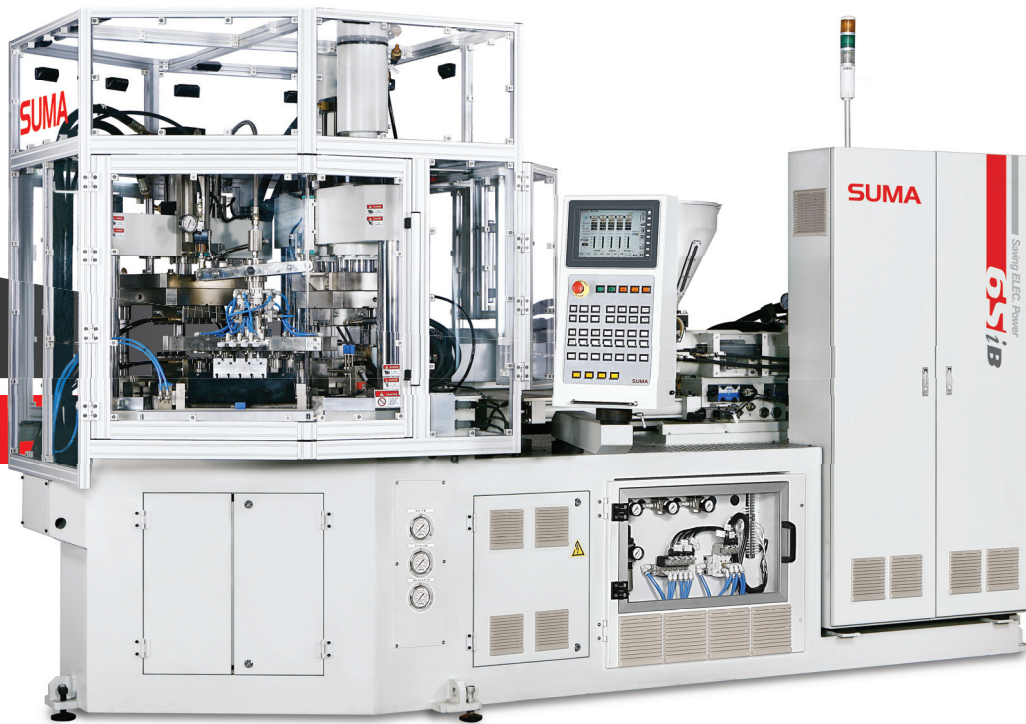




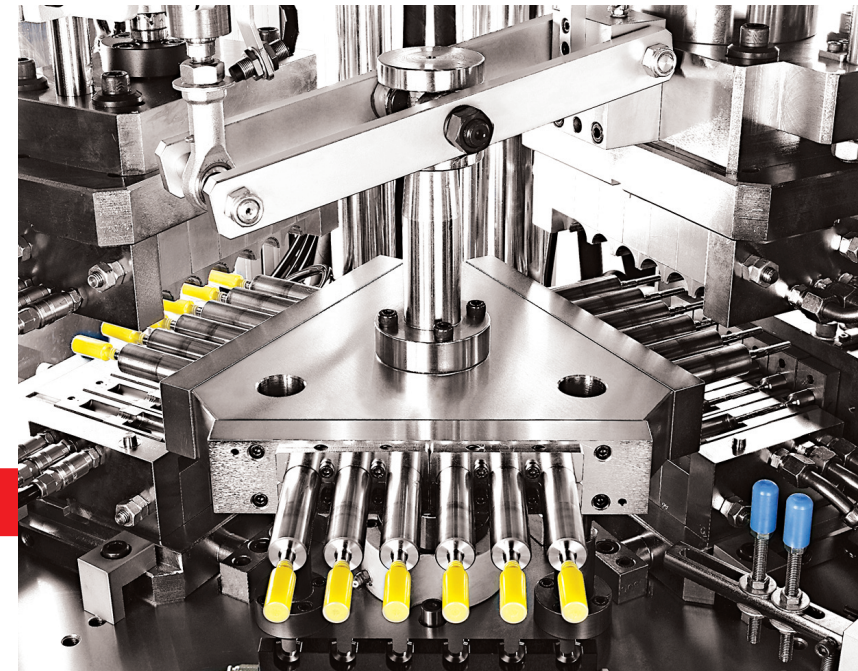
# Injection Blow Molding Machinery **3-station**

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## Injection Blow Molding Machinery

# 3-station



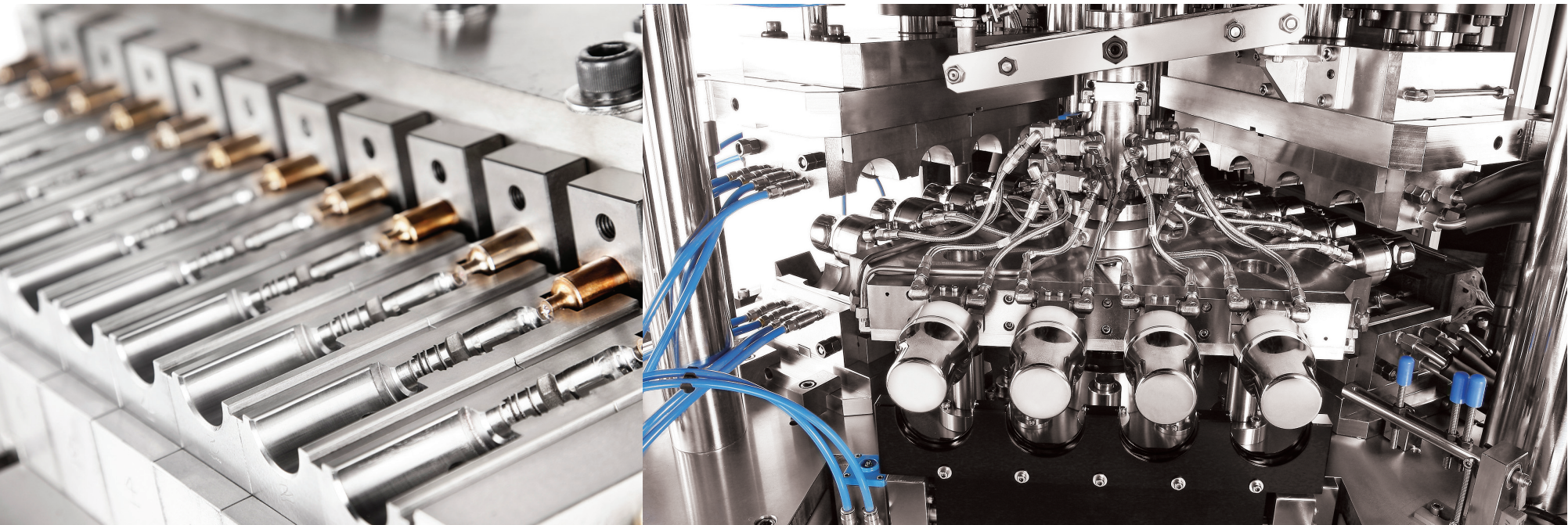
# SUMA

We are the specialized manufacturer of one-step Injection Blow Molding Machine. We provide customer-made machine according customer's requirements.

Our machine are available for many plastic materials (PP, PE, PS, etc), and also PET/PETG-capable with sophisticated technology.

It is suitable for making bottles from 3ml to 500ml on many applications of cosmetics, pharmacy, personal care, household, and beverage and so on.

Professional manufacture and kindly service is the best choice for you to create productivity and profits.



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We provide professional mold design, manufacture and testing, the quality and precision are guaranteed.

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- The material of mold is made of stainless steel to prevent the pollution of rustiness and corrosion.
- The properties of mold are high hardness, high strength, high wear resistance and tough to extend the durability of mold.
- Each cavity of mold is individual means easier to modify or dismantle for production and mold adjustment.
- Suitable for producing the bottle neck diameter from 6mm to 70mm.
- Position device of mold and mold base makes assembly faster and locate precisely.
- Mold change can be finished within 3 hours.

## FEATURES

- Energy Saving System saving 50%~70% electricity.
- Automatic producing and no need to deflashing and trimming.
- Unity-forming without seam.
- Stable operation and low noise.
- Aluminum frame makes easier to observe and maintenance which also shows neat and modernize.
- The touch screen with graphical interface is easy-to-learn for user.
- Holding pressure free programmable in 6 steps. And 10 steps for each of injection and plasticizing.
- Real values of time, speed and pressure of injection and plasticizing can be monitoring and control by terminal.
- Automatic failure detect and showing the abnormal message on touch screen.
- Injection mold, blow mold, injection and plasticizing can be separately controlled, so shorter cycle time by rapidly processing.

## PRODUCING PROCESS

### Station 1

The material is injected into the preform cavities by injector and forming a parison with precise neck section.

### Station 2

The triangle transfers the parisons to this step, the blowing, by rotates 120 degrees. Here, the parisons are blowing to form a container.

### Station 3

The triangle rotates again and transfer the shaped bottle to this step, stripping. The bottles are stripped by stripper and ejector to finish a cycle.

Saving ELEC. Power

MECHANICAL SPECIFICATION

**40/65/85/135/175 iB**

SUMA		40 iB	65 iB		85 iB		135 iB		175 iB	
Screw diameter	mm	40	40	50	50	60	65	76	65	76
Injection volume	cm³ / shot	169	169	264	333	480	580	770	580	770
Injection stroke	mm	140	140	140	180	180	180	180	180	180
Plasticizing rate	cm³ / s	18	18	30	30	50	60	75	60	75
Screw L/D ratio	-	22	22		22		22		22	
Preform clamp	kN	386	580		720		1200		1600	
Blow mold clamp	kN	58	130		160		260		300	
Press stroke	mm	120	130		140		152		152	
Max. Die. set	mm	470 × 350	620 × 400		700 × 400		1000 × 500		1200 × 600	
Trigger bar	mm	360	475		600		920		1220	
Dry cycle time	sec	3	3		3		3.5		3.5	
Oil tank capacity	ℓ	160	160		160		250		250	
Air consumption	ℓ / min	280	500		700		900		1100	
Power supply	kW	32	40		46		53		65	
L x W x H	m	3.8 x 1.5 x 2.3	4 x 1.7 x 2.3		4.5 x 2 x 2.6		5 x 2.4 x 2.7		6 x 2.6 x 2.7	
Total weight	ton	4.7	7		8.5		12		14	

**SUMA**  
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