

PRODUCT SELECTION DOCUMENT

# Anti-corrosion Filling Machine

## Engineering Datasheet

For overseas buyers, plant engineers and project teams evaluating a standalone machine or an integrated filling, capping and labeling line.

|              |                                                                 |         |      |
|--------------|-----------------------------------------------------------------|---------|------|
| Manufacturer | Guangdong New Zhen Xiang Smart Equipment Co., Ltd.<br>(ZXSMART) | Founded | 1998 |
|--------------|-----------------------------------------------------------------|---------|------|

### Configuration range

Published values are configuration references from ZXSMART product parameter records. Final values depend on the actual product, container, closure, label, target output and factory utilities.

#### Anti-corrosion Filling Machine

|                    |                                                    |                         |                                          |
|--------------------|----------------------------------------------------|-------------------------|------------------------------------------|
| Industries         | daily chemical and cleaning, agriculture, chemical | Products                | disinfectant, cleaning liquid, pesticide |
| Automation         | Fully automatic                                    | Speed at 500 mL         | 5-10 Bottles/Min                         |
| Bottle volume      | 50-30000 mL                                        | Machine material        | 304 stainless steel                      |
| Contact material   | 316 stainless steel, PTFE                          | Standard voltage        | 380V                                     |
| Power              | 1.5 kW                                             | Air pressure            | 0.6-0.8 MPa                              |
| Machine dimensions | 1000 x 1200 x 2800                                 | Customization           | Yes                                      |
| Suitable material  | disinfectant, cleaning liquid, pesticide           | Filling range           | 50-30000 mL                              |
| Filling heads      | 1                                                  | Filling speed at 500 mL | 5-10 Bottles/Min                         |
| Filling accuracy   | ±1%                                                | Filling method          | gear-pump filling/gravity filling        |

## 2-Head Anti-corrosion Filling Machine

|                    |                                                    |                         |                                          |
|--------------------|----------------------------------------------------|-------------------------|------------------------------------------|
| Industries         | daily chemical and cleaning, agriculture, chemical | Products                | disinfectant, cleaning liquid, pesticide |
| Automation         | Fully automatic                                    | Speed at 500 mL         | 15-20 Bottles/Min                        |
| Bottle volume      | 50-30000 mL                                        | Machine material        | 304 stainless steel                      |
| Contact material   | 316 stainless steel, PTFE                          | Standard voltage        | 380V                                     |
| Power              | 3 kW                                               | Air pressure            | 0.6-0.8 MPa                              |
| Machine dimensions | 1200 x 1200 x 2800                                 | Customization           | Yes                                      |
| Suitable material  | disinfectant, cleaning liquid, pesticide           | Filling range           | 50-30000 mL                              |
| Filling heads      | 2                                                  | Filling speed at 500 mL | 15-20 Bottles/Min                        |
| Filling accuracy   | ±1%                                                | Filling method          | gear-pump filling/gravity filling        |

## 4-Head Anti-corrosion Filling Machine

|                    |                                                    |                         |                                          |
|--------------------|----------------------------------------------------|-------------------------|------------------------------------------|
| Industries         | daily chemical and cleaning, agriculture, chemical | Products                | disinfectant, cleaning liquid, pesticide |
| Automation         | Fully automatic                                    | Speed at 500 mL         | 20-25 Bottles/Min                        |
| Bottle volume      | 50-30000 mL                                        | Machine material        | 304 stainless steel                      |
| Contact material   | 316 stainless steel, PTFE                          | Standard voltage        | 380V                                     |
| Power              | 4.5 kW                                             | Air pressure            | 0.6-0.8 MPa                              |
| Machine dimensions | 1400 x 1200 x 2800                                 | Customization           | Yes                                      |
| Suitable material  | disinfectant, cleaning liquid, pesticide           | Filling range           | 50-30000 mL                              |
| Filling heads      | 4                                                  | Filling speed at 500 mL | 20-25 Bottles/Min                        |
| Filling accuracy   | ±1%                                                | Filling method          | gear-pump filling/gravity filling        |

**6-Head Anti-corrosion Filling Machine**

|                    |                                                    |                         |                                          |
|--------------------|----------------------------------------------------|-------------------------|------------------------------------------|
| Industries         | daily chemical and cleaning, agriculture, chemical | Products                | disinfectant, cleaning liquid, pesticide |
| Automation         | Fully automatic                                    | Speed at 500 mL         | 30-35 Bottles/Min                        |
| Bottle volume      | 50-30000 mL                                        | Machine material        | 304 stainless steel                      |
| Contact material   | 316 stainless steel, PTFE                          | Standard voltage        | 380V                                     |
| Power              | 6 kW                                               | Air pressure            | 0.6-0.8 MPa                              |
| Machine dimensions | 1600 x 1200 x 2800                                 | Customization           | Yes                                      |
| Suitable material  | disinfectant, cleaning liquid, pesticide           | Filling range           | 50-30000 mL                              |
| Filling heads      | 6                                                  | Filling speed at 500 mL | 30-35 Bottles/Min                        |
| Filling accuracy   | ±1%                                                | Filling method          | gear-pump filling/gravity filling        |

**8-Head Anti-corrosion Filling Machine**

|                    |                                                    |                         |                                          |
|--------------------|----------------------------------------------------|-------------------------|------------------------------------------|
| Industries         | daily chemical and cleaning, agriculture, chemical | Products                | disinfectant, cleaning liquid, pesticide |
| Automation         | Fully automatic                                    | Speed at 500 mL         | 35-40 Bottles/Min                        |
| Bottle volume      | 50-30000 mL                                        | Machine material        | 304 stainless steel                      |
| Contact material   | 316 stainless steel, PTFE                          | Standard voltage        | 380V                                     |
| Power              | 7.5 kW                                             | Air pressure            | 0.6-0.8 MPa                              |
| Machine dimensions | 1800 x 1200 x 2800                                 | Customization           | Yes                                      |
| Suitable material  | disinfectant, cleaning liquid, pesticide           | Filling range           | 50-30000 mL                              |
| Filling heads      | 8                                                  | Filling speed at 500 mL | 35-40 Bottles/Min                        |
| Filling accuracy   | ±1%                                                | Filling method          | gear-pump filling/gravity filling        |

## 10-Head Anti-corrosion Filling Machine

|                    |                                                                       |                         |                                   |
|--------------------|-----------------------------------------------------------------------|-------------------------|-----------------------------------|
| Industries         | food and beverage, daily chemical and personal care, alcohol products | Products                | liquid, emulsion, cream and paste |
| Automation         | Fully automatic                                                       | Speed at 500 mL         | 45-50 Bottles/Min                 |
| Bottle volume      | 50-30000 mL                                                           | Machine material        | 304 stainless steel               |
| Contact material   | 316 stainless steel, PTFE                                             | Standard voltage        | 380V                              |
| Power              | 9 kW                                                                  | Air pressure            | 0.6-0.8 MPa                       |
| Machine dimensions | 2300 x 1200 x 2800                                                    | Customization           | Yes                               |
| Suitable material  | disinfectant, cleaning liquid, pesticide                              | Filling range           | 50-30000 mL                       |
| Filling heads      | 10                                                                    | Filling speed at 500 mL | 45-50 Bottles/Min                 |
| Filling accuracy   | ±1%                                                                   | Filling method          | gear-pump filling/gravity filling |

## Information required for final selection

|                 |                                                                                           |            |                                                                                                  |
|-----------------|-------------------------------------------------------------------------------------------|------------|--------------------------------------------------------------------------------------------------|
| Product         | Name, viscosity or flow behavior, temperature, foaming tendency and corrosiveness         | Container  | Bottle or jar drawings, dimensions, material, neck finish and sample quantity                    |
| Closure / label | Cap or pump sample, torque requirement, label drawing, roll direction and coding content  | Output     | Target bottles per minute, filling volume range, shift pattern and upstream/downstream equipment |
| Factory         | Power supply, compressed-air conditions, available footprint and preferred line direction | Acceptance | Agreed test product, speed target, inspection points and handover documents                      |

## Factory acceptance and handover

ZXSMART can run the agreed bottle, cap, label and product samples before shipment. The acceptance scope should record the test material, operating settings, speed basis, changeover method, cleaning method and agreed inspection points. Remote review is available before dispatch.

## Confirmed service support

|                      |                                   |                       |                                                                   |
|----------------------|-----------------------------------|-----------------------|-------------------------------------------------------------------|
| Warranty             | 1 year                            | Online response       | Within 2 hours                                                    |
| Remote commissioning | Available                         | Overseas installation | Available; engineer visa and travel are covered by ZXSMART        |
| Common spare parts   | Normally dispatched within 7 days | Documentation         | English manual, electrical diagram and pneumatic diagram provided |
| PLC backup           | Provided                          | Training              | Operation training provided                                       |
| Lifecycle parts      | Continued supply available        |                       |                                                                   |