

# LINEAR UNSCRAMBLER MACHINE



## APPLICATIONS

- Automatic feeding & orientation of plastic bottles
- Smooth supply to filling/capping/labeling
- For PET/HDPE/LDPE bottles in pharma, food, cosmetic, chemical

## TECHNICAL SPECIFICATIONS

- Up to 200 BPM\*
- Dia: 25–90 mm\*, Height: 50–200 mm\*
- Shapes: Round/Square/Custom\*

## FEATURES

- Auto loading & orientation
- Compact, robust, hygienic build
- Fast changeover design
- Optional ionized air cleaning
- No-bottle, no-feed logic
- PLC + HMI controls

# ROTARY UNSCRAMBLER MACHINE



## APPLICATIONS

- High-speed rotary bottle orientation
- Continuous feed to filling/capping/labeling
- For PET/HDPE/LDPE bottles in pharma, food, cosmetic

## TECHNICAL SPECIFICATIONS

- Up to 100 BPM\*
- Dia: 25–90 mm\*, Height: 50–200 mm\*
- Shapes: Round/Custom\*

## FEATURES

- Rotary high-speed orientation
- No-bottle, no-feed
- Smooth transfer, no scratches
- Optional ionized air cleaning
- Quick changeover
- PLC + HMI controls

# BOTTLE INVERTING AIR JET CLEANING MACHINE



## APPLICATIONS

- Internal bottle cleaning with ionized air
- Auto invert–clean–discharge
- For PET/HDPE/LDPE bottles in pharma, food, cosmetic

## FEATURES

- Auto inversion & ionized cleaning
- Dust extraction suction
- Quick adjustment, no-changeover
- No-bottle, no-clean
- Stainless steel hygienic build
- PLC + HMI controls

## TECHNICAL SPECIFICATIONS

- Up to 120 BPM\*
- Dia: 25–90 mm\*, Height: 50–200 mm\*
- Shapes: Round/Square/Custom
- Air: 5–7 kg/cm<sup>2</sup>

# INVERTER TYPE AIR JET CLEANING MACHINE



## APPLICATIONS

- Internal cleaning with individual bottle inverters
- Ionized air cleaning before filling
- For PET/HDPE/LDPE bottles

## FEATURES

- Individual inverter cleaning system
- Ionized air jet + vacuum suction
- No-bottle, no-clean
- Fast size changeover
- GMP stainless steel build
- PLC + HMI controls

## TECHNICAL SPECIFICATIONS

- Up to 150 BPM\*
- Dia: 25–90 mm\*, Height: 50–200 mm\*
- Shapes: Round/Square/Custom
- Air: 5–7 kg/cm<sup>2</sup>

# SEMI-AUTOMATIC BOTTLE WASHING MACHINE



## APPLICATIONS

- Internal & external bottle washing
- Low-medium output, compact system
- For PET/HDPE/LDPE/Glass bottles

## FEATURES

- Semi-auto loading/unloading
- Compact & economical
- Air + water wash cycles
- GMP stainless steel build
- Individual bottle holders

## TECHNICAL SPECIFICATIONS

- Up to 60 BPM\*
- Dia: 25-90 mm\*, Height: 50-200 mm\*
- 2-4 wash cycles
- Air: 5-7 kg/cm<sup>2</sup>, Water: 1-2 kg/cm<sup>2</sup>

# AUTOMATIC ROTARY BOTTLE WASHING MACHINE



## APPLICATIONS

- High-speed internal/external washing
- For PET/HDPE/LDPE/Glass bottles
- Dust-free clean bottles before filling

## FEATURES

- Rotary washing system
- Positive bottle holding
- Multi-wash (air + water)
- No-bottle, no-wash
- Optional ionized cleaning
- PLC + HMI controls

## TECHNICAL SPECIFICATIONS

- Up to 240 BPM\*
- Dia: 25-90 mm\*, Height: 50-200 mm\*
- 4-6 wash cycles
- Air: 5-7 kg/cm<sup>2</sup>, Water: 1-2 kg/cm<sup>2</sup>

# VOLUMETRIC LIQUID FILLING MACHINE



## APPLICATIONS

- Filling free-flow & viscous liquids
- For pharma, food, cosmetic, chemical
- Syrups, oils, lotions, juices

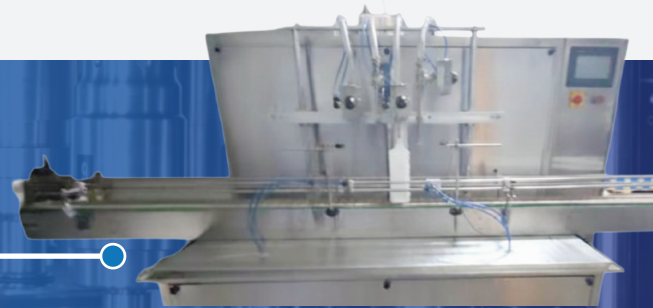
## FEATURES

- Volumetric syringe filling
- Drip-free nozzles
- No-bottle, no-fill
- Quick changeover
- GMP stainless steel
- PLC + HMI controls

## TECHNICAL SPECIFICATIONS

- Up to 120 BPM\*
- 5 ml – 1000 ml\*
- Dia: 25–90 mm\*, Height: 50–200 mm\*
- Accuracy ±1%

# SERVO GEAR PUMP LIQUID FILLING MACHINE



## APPLICATIONS

- For viscous/foamy liquids
- Pharma, food, cosmetic, chemical

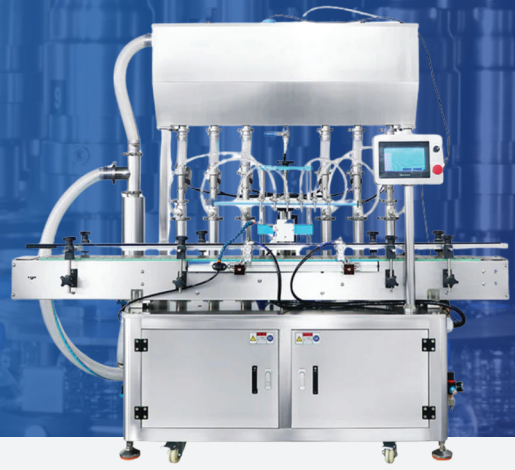
## FEATURES

- Servo gear pump precision
- Drip-free suck-back
- Fast changeover
- GMP stainless steel
- PLC + HMI controls
- 21 CFR PART II Compliance

## TECHNICAL SPECIFICATIONS

- Up to 150 BPM\*
- 10 ml – 1000 ml\*
- Accuracy ±0.5–1%
- Dia: 25–90 mm\*, Height: 50–200 mm\*

# LINEAR SERVO PISTON LIQUID FILLING MACHINE



## APPLICATIONS

- Servo piston filling for accuracy
- Handles thin to viscous liquids

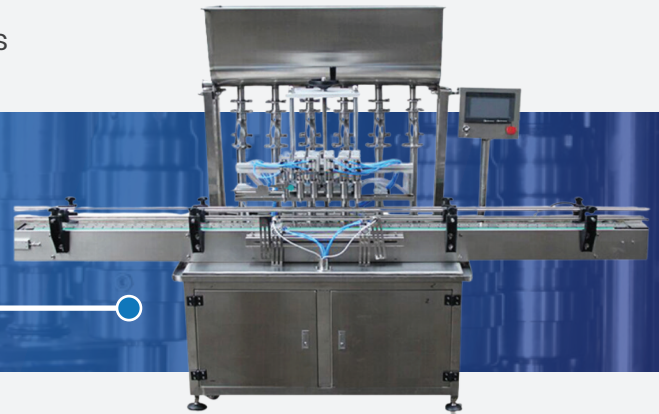
## FEATURES

- Servo piston accuracy
- Drip-free nozzles
- No-bottle, no-fill
- Quick changeover
- GMP stainless steel
- PLC + HMI controls

## TECHNICAL SPECIFICATIONS

- Up to 200 BPM\*
- 5 ml – 1000 ml\*
- Accuracy  $\pm 0.5-1\%$
- Dia: 25–90 mm\*, Height: 50–200 mm\*

# PNEUMATIC PASTE FILLING MACHINE



## APPLICATIONS

- Filling pastes, creams, gels, sauces

## FEATURES

- Pneumatic filling system
- Drip-free nozzles
- No-container, no-fill
- GMP stainless steel
- PLC + HMI controls
- 21 CFR PART II Compliance

## TECHNICAL SPECIFICATIONS

- 60–120 CPM\*
- 5 ml – 1000 ml\*
- Accuracy  $\pm 1-2\%$

# SERVO PASTE FILLING MACHINE



## APPLICATIONS

- High-precision paste filling

## FEATURES

- Servo-driven paste filling
- Drip-free diving nozzles
- No-container, no-fill
- GMP stainless steel
- PLC + HMI controls
- 21 CFR PART 11 Compliance

## TECHNICAL SPECIFICATIONS

- Up to 120 CPM\*
- 5 ml – 1000 ml\*
- Accuracy  $\pm 0.5-1\%$

# AUGER POWDER FILLING MACHINE



## APPLICATIONS

- Filling pharma/food/chemical powders

## FEATURES

- Auger screw filling
- Dust-free filling
- Vibratory system
- GMP stainless steel
- PLC + HMI controls
- 21 CFR PART 11 Compliance

## TECHNICAL SPECIFICATIONS

- Up to 120 CPM\*
- 1-500 gm\*
- Accuracy  $\pm 1-2\%$

# DRY SYRUP POWDER FILLING MACHINE



## APPLICATIONS

- Filling dry syrup powders in bottles

## TECHNICAL SPECIFICATIONS

- Up to 240 BPM\*
- 1-100 gm\*
- Dia: 25-90 mm\*, Height: 50-150 mm\*

## FEATURES

- Vacuum + air powder wheel
- Bottle lifting & neck holding
- Vibratory flow aid
- Compact design
- PLC + HMI controls
- 21 CFR PART 11 Compliance

# ROTARY TABLET COUNTING MACHINE



## APPLICATIONS

- Counting tablets/capsules

## TECHNICAL SPECIFICATIONS

- Up to 100 BPM\*
- Tablets 3-25 mm
- Count 1-9999

## FEATURES

- Rotary counting disk
- No-bottle, no-fil
- GMP design
- PLC + HMI controls
- 21 CFR PART 11 Compliance

# LINEAR VIBRATORY TABLET COUNTING MACHINE



## APPLICATIONS

- High-speed tablet/capsule counting

## TECHNICAL SPECIFICATIONS

- 100–150 BPM\*
- Size 3–25 mm
- Count 1–9999

## FEATURES

- Vibratory linear counting
- No-bottle, no-fil
- GMP build
- PLC + HMI controls
- 21 CFR PART 11 Compliance

# SINGLE HEAD SCREW CAP CAPPING MACHINE



## APPLICATIONS

- Automatic screw capping

## TECHNICAL SPECIFICATIONS

- 30–40 BPM\*
- Cap: 20–60 mm\*

## FEATURES

- Single-head capping
- No-bottle, no-cap
- GMP stainless steel
- PLC + HMI controls
- 21 CFR PART 11 Compliance

# MULTI-HEAD PICK & PLACE SCREW CAP CAPPING MACHINE



## APPLICATIONS

- High-speed automatic screw-cap capping
- For pharma, nutraceutical, cosmetic, food, chemical
- Suitable for PET/HDPE/LDPE/Glass bottles

## FEATURES

- Multi-head pick & place capping
- No-bottle, no-cap
- Adjustable cap fee
- GMP stainless steel
- PLC + HMI controls
- 21 CFR PART 11 Compliance

## TECHNICAL SPECIFICATIONS

- Up to 240 BPM\*
- Bottle Dia: 25–90 mm\*
- Bottle Height: 50–200 mm\*
- Cap Dia: 20–60 mm\*

# SINGLE HEAD ROPP CAP SEALING MACHINE



## APPLICATIONS

- Automatic ROPP cap sealing
- Pharma, nutraceutical, cosmetic, food
- PET/HDPE/LDPE/Glass bottles

## FEATURES

- Single-head ROPP sealing
- No-bottle, no-cap
- Adjustable sealing head
- GMP stainless steel
- PLC + HMI controls
- 21 CFR PART 11 Compliance

## TECHNICAL SPECIFICATIONS

- 30–40 BPM\*
- Bottle Dia: 25–90 mm\*
- Bottle Height: 50–200 mm\*
- Cap Dia: 20–60 mm\*

# MULTI-HEAD ROPP CAP SEALING MACHINE



## APPLICATIONS

- High-speed ROPP sealing
- Pharma, nutraceutical, cosmetic, food
- PET/HDPE/LDPE/Glass bottles

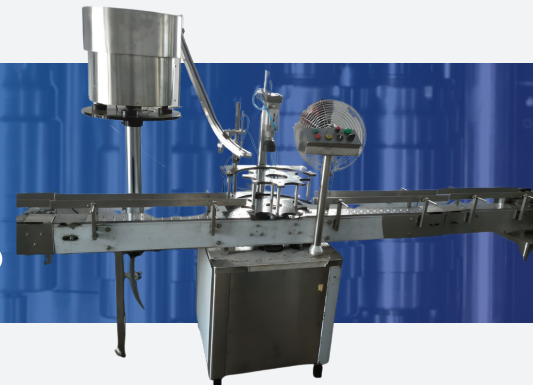
## FEATURES

- Multi-head ROPP sealing
- No-bottle, no-cap
- Adjustable sealing heads
- GMP stainless steel
- PLC + HMI controls
- 21 CFR PART 11 Compliance

## TECHNICAL SPECIFICATIONS

- Up to 240 BPM\*
- Bottle Dia: 25–90 mm\*
- Bottle Height: 50–200 mm\*
- Cap Dia: 20–60 mm\*

# INNER CAP CAPPING MACHINE



## APPLICATIONS

- Inner cap / induction liner placing
- Pharma, nutraceutical, cosmetic, food
- PET/HDPE/LDPE/Glass bottles

## FEATURES

- Automatic inner-cap sealing
- No-bottle, no-cap
- Adjustable sealing heads
- GMP stainless steel
- PLC + HMI controls
- 21 CFR PART 11 Compliance

## TECHNICAL SPECIFICATIONS

- 60–120 BPM\*
- Bottle Dia: 25–90 mm\*
- Bottle Height: 50–200 mm\*
- Cap Dia: 20–60 mm\*

# DOSE MEASURE CUP PLACEMENT MACHINE



## APPLICATIONS

- Automatic dosing cup placement
- Pharma, nutraceutical, food, cosmetic
- PET/HDPE/LDPE/Glass bottles

## FEATURES

- Automatic cup placement
- No-bottle, no-cup
- Adjustable feed system
- GMP stainless steel
- PLC + HMI controls

## TECHNICAL SPECIFICATIONS

- 80–150 BPM\*
- Bottle Dia: 25–90 mm\*
- Bottle Height: 50–200 mm\*
- Cup Dia: 15–60 mm\*
- Cup Height: 10–50 mm\*

# EYE / EAR / NASAL DROP FILLING WITH INNER & OUTER CAPPING MACHINE



## APPLICATIONS

- Complete packaging for eye/ear/nasal drop bottles
- Performs filling, inner plug insertion & outer cap sealing
- Suitable for PET/HDPE/LDPE small bottles in pharma

## FEATURES

- Integrated filling + inner plug + capping
- No-bottle, no-fill / no-cap
- Accurate servo/precision filling
- High-precision pick & place system
- Controlled torque sealing
- GMP stainless steel build
- PLC + HMI controls

## TECHNICAL SPECIFICATIONS

- Output: 60–120 BPM\*
- Bottle Dia: 15–40 mm\*
- Bottle Height: 25–100 mm\*
- Cap Dia: 15–35 mm\*
- Fill Volume: 1–30 ml\*

# AUTOMATIC SINGLE HEAD SERVO TORQUE CAPPING MACHINE



## APPLICATIONS

- Torque-controlled screw capping
- For PET/HDPE/LDPE/glass bottles
- Used in pharma, nutraceutical, food & cosmetics

## FEATURES

- Servo-driven torque head
- Adjustable torque via HMI
- Auto rejection for improper torque
- No-bottle, no-cap logic
- GMP stainless steel build
- PLC + HMI controls

## TECHNICAL SPECIFICATIONS

- Output: Up to 30 BPM\*
- Bottle Dia: 25–90 mm\*
- Bottle Height: 50–200 mm\*
- Cap Dia: 20–60 mm\*
- Torque: Adjustable

# MULTI-HEAD TORQUE CAPPING MACHINE



## APPLICATIONS

- High-speed torque-controlled capping
- For PET/HDPE/LDPE/glass bottles
- Suitable for pharma, food, cosmetic, nutraceutical lines

## FEATURES

- Multi-head servo torque system
- Individual torque control
- Auto rejection of under-torque caps
- No-bottle, no-cap
- GMP stainless steel frame
- PLC + HMI controls

## TECHNICAL SPECIFICATIONS

- Output: Up to 200 BPM\*
- Bottle Dia: 25–90 mm\*
- Bottle Height: 50–250 mm\*
- Fill Volume: 10–1000 ml\*
- Cap Dia: 20–60 mm\*

# AUTOMATIC ROTARY PISTON FILLING & CAPPING MONOBLOCK MACHINE



## APPLICATIONS

- High-speed filling + capping in one monoblock
- For syrups, liquids, low-medium viscosity products
- Pharma, food, nutraceutical, cosmetic industries

## FEATURES

- Rotary piston volumetric filling
- Integrated high-speed rotary capping
- Compact monoblock design
- Auto rejection for faulty fill or cap
- GMP stainless steel design
- PLC + HMI controls

## TECHNICAL SPECIFICATIONS

- Output: 80–150 BPM\*
- Bottle Dia: 25–90 mm\*
- Bottle Height: 50–200 mm\*
- Fill Volume: 10–1000 ml\*
- Cap Dia: 20–60 mm\*

# COTTON INSERTER MACHINE



## APPLICATIONS

- Automatic cotton plug insertion
- For tablets, capsules, powder bottles
- Pharma, cosmetic, personal care

## FEATURES

- Automatic cotton feeding & insertion
- Adjustable mechanism
- No-bottle, no-cotton
- Stainless steel GMP build
- PLC + HMI controls

## TECHNICAL SPECIFICATIONS

- Output: 60–150 BPM\*
- Bottle Dia: 20–90 mm\*
- Bottle Height: 50–200 mm\*
- Cotton Dia: 15–50 mm\*

# LEAFLET TOPserter MACHINE



## APPLICATIONS

- Automatic leaflet placement on bottles/cartons
- For pharma, nutraceutical, cosmetic compliance

## FEATURES

- Precise automatic top placement
- Adjustable leaflet feed
- No-product, no-leaflet
- GMP stainless steel build
- PLC + HMI controls

## TECHNICAL SPECIFICATIONS

- Output: 60–150 BPM\*
- Product Width: 20–90 mm\*
- Product Height: 50–200 mm\*
- Leaflet Size: 50–150 mm (folded)\*

# STICKER LABELLING MACHINE



## APPLICATIONS

- Automatic labeling of round, flat, and rectangular bottles.
- Suitable for PET, HDPE, LDPE, & glass bottles.
- Used in pharmaceutical, nutraceutical, cosmetic & food industries.

## FEATURES

- Single-side, double-side & wrap-around labeling in one machine
- High-speed automatic sticker application
- Adjustable guides for multiple bottle shapes & sizes
- No-Bottle, No-Label logic
- Compact, hygienic, GMP-compliant SS construction
- PLC + HMI controls
- Seamless line integration with filling/capping machines

## TECHNICAL SPECIFICATIONS

- Speed: 50 – 150 BPM\*
- Bottle Size:  $\varnothing$ /Width 20–90 mm\*, Height/Length 50–200 mm\*
- Label Width: 20 – 120 mm\*
- Power: 415V, 3-Phase, 50Hz
- Air: 5–7 kg/cm<sup>2</sup> (oil-free)