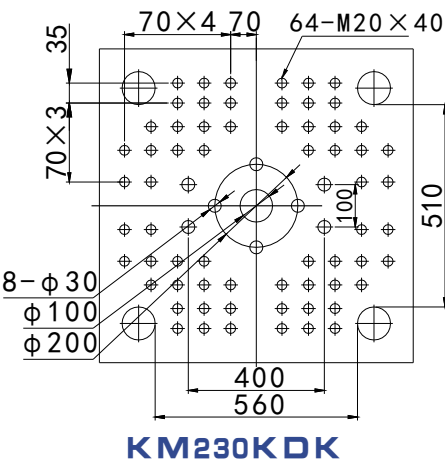
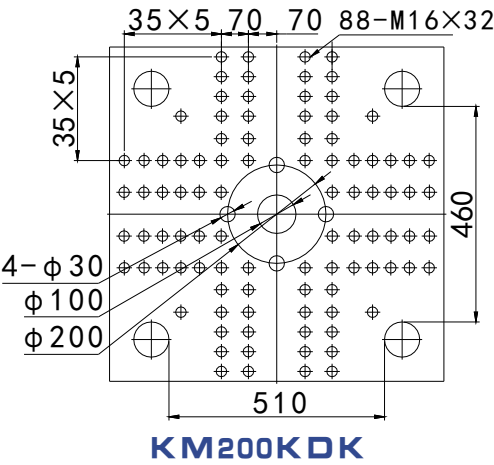
TECHNICAL SPECIFICATIONS



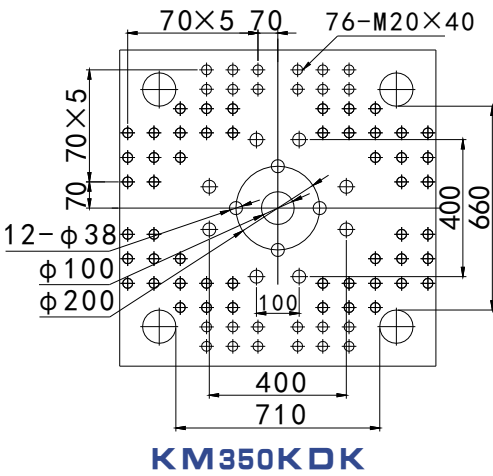
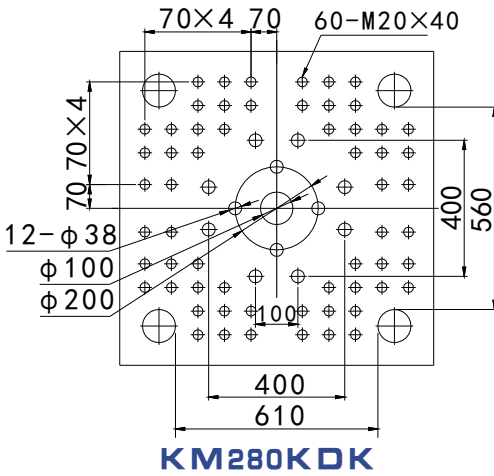
Hybrid High-Speed IMM		KM200KDK				KM230KDK			
Injection Unit	UNIT	Std.		Opt.		Std.		Opt.	
Screw		A1	A2	B1	B2	A1	A2	B1	B2
Screw diameter	mm	32	35	35	40	35	40	40	45
Screw L/D ratio	L/D	20.8	19	22.8	20	22.8	20	22.8	20
Shot weight(PS)	g	110	132	177	231	177	231	231	292
	OZ	3.9	4.7	6	8.2	6	8.2	8	10.3
Shot volume(theoretical)	cm³	120	144	192	251	192	251	251	318
Injection pressure	kg/cm³	2500	2090	2500	1914	2500	1914	2500	1975
Injection rate	cm³/sec	281	337	337	440	337	440	440	556
Nozzle stroke	mm	150		200		200		200	
Injection speed	mm/s	350		350		350		350	
Screw speed	r.p.m	0-400		0-400		0-400		0-400	
Clamping Unit									
Space between tie bars	mm	510*460				560*510			
Mould platen size	mm	750*702				840*790			
Min.mould dimension	mm	350*320				390*355			
Clamping force	ton	200				230			
Combined thickness of mould	mm	180-530				180-600			
Mould opens	mm	450				500			
Ejector stroke	mm	140				150			
Ejector number	pcs	5				9			
Ejector force	ton	5.3				6.2			
General									
System pressure	kg/cm²	160				160			
Heating power	kw	6.89		9.1		9.1		10.3	
Motor power	kw	23.6				34.6			
Weight,approx	ton	6.2				8.5			
Dimensions of machine(L*W*H)	m	5.6*1.5*1.8				5.8*1.55*1.9			
Oiltank Cubage	L	200				260			

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

Platen Dimensions



Platen Dimensions



Hybrid High-Speed IMM		KM280KDK				KM350KDK					
Injection Unit	UNIT	Std.		Opt.		Std.			Opt.		
Screw		A1	A2	B1	B2	A1	A2	A3	B1	B2	B3
Screw diameter	mm	40	45	50	55	50	55	60	55	60	65
Screw L/D ratio	L/D	22.8	20	22	20	22	20	18.3	21.8	20	18.4
Shot weight(PS)	g	231	292	365	437	365	437	520	562	668	785
	OZ	8	10.3	12.9	15.4	12.9	15.9	18.3	19.8	23.6	27.7
Shot volume(theoretial)	cm³	251	318	393	475	393	475	565	617	735	862
Injection pressure	kg/cm³	2500	1975	2500	2066	2178	1800	1513	2142	1800	1534
Injection rate	cm³/sec	440	556	589	712	490	593	706	593	706	829
Nozzle stroke	mm	200		200		200		260			
Injection speed	mm/s	350		300		250		250			
Screw speed	r.p.m	0-400		0-350		0-300		0-300			
Clamping Unit											
Space between tie bars	mm	610*560				710*660					
Mould platen size	mm	980*870				1030*980					
Min.mould dimension	mm	427*392				495*460					
Clamping force	ton	280				350					
Combined thickness of mould	mm	240-630				250-720					
Mould opens	mm	560				660					
Ejector stroke	mm	160				180					
Ejector number	pcs	13				13					
Ejector force	ton	7.7				7.7					
General											
System pressure	kg/cm²	160				160					
Heating power	kw	10.3		13		13		15			
Motor power	kw	42.4				42.4					
Weight,approx	ton	10.5				12.5					
Dimensions of machine(L*W*H)	m	6.4*1.6*1.9				7.3*1.7*2					
Oiltank Cubage	L	300				400					

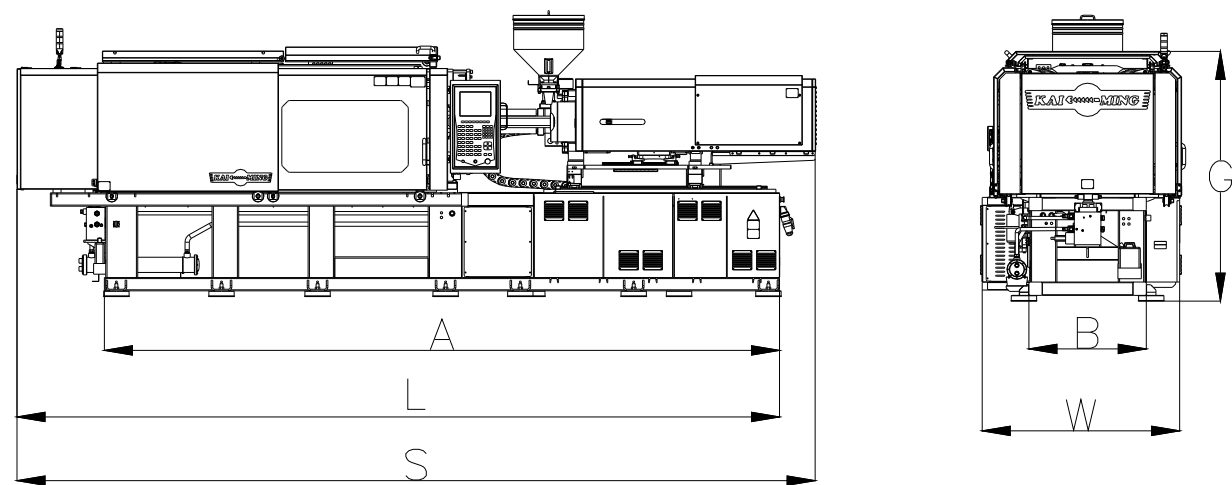
Note: We reserve the right to modify technical parameters without prior notice.

Technical drawing of the KM400KDK machine base. The drawing shows a square base with a central circular feature. Key dimensions and features include:

- Overall width: 760
- Overall height: 710
- Central circular feature diameter: $\Phi 100$
- Mounting holes: 12 $\Phi 38$
- Top edge dimensions: 70x4, 140, 68-M20x40
- Right edge dimensions: 400, 710
- Bottom edge dimensions: 400, 760
- Left edge dimensions: 140, 70x4

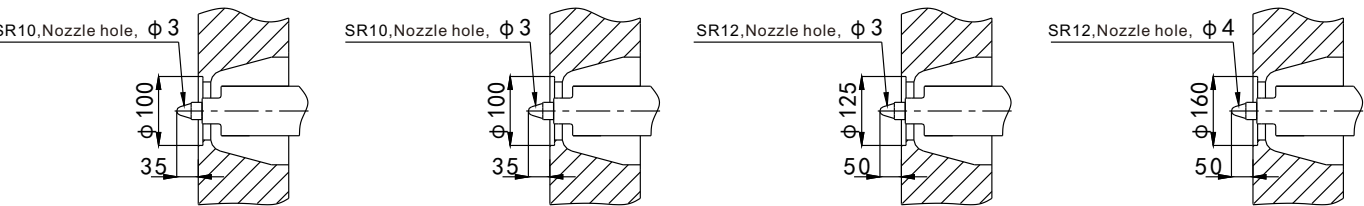
[illegible][illegible]

KDK SERIES – MACHINE OVERALL DIMENSIONS (M)



	100KDK	140KDK	200KDK	230KDK	280KDK	350KDK	600KDK
L	4.6	4.9	5.2	5.7	6.2	7.2	9
A	4.1	4.2	4.5	5.1	5.4	6.4	8.1
W	1.2	1.1	1.2	1.4	1.6	1.7	1.9
B	0.7	0.8	0.8	0.9	1	1.1	1.4
G	1.6	1.7	1.7	1.8	1.9	1.9	2.2
S	4.6	5.1	5.3	6	6.7	7.2	9.5

KDK SERIES – LOCATING RING DIAMETER



100KDK 140KDK 200-280KDK 350-600KDK

KDK SERIES – OPTIONS AND CONFIGURATIONS

INJECTION UNIT

- Dual Injection Carriage Structure
- Mold Open/Pre-Plasticizing Linkage
- Barrel Diameter Options
- Nozzle Center Fine-Tuning Adjustment
- Dual Linear Guides for Injection Unit
- Screw Rotation Speed Setting
- Suck-Back Device
- Multi-Stage Injection, Holding, and Charging Control
- Screw Cold Start Prevention
- Auto Purge
- Extended Nozzle
- Shut-Off Nozzle
- Special Alloy Barrel
- Infrared Heating Bands

CLAMPING UNIT

- High-Strength Graphite Bushings
- Clamping Plate
- Platens/Toggle System in Nodular Cast Iron
- High-Precision Linear Transducer for Position Control
- Differential Clamping Function
- Wear Strips for Moving Platen
- Hard Chrome Plated Tie Bars
- Auto mold setting hydraulic gear adjustment device
- Auto Central Lubrication
- Multi-Function Ejector Control
- Increased Mold Space
- Multi-Circuit Hydraulic Core Pull
- Core Pull Unscrewing Device
- Mold Insulation Plates

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.
- Fast Response, High Precision, and Enhanced Speed Stability.
- Multiple integrated safety interlocks.
- Closed-loop control for ultra-precise molding.
- Taiwan Techmation controller.
- Powered by the Inovance Control System.
- KAIMING ZHIFENG 5th Gen Smart Cloud for digitalized, networked factory management.

● Std. ○ Opt.

KDH

KDH Hybrid Thin-Wall Injection Molding Machine >>

- ◆Dual linear Guide Rail System: Ensures rapid, smooth, and stable injection.
- ◆Premium Components: Guarantees long-term reliability and performance.
- ◆High-Dynamic Response: Low-inertia design with 0.01mm precision minimizes part deviation.
- ◆Efficient Plasticizing: Optimized screw design reduces cycle time and energy consumption.
- ◆Expanded Process Window: Unlocks complex applications.

INJECTION UNIT



KDH Hybrid Thin-Wall Injection Molding Machine

CLAMPING UNIT

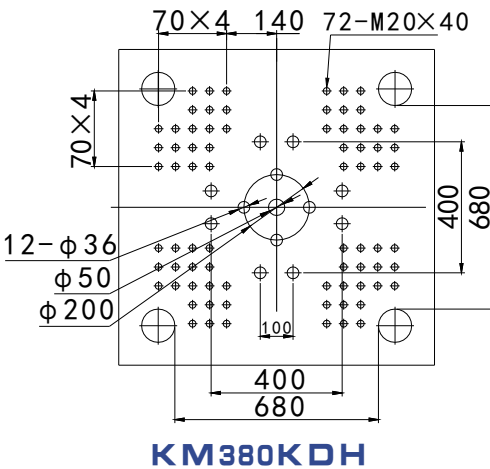
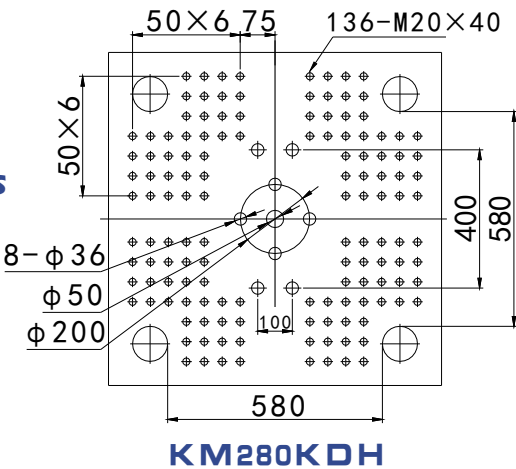
- ◆Reinforced Platens: High-rigidity design specifically optimized for thin-wall applications.
- ◆Heavy-Duty Build: Thickened tie bars and enlarged pins ensure high-speed stability.
- ◆High-Speed Control: Proportional valves guarantee fast and accurate mold movements.

TECHNICAL SPECIFICATIONS

Hybrid Thin-Wall IMM		KM280KDH				KM380KDH			
Injection Unit	UNIT	Opt.		Std.		Opt.		Std.	
Screw		A	B	A	B	A	B	A	B
Screw diameter	mm	40	45	45	50	45	50	50	55
Screw L/D ratio	L/D	24	24	24	24	24	24	24	24
Shot weight(PS)	g	231	292	292	365	292	365	365	437
	OZ	8.2	10	10	12.9	10	12.9	12.9	15.4
Shot volume(theoretial)	cm³	251	351	318	393	318	393	393	475
Injection pressure	kg/cm³	2278	1800	2222	1800	2222	1800	2178	1800
Injection rate	cm³/sec	439	556	556	687	556	687	687	831
Nozzle stroke	mm	200		200		200		200	
Injection speed	mm/s	350		350		350		350	
Screw speed	r.p.m	0-350		0-350		0-350		0-350	
Clamping Unit									
Space between tie bars	mm	580*580				680*680			
Mould platen size	mm	870*850				1040*980			
Min.mould dimension	mm	400*400				460*460			
Clamping force	ton	280				380			
Combined thickness of mould	mm	240-630				300-720			
Mould opens	mm	535				630			
Ejector stroke	mm	160				180			
Ejector number	pcs	9				13			
Ejector force	ton	7.7				9			
General									
System pressure	kg/cm²	140				140			
Heating power	kw	11.1	13	13	15.6	13	15.6	15.6	18
Motor power	kw	34.6				42.4			
Weight,approx	ton	13				18			
Dimensions of machine(L*W*H)	m	7.1*1.7*2				7.6*1.9*2			
Oiltank Cubage	L	400				400			

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

Platen Dimensions



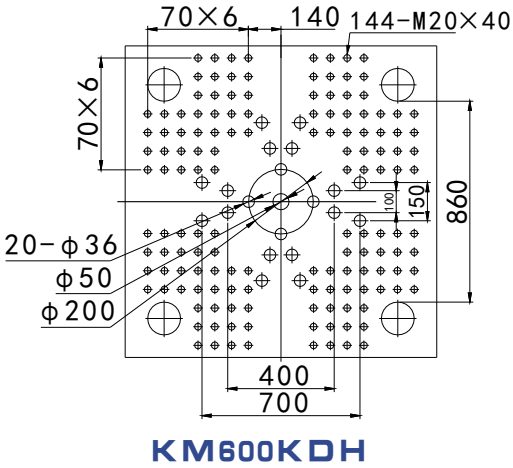
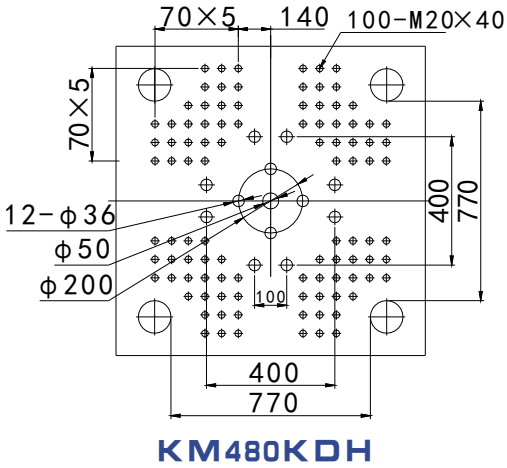
TECHNICAL SPECIFICATIONS



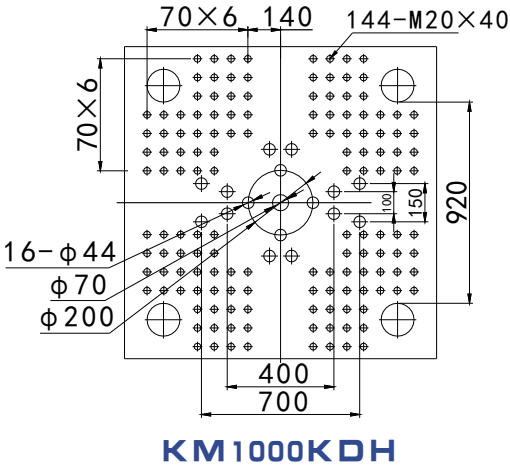
Hybrid Thin-Wall IMM		KM480KDH				KM600KDH			
Injection Unit	UNIT	Opt.		Std.		Opt.		Std.	
Screw		A	B	A	B	A	B	A	B
Screw diameter	mm	50	55	55	60	55	60	60	65
Screw L/D ratio	L/D	24	24	24	24	24	24	24	24
Shot weight(PS)	g	365	437	437	520	437	520	720	845
	OZ	12.9	15.4	15.9	18.3	15.9	18.3	25.4	29.9
Shot volume(theoretial)	cm³	393	475	475	565	475	565	791	929
Injection pressure	kg/cm³	2178	1800	2142	1800	2142	1800	2113	1800
Injection rate	cm³/sec	981	1187	1187	1413	1187	1413	1413	1659
Nozzle stroke	mm	200		200		200		280	
Injection speed	mm/s	500		500		500		500	
Screw speed	r.p.m	0-350		0-350		0-350		0-350	
Clamping Unit									
Space between tie bars	mm	770*770				860*860			
Mould platen size	mm	1220*1220				1250*1250			
Min.mould dimension	mm	550*550				580*580			
Clamping force	ton	480				600			
Combined thickness of mould	mm	380-920				350-1000			
Mould opens	mm	780				830			
Ejector stroke	mm	220				215			
Ejector number	pcs	13				13			
Ejector force	ton	11				13			
General									
System pressure	kg/cm²	140				140			
Heating power	kw	15.6	18	18	22	18	22	22	37.5
Motor power	kw	55				34.6+34.6			
Weight,approx	ton	26				35			
Dimensions of machine(L*W*H)	m	8.9*2.2*2.2				10.1*2.5*2.2			
Oiltank Cubage	L	480				670			

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

Platen Dimensions

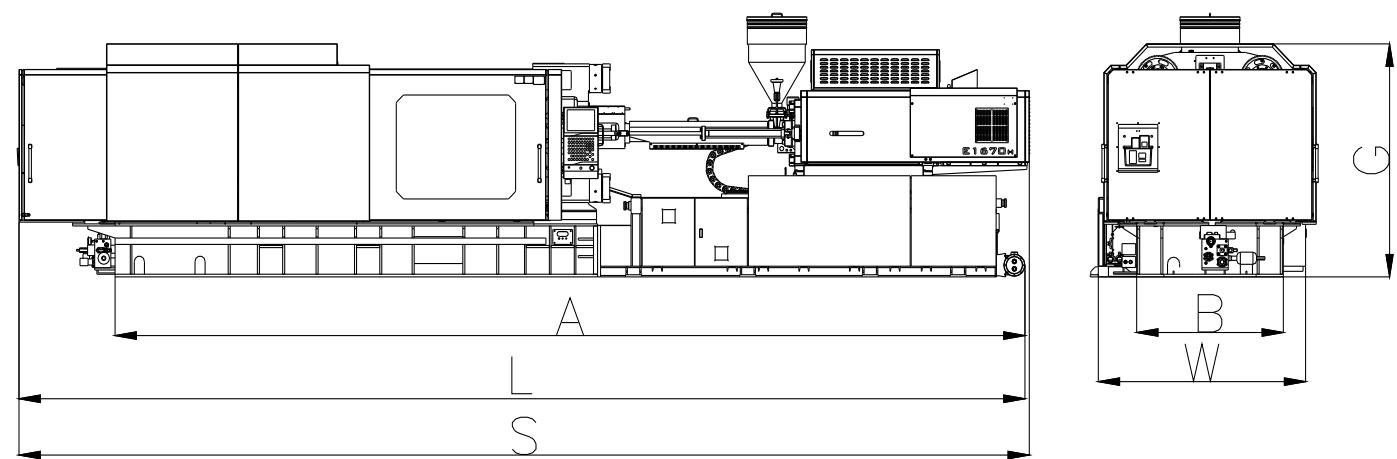


Platen Dimensions



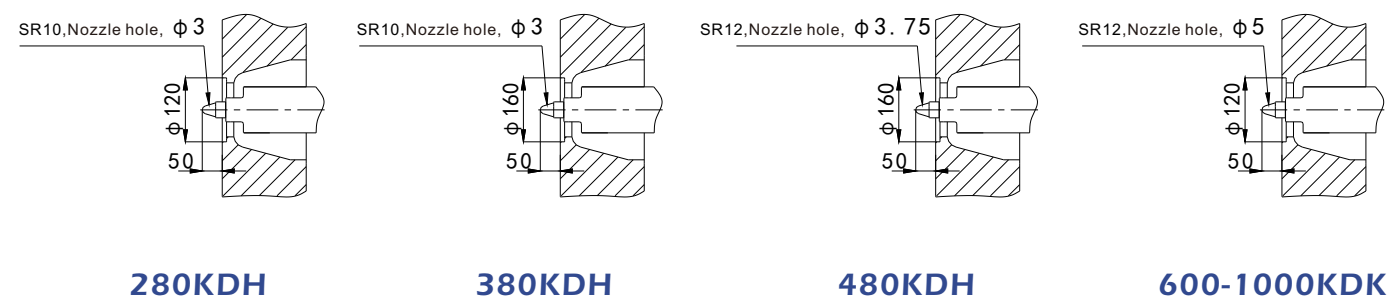
Hybrid Thin-Wall IMM		KM1000KDH			
Injection Unit	UNIT	Opt.		Std.	
Screw		A	B	A	B
Screw diameter	mm	55	60	60	65
Screw L/D ratio	L/D	24	24	24	24
Shot weight(PS)	g	437	520	720	845
	OZ	15.9	18.3	25.4	29.9
Shot volume(theoretial)	cm³	475	565	791	929
Injection pressure	kg/cm³	2142	1800	2113	1800
Injection rate	cm³/sec	1187	1413	1413	1659
Nozzle stroke	mm	200		280	
Injection speed	mm/s	500		500	
Screw speed	r.p.m	0-350		0-350	
Clamping Unit					
Space between tie bars	mm	920*920			
Mould platen size	mm	1520*1520			
Min.mould dimension	mm	664*664			
Clamping force	ton	1000			
Combined thickness of mould	mm	350-1000			
Mould opens	mm	830			
Ejector stroke	mm	215			
Ejector number	pcs	13			
Ejector force	ton	13			
General					
System pressure	kg/cm²	140			
Heating power	kw	18	22	22	37.5
Motor power	kw	55+55			
Weight,approx	ton	46			
Dimensions of machine(L*W*H)	m	10.3*2.5*2.3			
Oiltank Cubage	L	1140			

KDH SERIES – MACHINE OVERALL DIMENSIONS (M)



	280KDH	380KDH	480KDH	600KDH	1000KDH
L	7	7.6	8.8	10.3	10. 2
A	6.1	6.8	7.8	8.7	8.9
W	1.6	1.8	2	2.1	2.3
B	1.1	1.2	1.3	1.5	1.6
G	1.9	2.1	2.1	2.2	2.3
S	7	7.6	9.1	10.4	10.4

KDH SERIES – LOCATING RING DIAMETER



KDH SERIES – OPTIONS AND CONFIGURATIONS

INJECTION UNIT

- Dual Injection Carriage Structure
- Mold Open/Pre-Plasticizing Linkage
- Barrel Diameter Options
- Nozzle Center Fine-Tuning Adjustment
- Dual Linear Guides for Injection Unit
- Screw Rotation Speed Setting
- Suck-Back Device
- Multi-Stage Injection, Holding, and Charging Control
- Screw Cold Start Prevention
- Auto Purge
- Extended Nozzle
- Shut-Off Nozzle
- Special Alloy Barrel
- Infrared Heating Bands

CLAMPING UNIT

- High-Strength Graphite Bushings
- Clamping Plate
- Platens/Toggle System in Nodular Cast Iron
- High-Precision Linear Transducer for Position Control
- Reinforced Clamping Base Structure
- Wear Strips for Moving Platen
- Hard Chrome Plated Tie Bars
- Auto Mold Adjustment
- Auto Central Lubrication
- Multi-Function Ejector Control
- Increased Mold Space
- Multi-Circuit Hydraulic Core Pull
- Core Pull Unscrewing Device
- Mold Insulation Plates

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.
- Fast Response, High Precision, and Enhanced Speed Stability.
- Multiple integrated safety interlocks.
- Closed-loop control for ultra-precise molding.
- Taiwan Techmation controller.
- Powered by the Inovance Control System.
- KAIMING ZHIFENG 5th Gen Smart Cloud for digitalized, networked factory management.

● Std. ○ Opt.