

STABILITY

PROFESSIONAL

EFFICIENCY

PRECISION



**TECHNOVATION
INTERNATIONAL**

Precision Machinery Manufacturer

TECHNO-MEPEP™

PET-Series

Dedicated *servo injection molding machine*



Energy saving: Servo control system and ceramic heating system



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INTERNATIONAL**

Precision Machinery Manufacturer

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PET

Product Advantage

MINGZHEN INJECTION MOLDING MACHINE

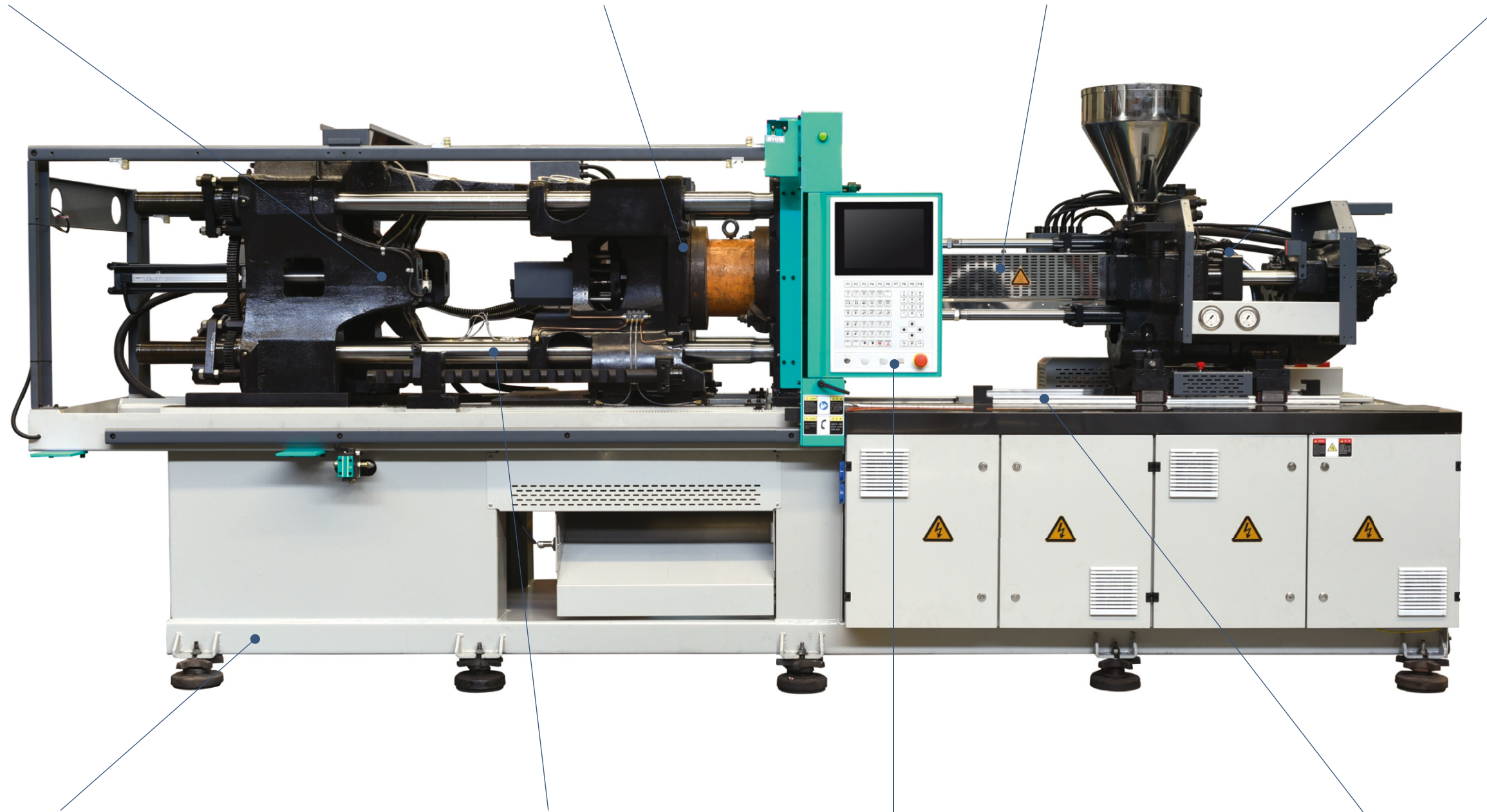


Five-support crankshaft structure provides high stability and high precision.

Big tie bar space and clamping stroke.

Closed-loop temperature control system ensures fast and accurate temperature control.

Independent servo motor melting unit



High rigidity base and integrated pipeline design enhance machine stability.

Special ejector mechanism

PET special control system for pet preform mold

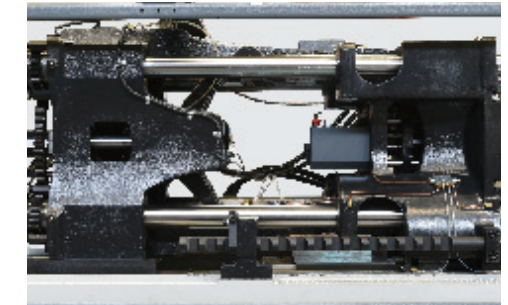
Bilinear guide rail structure makes the injection fast, stable and precise.

Product Advantage

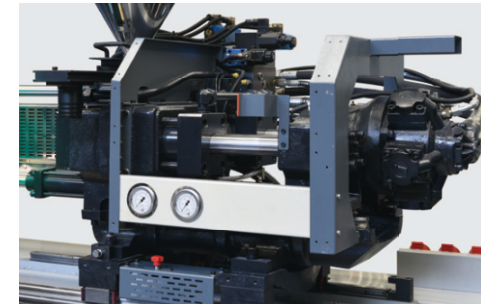
- Adopt European high precision PLC, cooperate with special program for PET preform mold, response speed faster.



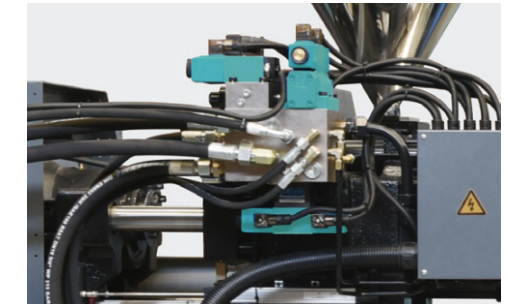
- New open and close mold structure, adopting new design concepts, optimized structure, and novel appearance.



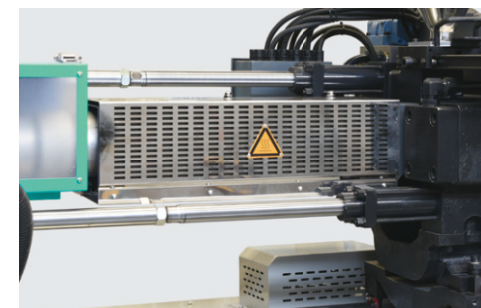
- Adopt independent electric motor melt method, effectively shorten the molding cycle time more than 50%, save energy more than 30% and melt is more stable.
- Special ejector structure design, the eject out and back cycle time only 0.8 seconds.



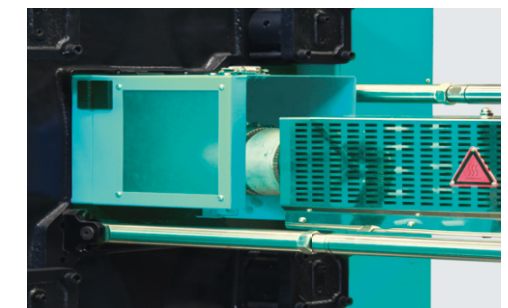
- Using a high-speed injection system, the sol and pressure retaining actions are performed simultaneously, effectively shortening the molding cycle.



- The barrel heating adopts the nanometer infrared heaters with national energy saving standard, which can save more than 40% electricity, heating time faster and make the machine life longer more than three years.



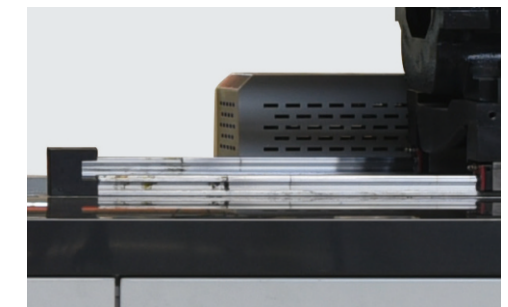
- Leading technology for the pressure valve unit, so that the melting and pressure action simultaneously, effectively shorten the molding cycle time.



- Hydraulic series save energy with the best servo motor can save more than 20%, and faster response time.



- The injection part adopts the bilinear guide rail structure with zero resistance, and the injection speed is faster and more stable.



	SPECIFICATION ITEM	UNIT	F _{III} -150	F _{III} -250	F _{III} -300	F _{III} -400	F _{III} -500
			PET	PET	PET	PET	PET
INJECTION UNIT	Screw Diameter	mm	60	70	75	85	90
	Screw L/D Ratio	L/D	24	24	24	24	24
	Shot Volume(Theoretical)	cm ³	763	1078	1679	2327	2895
	Injection Weight(PS)	g	824	1164	1813	2513	3126
		oz	29.1	41.1	64.0	88.6	110.3
	Injection Pressure	Mpa	1495	1479	1507	1545	1516
	Max. Injection Rate	g/sec	369	478	601	693	831
Max. Screw RPM	r/min	185	175	166	155	155	
CLAMPING UNIT	Clamp Tonnage	KN	1500	2500	3000	4000	5000
	Toggle Stroke	mm	420	570	660	780	870
	Min. mold Thickness	mm	920	1150	1340	1560	1750
	Mold Height(Min~Max)	mm	160 ~ 500	220 ~ 580	250 ~ 680	250 ~ 780	350 ~ 880
	Space Between Tie Bars	mm	470 X 420	580 X 580	680 X 680	780 X 780	860 X 860
	Ejector Tonnage	Kn	41	58	77	88	111
	Ejector Stroke	mm	150	180	200	220	240
OTHERS	Max. Pump Pressure	Mpa	17.5	17.5	17.5	17.5	17.5
	Heater Power	KW	15	20	25.5	35	47
	Pump Motor Power	KW	32	46	53	63	75
	Oil Tank Cubage	m	260	330	530	670	750
	Machine Dimension(LxWxH)	L	5.2 X 13.5 X 2	6.3 X 1.55 X 2.2	7.7 X 1.65 X 2.4	8.2 X 1.85 X 2.5	9.5 X 2.1 X 2.7
	Machine Weight	ton	5.2	8.5	13	18	24