

## Specifications of PET48S-ECO/PET72S-ECO Injection Molding Machine

Model		PET48S-ECO	PET72S-ECO
<b>INJECTION UNIT</b>			
Shot volume	cm <sup>3</sup>	2098	2590
Shot weight (PET)	g	2370	2930
Screw diameter	mm	90	100
Injection pressure	MPa	128	104
Screw L:D ratio	L/D	25:1	25:1
Screw stroke	mm	330	370
Screw speed	r/min	0-85	0-85
<b>CLAMPING UNIT</b>			
Clamping force	kN	3000	3800
Opening stroke	mm	700	780
Space between tie bars (min.-max.)	mmxmm	660x760	800x850
Max. daylight	mm	1450	1530
Mold thickness	mm	350-750	400-820
Ejector stroke	mm	180	200
Ejector force	kN	180	180
<b>GENERAL</b>			
Hydraulic system pressure	MPa	17.5	17.5
Oil pump motor	kW	63	55+33.9
Plasticizing motor	kW	60	60
Heating power	kW	59	67
Number of temperature control zones	Zones	7	7
Oil tank capacity	L	450	550
Machine dimensions (LxWxH)	mxmxm	8.8x1.7x2.5	9.5x2x2.7
Machine weight	T	20.5	24

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

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#### [DISCLAIMER]

- [1] YIZUMI reserves the right to modify the product description in the catalogue. Specification might be changed without prior notice.
  - [2] The picture in the catalogue is for reference only. The real object should be considered as final.
  - [3] The data in the catalogue is obtained from internal testing in YIZUMI laboratory.
- Please refer to the actual machine for the final data. YIZUMI reserves the right of final interpretation upon disputes and ambiguities.



Designed by YIZUMI, March 2023

## PET-ECO PET48S-ECO/PET72S-ECO

HIGH SPEED PREFORM INJECTION MOLDING SYSTEM



# PET48S-ECO/PET72S-ECO High Speed Preform Injection Molding System

Reduce Unnecessary Costs for Competitive Advantages

## Turnkey service

Yizumi provides tailor-made turnkey solutions for fast injection molding of PET packaging, including beverage bottles, oil bottles, food containers, daily necessities and medical products.



## High rigidity

According to the characteristics of PET product, enhanced platen design is adopted. Injection unit structure is optimized to reduce internal stress and improve unit rigidity by finite element analysis, realizing fast and fluent mold opening and closing.

## High efficiency

Plasticizing servo motor realizes electric synchronized plasticizing by high-quality gear deceleration box, with shorter cycle time.

## Large shot weight

Large screw and barrel component ensures sufficient injection volume, maximum plasticizing volume up to 3,971 g.

## High response

High-end controller effectively improves and overlaps the response time of each movement. The program scan time is only 1ms.

