

## *Automatic 8-wheels Capping Machine with Cap Feeder*



Automatic 8-Wheel Spindle Capping Machine with an Automatic Cap Feeder is designed for high-speed, reliable, and consistent capping of bottles and containers with screw caps. This machine is commonly used in industries such as pharmaceuticals, cosmetics, food, and chemicals, where efficiency and precision in capping are crucial.

### **Description:**

#### 8-Wheel Spindle Capping Mechanism:

This machine uses an 8-wheel spindle (or friction wheel) system for capping. The 8 wheels apply consistent pressure on the caps, securing them onto the bottles with even torque.

The 8-wheel system provides increased grip and precision, allowing for fast and stable cap tightening, suitable for high-speed production lines.

#### Automatic Cap Feeding System:

Equipped with an automatic cap feeder or elevator, this system ensures a steady and continuous supply of caps to the capping head.

Caps are sorted, oriented, and fed down a chute where they are positioned on the bottles. This process reduces manual labor and increases productivity.

#### Adjustable Capping Torque:

The torque settings can be easily adjusted to control the tightness of the cap, which is essential for products that require specific sealing requirements.

The adjustable torque ensures that caps are applied securely without damaging the container or cap, making it versatile for various cap sizes and types.

#### Conveyor System:

An integrated conveyor moves bottles steadily through the capping area, aligning each bottle for precise cap placement and tightening.

The conveyor speed is often adjustable, allowing synchronization with other production line equipment.

#### Versatile for Different Cap and Bottle Sizes:

This machine can handle a wide range of bottle shapes and cap sizes due to the flexibility of the spindle wheels. It's ideal for use with plastic, glass, or metal bottles and caps of different diameters and heights.

Quick-change parts enable fast setup when switching between product types, improving production line efficiency.

#### User-Friendly Control Panel:

The machine typically features a touchscreen control panel for easy operation. Operators can adjust parameters such as conveyor speed, capping speed, and torque settings.

The interface may also display production count, maintenance alerts, and error messages for efficient monitoring and control.

#### Durable Stainless Steel Construction:

Built with stainless steel and other corrosion-resistant materials, the machine is durable, easy to clean, and meets industry hygiene standards, making it suitable for food and pharmaceutical applications.

### Parameter

|                          |                                 |
|--------------------------|---------------------------------|
| Capping type:            | Eight rubber wheels for capping |
| Applicable cap type:     | Flat screw cap                  |
| Applicable cap diameter: | 30-100mm                        |
| Capping speed:           | 3000-4200 bottles/hour          |
| Power:                   | 3KW                             |
| Voltage:                 | 220V/50Hz                       |
| Working air pressure:    | 0.6-0.7Mpa                      |
| Air consumption:         | 2-3m <sup>3</sup> /min          |
| Machine size:            | 3000x900x2000mm                 |
| Machine weight:          | 350kgs                          |