



High-speed injection machine

F-PET

High stability · High efficiency · Intelligence · Energy-saving



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► Applications



Food and beverage



Dairy



Edible oil packaging
and condiment



Personal care



Medical consumables

► Efficient productivity

High-speed, accurate and short cycle

- 11.5g, 72-cavity, around 6.7S
- Dual stage injection molding system
- Three station external cooling manipulator
- Automatic mold adjustment system
- Imported high-end control valve

► Low operating cost

Energy saving and intelligent

- Optimized design of the melting part
- New energy-saving heating ring
- Servo electric melt adhesive

► Sustainable application

Stable, durable, and low noise

- Capable of carrying 48-128 cavity molds
- Servo pump technology
- Low-pressure mold protection function
- Optimized design of template support
- Integrated with German HYDAC energy storage device

► Easy to diagnose and operate

Process control and quality tracing

- Leading operating system with embedded SPC applications
- BECKOFF control system
- 24-hour response service

► FORAY / F-PET series injection molding machine parameters

Device Description	Project	Item	Unit	F-PET220	F-PET320	F-PET420
Injection Unit	螺杆直径	Screw diameter	mm	100	110	120
	螺杆长径比	Screw L/D ratio	L/D	25	25	25
	注塞直径	Plug diameter	mm	105	110	130
	注射压力	Injection pressure	kgf/cm ²	1100	1200	1000
	理论射胶容积	Thoretical shot volume	cm ³	2500	3300	4645
	理论最大注射量	Thoretical max shot volume	g	2925	3860	5430
			oz	103	134	191
塑化能力	Plastificizing speed	g/s	160	200	260	
Clamping Unit	锁模力	Clamping force	ton	220	320	420
	移模行程	Clamping stroke	mm	590	700	820
	模具厚度(最小\最大)	Mold thickness(min/max)	mm	450/750	450/900	500/900
	哥林柱内距	Tie bar space	mm	660×720	830×830	930×1030
	顶出力	Ejection force	ton	4+20	4.9+24	16+25
	顶出行程	Ejection stroke	mm	150	180	220
	顶杆数量	Number of Ejectors	pcs	Standard configuration: 10 pcs (12 max)	Standard configuration: 10 pcs (24 max)	Standard configuration: 10 pcs (20max)
Power Unit	马达功率	Motor power	kw	161	171.5	249
	机械手功率	Robot power	kw	22.5	22.5	81.6
	溶胶电热功率	Electric pre-molding power	kw	92.9	101.1	117.6
	模具加热功率	Mold heating power	kw	44	76	96
Overall Unit	最大系统压力	Max system pressure	kgf/cm ²	175	175	175
	外形尺寸	Machine size(L×W×H)	mm	9150×4340×2480	10500×4500×2720	11500×5000×2870

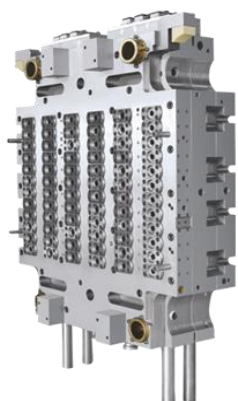
Note: The company is constantly improving its products. If there are any changes, please do not notify us separately and reserve the right to explain.

“Turnkey” solution for PET injection molding system

We can provide integrated system injection molding "turnkey" solutions from factory layout optimization to engineering implementation, from PET silos to packaging equipment.



Injection mold



Dehumidification dryer



Mold dewer



Cooling water machine



Case packer