

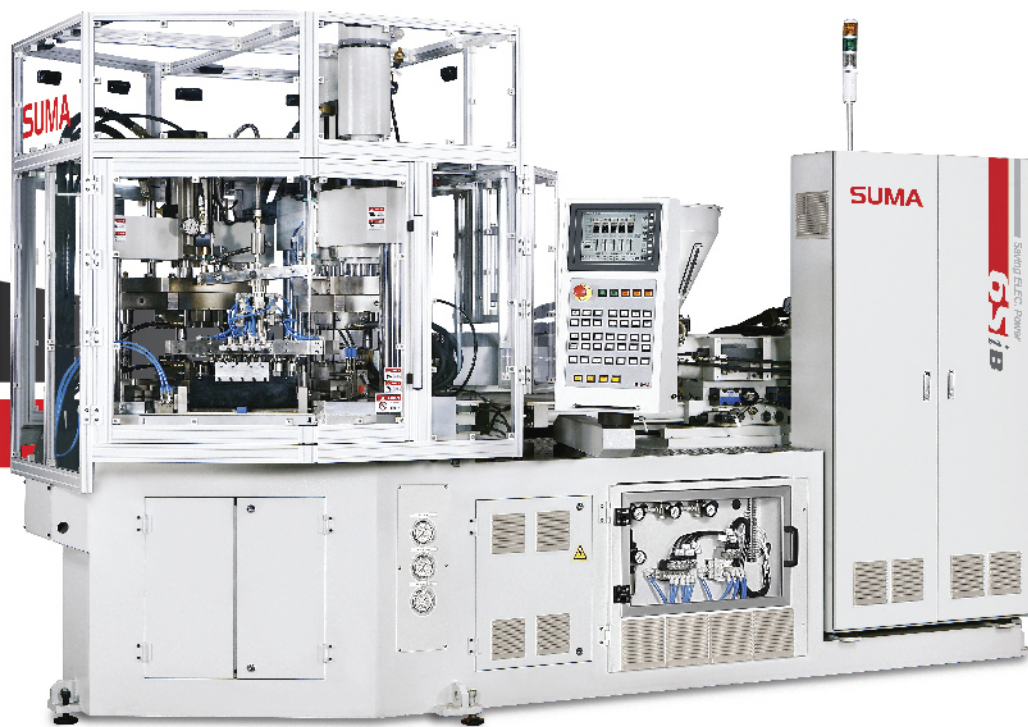


**SUMA**  
PLASTIC MACHINERY



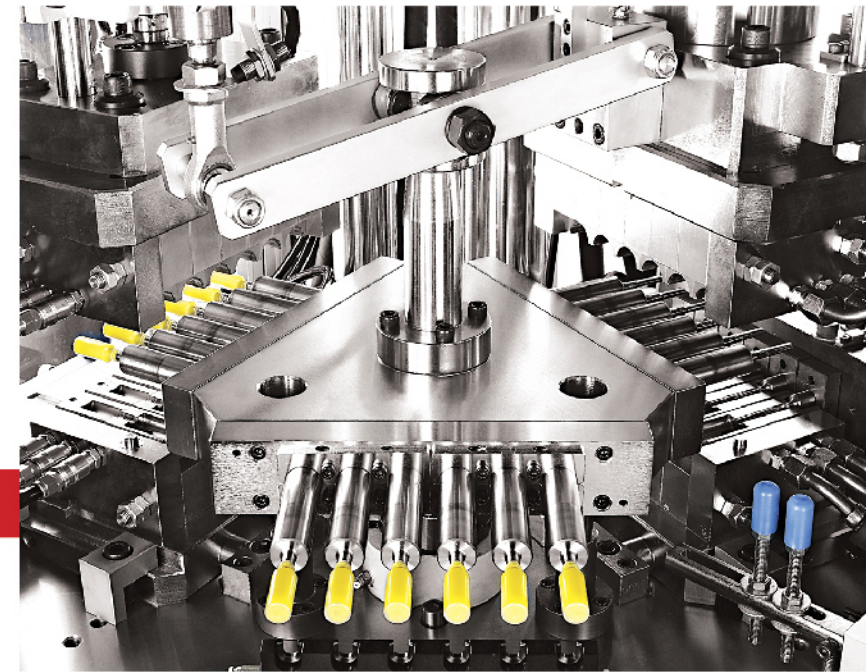
Injection Blow Molding Machinery **3-station**

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## Injection Blow Molding Machinery

# 3-station



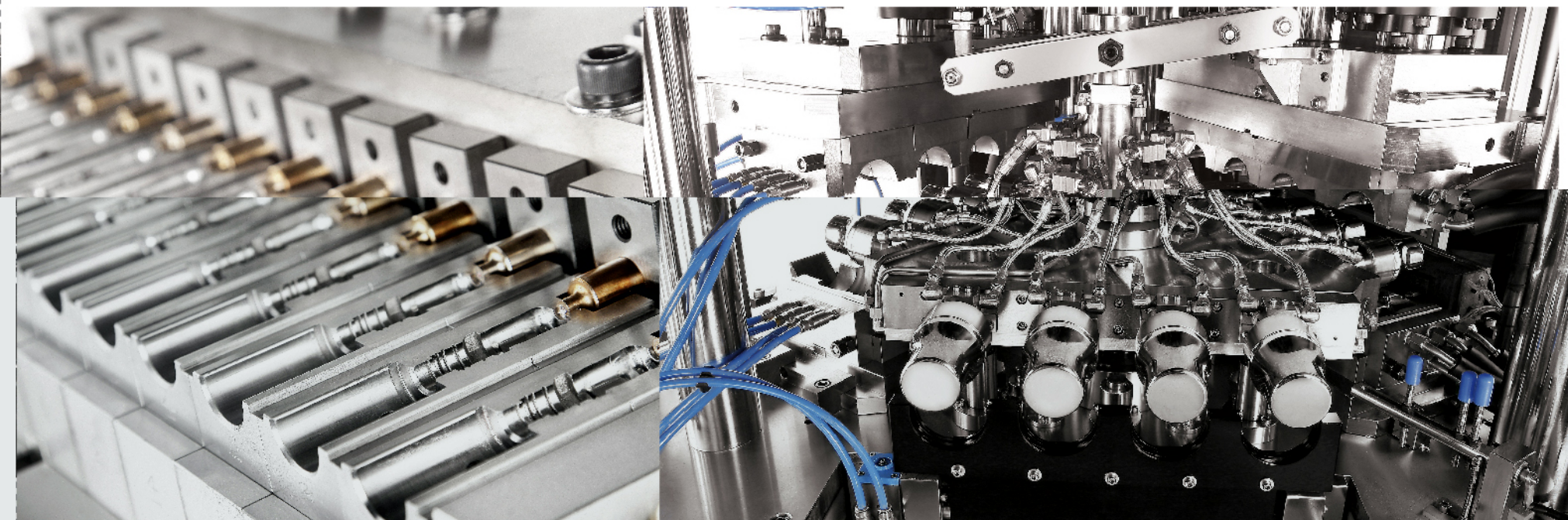
# SUMA

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

# 40/65/85/125 iB

| SUMA              |                        | 40 iB           | 65 iB         | 85 iB         | 125 iB        |
|-------------------|------------------------|-----------------|---------------|---------------|---------------|
| Screw diameter    | mm                     | 40              | 50            | 60            | 65            |
| Injection volume  | cm <sup>3</sup> / shot | 169             | 264           | 495           | 580           |
| Injection stroke  | mm                     | 140             | 140           | 180           | 180           |
| Plasticizing rate | cm <sup>3</sup> / s    | 18              | 30            | 50            | 60            |
| Screw L/D ratio   | -                      | 22              | 22            | 22            | 22            |
| Preform clamp     | kN                     | 386             | 580           | 720           | 1060          |
| Blow mold clamp   | kN                     | 58              | 130           | 160           | 190           |
| Press stroke      | mm                     | 120             | 130           | 140           | 152           |
| Max. Die. set     | mm                     | 470 × 350       | 620 × 400     | 700 × 400     | 900 × 400     |
| Trigger bar       | mm                     | 360             | 475           | 600           | 740           |
| Dry cycle time    | sec                    | 3               | 3             | 3             | 3.5           |
| Oil tank capacity | ℓ                      | 160             | 160           | 160           | 200           |
| Air consumption   | ℓ / min                | 280             | 500           | 700           | 900           |
| Power supply      | kW                     | 32              | 40            | 46            | 53            |
| 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 |
| Total weight      | ton                    | 4.7             | 7             | 8.5           | 10            |

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塑懋機械有限公司

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