

## Specifications of PAC Injection Molding Machines

(Selection of Injection Unit Depends on the Product Requirements)

DESCRIPTION	UNIT	PAC200		PAC250		PAC300		PAC350			
International specification		440/2000		840/2500		840/3000		1480/3500	2180/3500		
<b>INJECTION UNIT</b>											
Shot volume	cm <sup>3</sup>	219	277	441	534	636	441	534	636	763	1211
Shot weight	g	201	255	406	491	585	406	491	585	702	1114
	oz	7.1	9.0	14.3	17.3	20.6	14.3	17.3	20.6	24.8	39.3
Screw diameter	mm	40	45	50	55	60	50	55	60	60	70
Injection pressure	Mpa	199	157	190.5	157.4	132.3	190.5	157.4	132.3	194.4	180.8
Screw L:D ratio		22:1		22:1		22:1		22:1			
Max.injection speed	mm/s	232		218.2		257		175	130		
Screw stroke	mm	176		225		225		270	315		
Screw speed(stepless)	r/min	0-300		0-300		0-300		0-300			
<b>CLAMPING UNIT</b>											
Clamping force	kN	2000		2500		3000		3500			
Opening stroke	mm	500		560		610		700			
Space between tie bars	mmxmm	520x520		580x580		635x635		730x730			
Max. Daylight	mm	1050		1160		1260		1450			
Mold thickness(Min.Max)	mm	200-550		220-600		250-650		300-750			
Hydraulic ejection stroke	mm	150		180		180		200			
Ejector number		5		13		13		13			
Hydraulic ejection force	kN	77		137		137		137			
<b>POWER UNIT</b>											
Hydraulic system pressure	Mpa	17.5		17.5		17.5		17.5			
Pump motor	kW	35		35+11		35+20		35+20			
Heating capacity	kW	14	16.5	22	24.85	16.5	22	24.85	22.6	30	
Number of temp control zones				5		5		5			
<b>GENERAL UNIT</b>											
Dry cycle time	s	1.8		1.8		2.0		2.2			
Oil tank capacity	l	500		570		650		800			
Machine dimensions (LxWxH)	mxm	6x1.8x1.9		6.4x1.91x2.18		6.9x2.05x2.2		7.5x2.2x2.4			
Machine weight	Ton	7.5		11		12.5		15			

■ Note: We reserve the right to make changes or improvements of the product without prior notice.  
The product photos in this catalog are for reference only.

Stock Code: 300415

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Designed by Yizumi in March 2018

# PAC

## High-speed Injection Molding Machine

(200T-350T)

Thin-wall Injection Molding System Solution



## About Us



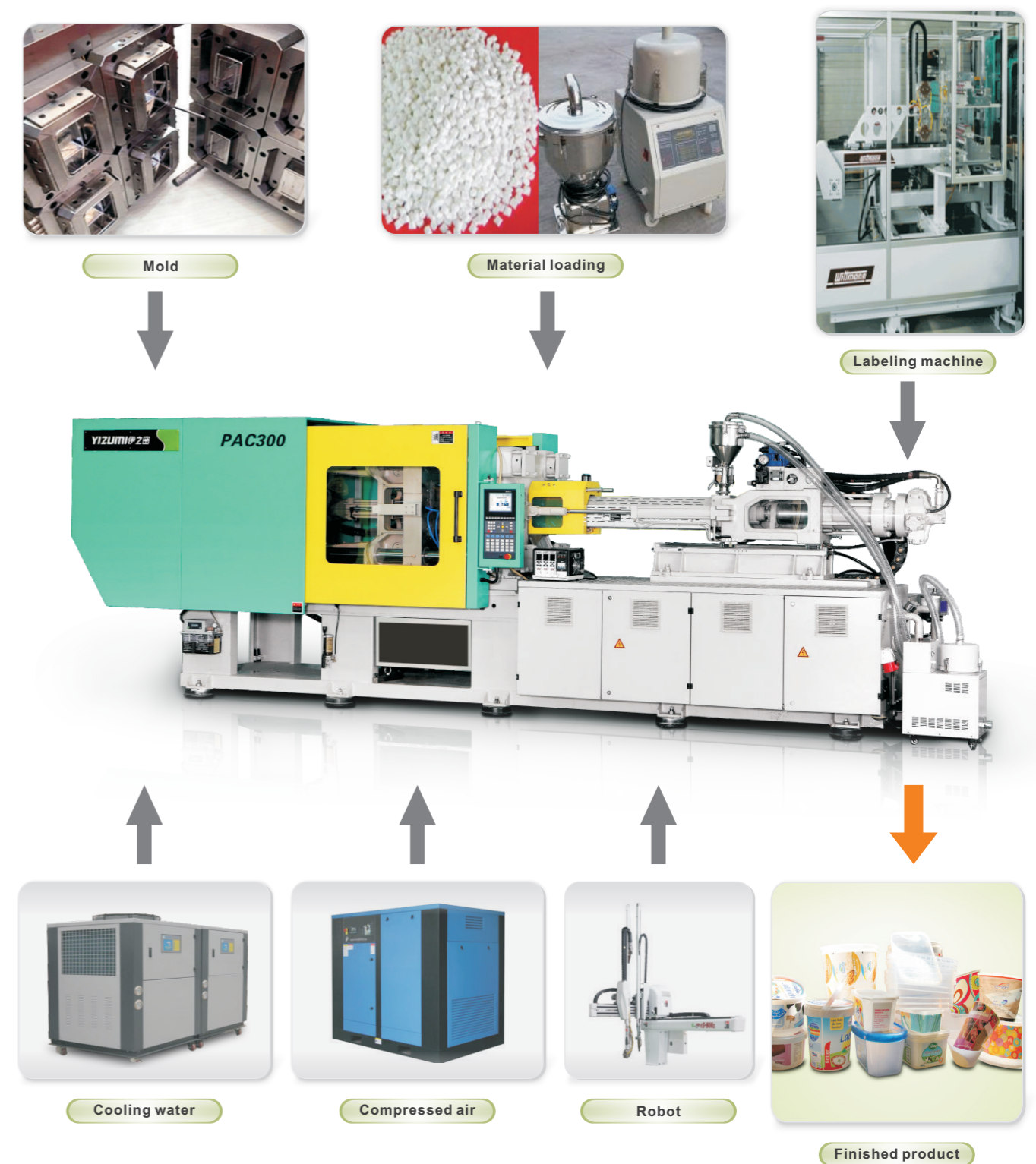
Located in National Hi-tech Industrial Zone in Shunde, Guangdong Yizumi High Speed Packaging System Company Limited is established to cope with the world's growing demands for high-speed packaging equipment. With strong financial base, large company size and elites in R&D, design, manufacturing, service and marketing, we pursue the mission of "Facilitate Chinese machine technology keeping pace with the world and provide global customers with better investment return and experience".

We offer high-speed injection molding turnkey systems for thin-wall plastic packaging products such as food containers, IML ice cream containers, IML buckets and IML packaging containers.

We have a team of innovative R&D elites, highly-efficient management, cutting-edge machining equipment and complete constant-temperature dust-free production lines. Innovation, the spirit of working earnestly and years of experience in machine manufacturing also ensure outstanding quality and performance of our products. Our technology emphasizes the concept of "highly-efficient, precise, economical, reliable, energy-saving and environment-friendly" and leads the trend in packaging.

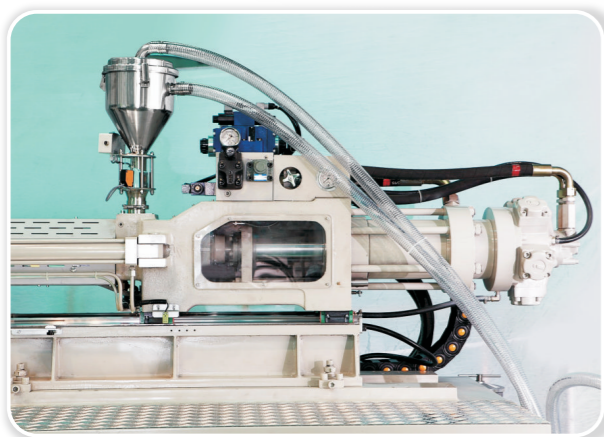
Since establishment, we have always aimed to meet the current and latent needs of every customer, offer turnkey solutions for customers and serve them sincerely. The greatest significance of our job is to create the maximum value and provide the best investment return for customers. In addition, we are committed to establishing the best service system in the industry and consistently endeavor to provide speedy and accurate services for customers worldwide and increase their competitiveness.

## Technical Diagram of Thin-wall Injection Molding System

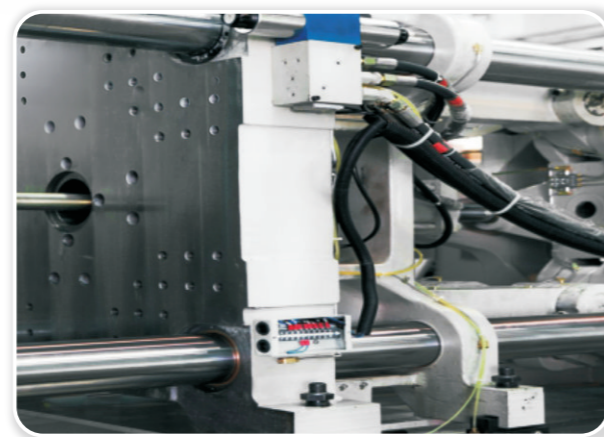




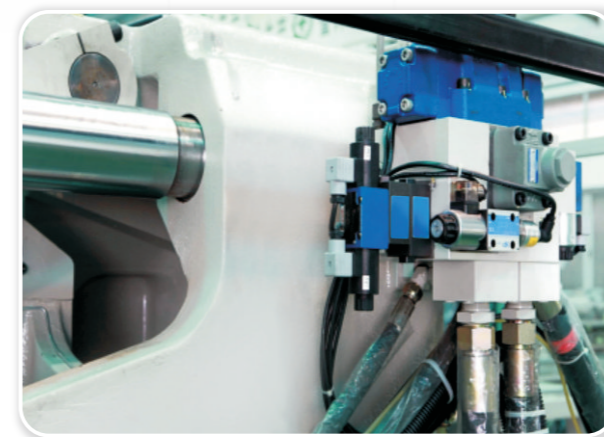
# Thin Wall Injection Molding Machine



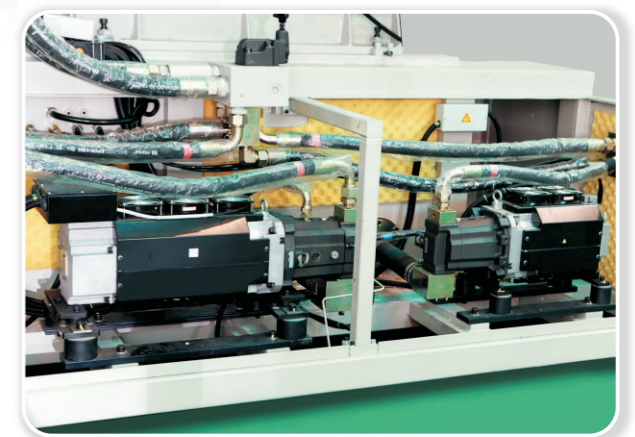
Single-cylinder injection system for high precision



Durable high-rigidity clamping unit



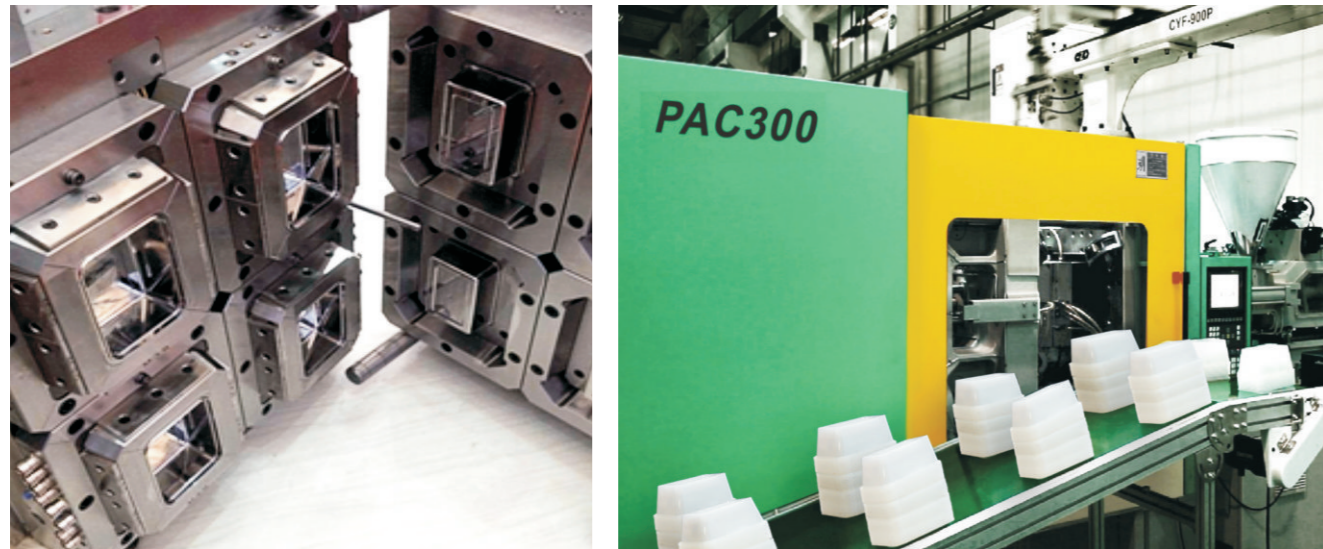
High-response hydraulic system



High-efficiency energy-saving servo system



# Application Example of Thin Wall Injection Molding System



## Machine: PAC300

**Mold:** 4-cavity 1000ml fast food container mold

**Part weight:** 17.5 g

**Wall thickness:** 0.35 mm

**Cycle time:** 5.8 s

**Auxiliary equipment:** robot and temperature controller



## Comparison of Actual Energy Consumption

Model	PAC300 (with servo system)	330T of other brand (with accumulator for injection)
Actual power consumption per hour (kw.h)	22	33
Cycle time (sec)	5.8	6.3
Power consumption per kilogram of material (kw.h / kg)	0.506	0.932

## Platen Dimension Drawings

