

Product-customized Filling Machine

Filling Machine Selection Table

	Common filling			Super-clean filling			Comdiment filling	Daily chemicals filling	Oil product filling
	Water filling	Gas filling	Beverage hot filling	Cold chain filling	Normal temperature filling	Moderate temperature filling			
Applicable products	Small bottle-filled water of 5L or less ...	Coke cola Sprite Soda water Flavored water ...	Fruit and vegetable juice Tea beverage Milk beverage Energy drink Vegetable proteins ...	Fresh milk Sour milk Fresh fruit juice Lactobacillus drink ...	Flavored water Fruit and vegetable juice Tea beverage Milk beverage Lactic acid drink Fruit juice ...	Fruit and vegetable juice Tea beverage Milk beverage Energy drink ...	Soy sauce Cooking wine Vinegar Sauce ...	Shampoo Laundry detergent Disinfectant Mouth rinse ...	Edible oil Lubricating oil ...
Filling modes	Mechanical valve filling Flowmeter filling ...	Mechanical valve filling Flowmeter filling ...	Mechanical valve filling Flowmeter filling Weighing filling ...	Mechanical valve filling Flowmeter filling Weighing filling ...	Mechanical valve filling Flowmeter filling Weighing filling ...	Mechanical valve filling Flowmeter filling Weighing filling ...	Mechanical valve filling Flowmeter filling Weighing filling ...	Mechanical valve filling Flowmeter filling Weighing filling ...	Flowmeter filling Weighing filling ...



Diversified packaging container and strong machine model applicability

- ◆Different materials: PET bottle, glass bottle, HDPE bottle
- ◆Different bottle models: square bottle, round bottle, wide-necked bottle



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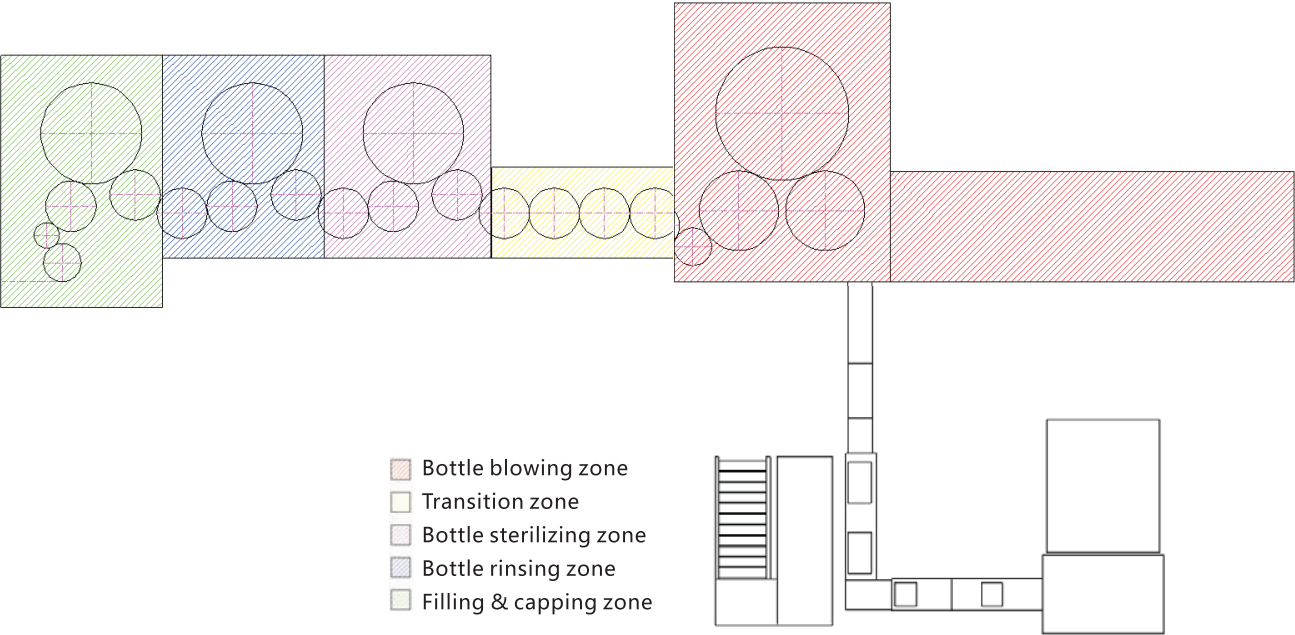
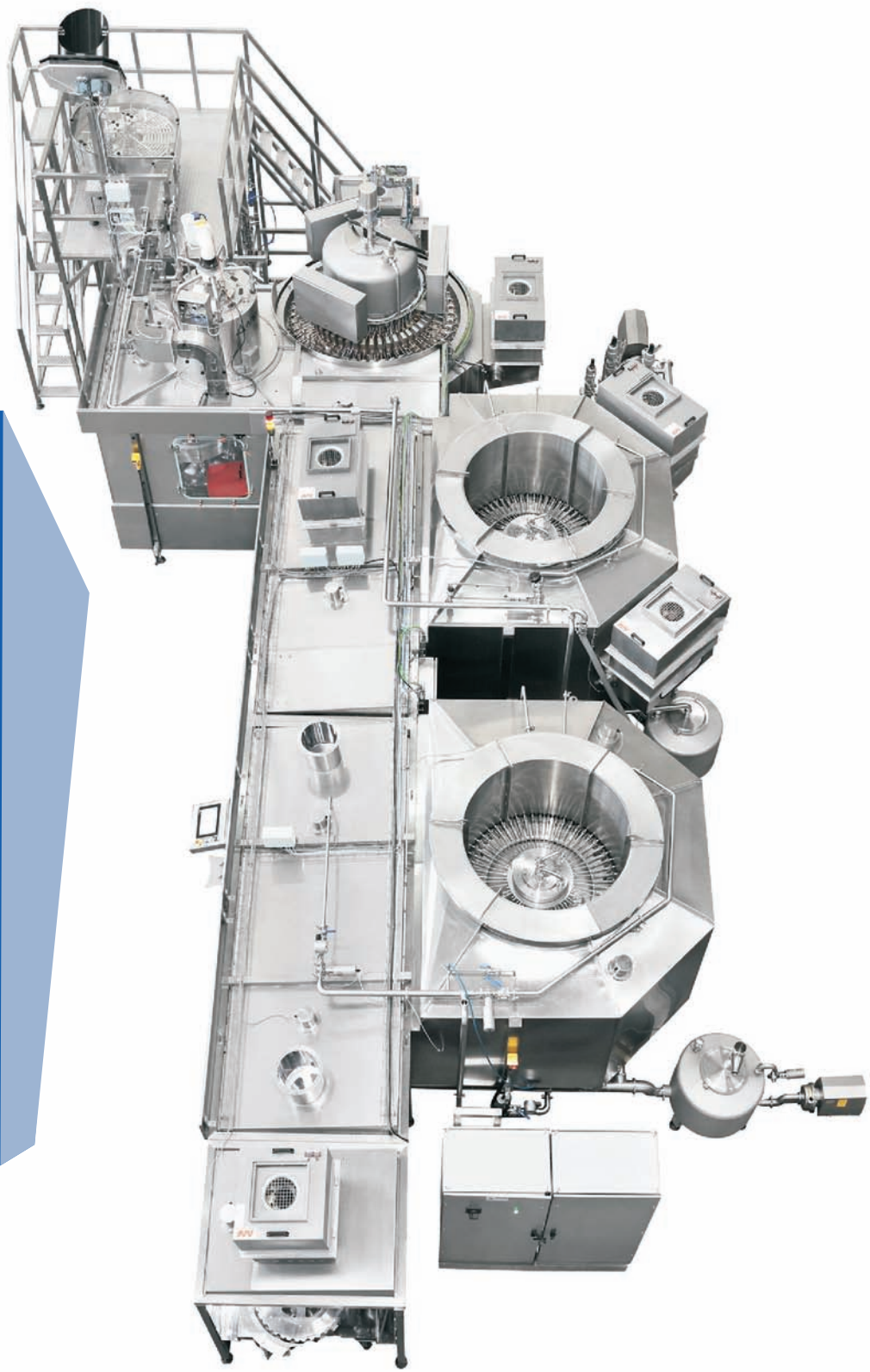
Filling Production Solution  
Individualized Filling •Similar Ease



Super-clean Filling Equipment

Super-clean filling equipment is a high price/performance ratio filling device customized according to different products, applying aseptic filling technology and technological characteristics as well as traditional filling technology. It is able to directly produce production costs, improves product quality and market competitive power. Super-clean filling is the current leading filling technology in China, with main advantages and features are as follows:

- 1. Level-100 clean environment filling prevents products from pollution;
- 2. The filling temperature is lower than that of hot filling to reduce the heat exposure temperature of products and prevent product taste and nutritious flavor from loss;
- 3. Low product heat exposure temperature and short sterilizing time can reduce the energy consumption;
- 4. Non-contact filling ensures there is no residue at bottleneck;
- 5. Low heat resistance requirements for packaging container and diversified & light-weight bottle design can reduce the packing material cost;
- 6. Simple operation, easy maintenance and high reliability;
- 7. Modular design of the whole machine can make it connected with a bottle blowing machine to form a blowing-filling-capping combined machine;
- 8. The blowing-filling-capping combined machine covers a smaller floor area and reduces production operators.



Schematic Diagram of Blowing, Filling and Capping Supper-clean Machine

<ul style="list-style-type: none"><li>■ Jetting cleaning and disinfection for bottle interior</li><li>■ Simple and easily-cleaning machine design</li></ul>	<ul style="list-style-type: none"><li>■ Multi-nozzle cross jetting cleaning and disinfection for bottle exterior</li></ul>
<ul style="list-style-type: none"><li>■ Filling valve without cleaning dead corner</li><li>■ Automatic false cup installation</li></ul>	<ul style="list-style-type: none"><li>■ Flowmeter-quantitative filling</li><li>■ Diaphragm valve control switch</li></ul>
<ul style="list-style-type: none"><li>■ Imported aseptic capping machine, with easy cleaning and high capping efficiency</li></ul>	<ul style="list-style-type: none"><li>■ The main distributor is sealed by PTFE material, which is featured by ceramic coating, temperature tolerance, acid and alkali resistance, uneasy abrasion</li><li>■ Material of interior stainless pipeline is 316L</li></ul>
<ul style="list-style-type: none"><li>■ Inclined floor is accumulated with no water and easily cleaned.</li><li>■ Star wheel clamp drive bottle requires no bottle-shaped member replaced</li></ul>	<ul style="list-style-type: none"><li>■ Operating gloves can eliminate failures and effectively protect the interior environment</li><li>■ Special device supporting gloves guarantee reliable cleaning</li></ul>

Other Conventional Filling Equipment

- Water Filling Machine**
- Freely-combined blowing-filling-capping machine or cleaning-filling-sealing combined machine
  - Gravity filling is adopted and mechanical value or flowmeter is used for quantification
  - Bottle clamping tray is adopted for conveying bottles to move smoothly and reliably
  - Magnetic capping and mechanical cam control
  - Stainless materials contacting with products are all 316L



- Gas Filling Machine**
- Three-in-one machine combined with rinsing, filling and capping
  - Isopestic gravity filling, mechanical valve or flowmeter quantification
  - A flowmeter is used for filling in order for high precision and less air bubbles
  - As for mechanical valve filling, bottle rising and falling are controlled by mechanical cam
  - Stainless materials contacting with products are all 316L



- Hot Filling Machine**
- Freely-combined blowing-filling-capping machine or cleaning-filling-sealing combined machine
  - Gravity filling is adopted and mechanical valve or flowmeter is used for quantification
  - Bottle clamping tray is used for conveying bottles to move smoothly and reliably
  - Magnetic capping and mechanical cam control
  - A flowmeter is adopted for filling, during which there is no backflow available



- Condiment Filling Machine**
- Independent machine or filling-capping (pressing)-capping combined machine can be adopted
  - Multiple filling modes, such as weighing, flowmeter, mechanical valve, etc
  - Negative micro-pressure is adopted in the case of mechanical valve to prevent from bubbling and dripping
  - Glass bottle or PET bottle is applicable
  - Bottleneck is clamped or bottle bottom is supported when conveying bottles
  - Ceramic-coated distributor is adopted to prevent from corrosion
  - Stainless materials contacting with products are all 316L



- Oil Filling Machine**
- Independent machine or filling-capping (pressing) combined machine can be adopted
  - Weighing gravity filling is adopted in order for high precision and no bottleneck pollution
  - Dripping-resistant filling valve
  - Glass bottle or PET bottle is applicable
  - Bottleneck is clamped or bottle bottom is supported when conveying bottles
  - Ceramic-coated distributor is adopted to prevent from corrosion
  - Stainless materials contacting with products are all 316L



Technical Characteristics