



FORBRO[®] ENGINEERS

An ISO 9001 : 2015 Certified Company

Manufacturer & Exporter of Packaging Machines and Equipments



AUGER FILLER



| | AP-100E/AP-100J | AP-100JGP | ALC-100/ALC-100J | AP-100S - Servo |
|-----------------|----------------------|-------------------|-------------------|-------------------|
| Filling Mode | Volumetric | | Weighmetric | Volumetric |
| Hopper Capacity | 35 / 80 Litres | 80 Litres | 35 / 80 Litres | 35 Litres |
| Filling Speed | Upto 30 Fills /Min | Upto 15 Fills/Min | Upto 12 Fills/Min | Upto 40 Fills/Min |
| Accuracy | ±2% | | ±1% | ±2% |
| Packsize | Upto 2500gms | Upto 5000gms | Upto 5000gms | Upto 2500gms |
| Controls | Microprocessor / PLC | | | |

SALIENT FEATURES

- Best in Class, time tested Quality product.
- Easy Integration with Conveyorized Automated System.
- Sturdy, Simple construction assists maintenance.
- Pneumatic bottom up mechanism for Grease filling.
- Capacity to handle wide range of products & pack sizes.
- Easy changeover of product & pack sizes.
- Screw conveyor for continuous feeding.

APPLICATIONS : Ground Spices, Dry syrup, Flour, Chemical, Coffee & tea premixes, Dyes & pigments, Pesticide, Herbal/Talcum powders, Milk powder, Micro nutrients , Grease, Lubricants, Emery Paste

VOLUMETRIC CUP FILLER

| | SV-3T | DV-3T / DV-3TJ | SV-4 |
|-----------------|--------------------|--------------------|--------------------|
| Hopper Capacity | 50 Litres | | 15 Litres |
| Filling Speed | Upto 16 Fills /Min | Upto 32 Fills /Min | Upto 20 Fills /Min |
| Accuracy | ±2% | | |
| Packsize | Upto 1000gms | Upto 1500gms | Upto 100gms |
| Filling Head | One | Two | One |

SALIENT FEATURES

- In-line Volume adjustment
- Capacity to handle wide range of products and pack sizes.
- Models with Enclosure for dust free operations
- Optional Auto control for multiple discharge in single pack
- Easy integration with Automatic conveyorised system
- Low power consumption
- Ideal for Corrosive Environment

APPLICATIONS : Detergent, Salt, Sugar, Grains, Pulses, Whole spices, Granular powder, pesticides, Chemicals, Tea, Seeds



WEIGH FILLER



| | WF-1000 | WF-1000T | WF-1000L |
|-----------------|--|-------------------|--------------------|
| Filling Mode | Vibratory Weighmetric | | |
| Filling Track | One | Two | One |
| Feeding Stages | One / Two | | Linear Feeding |
| Hopper Capacity | 40 Litres | 60 Litres | 80 Litres |
| Filling Speed | Upto 12 Fills/Min | Upto 20 Fills/Min | Up to 10 Fills/Min |
| Accuracy | ±1% | | |
| Packsize | Upto 1000 Grams | | Up to 5000gms |
| Controls | Microcontroller/PLC Based loadcell controllers | | |

SALIENT FEATURES

- Precision loadcell based weighing.
- Multi track discharge for higher speed.
- Simple and robust construction.
- Fine and coarse feeding model.
- Two stage feeding mechanism for better material control.
- Mechanism to detect material cluttering.

APPLICATIONS : Whole spices, Snacks , Chemical, Screws, Wafers, Rice, Confectioneries, Kurkure, Cashew, Almond, Seeds, Tea, Chips, pulses, Grains, Peanut, Snacks, Makhana.

FORM FILL & SEAL MACHINE



| | Sachet Packer - SPP Series | Form Fill Seal Machine - FFS Series |
|-----------------|---|--|
| Dozing Unit | Auger Filler / Vibratory Filler / Cup Filler / Liquid Filler / Paste Filler | |
| Hopper Capacity | 35 liters | 35/80 liters |
| Pack size | Powder : 10gms - 250gms Liquid/Paste : 5ml - 150ml | Powder : 100gms - 1000gms Liquid/Paste : 100ml - 1000ml |
| Filling Speed | Upto 40 Fills/Min | Up to 25 Fills/Min |
| Accuracy | ±2% | |
| Controls | Digital Temperature controllers, Print mark sensor, Microprocessor / PLC. | |
| Sealing | Pneumatic/Mechanical | |
| Pouch Size | MAX : 100mm X 100mm | MAX : 180 mm X 300 mm |
| Pouch Type | 3 side , 4 side or Centre seal | |

SALIENT FEATURES

- Best in Class, time tested Quality product.
- Standard and GMP Models.
- Easy Integration with Conveyerised Automated System.
- Sturdy, Simple construction assists maintenance.
- Capacity to handle wide range of products & pack sizes.
- Easy changeover of product & pack sizes.
- Screw conveyor for continuous filling.

APPLICATIONS

Ground Spices, Dry syrup, Flour, Chemicals, Lubricants, Coffee & Tea Premixes, Dyes & pigments, Pesticide, Herbal/ Talcum powders, Milk powder, Micro nutrients.

LIQUID FILLER



| | LF-2 | LF-1W | LF-1V | SLF-2/SLF-2A |
|-----------------|---------------------|-------------------|-------------------|-------------------|
| Filling Mode | Volumetric | Weighmetric | Volumetric | Volumetric Servo |
| Pack size | 10ml - 1000ml | 100ml-2500ml | 100ml-5000ml | 100ml -5000ml |
| Filling Speed | Upto 15 Fills/Min | Upto 10 Fills/Min | Upto 20 Fills/Min | Upto 20 Fills/Min |
| Nozzle type | Stationary / Diving | Stationary | Stationary | Stationary |
| Filling Head | Two | One | One | One/Two /Four |
| Accuracy | ± 1% | | | |
| Controls | VFD | | PLC | |
| Filling Control | Volumetric piston | Load Cell | Flowmeter | Servo Motor |

SALIENT FEATURES

- Capacity to handle different pack sizes.
- Simple Height adjustment to suit container sizes.
- Easy Volume adjustment for bulk density variation.
- Variable speed drive for operator speed adjustment.
- Spillage tray to reduce wastage.
- Models with Multi head Conveyerised high speed filling.

APPLICATIONS

Oil, Syrup, Cleaner, Shampoo, Agrochemicals, Perfumes, Water, Coconut Water, Phenyl, Sanitizer, Honey, Lubricants, Engine oil, Paint.

BAND SEALER



| | CBS-30 | CBS-30J | CCSI-30 |
|-------------------|--|----------------|------------------------|
| Sealing Mechanism | Heat Transfer through endless Teflon Belt | | |
| Sealing Material | Virgin/Laminated Heat sealable preformed pouches | | |
| Pouch Size | Adjustable - 100 mm - 400 mm Height | | Adjustable upto 200 mm |
| Seal Width | 5-10 mm | 10-15 mm | 5-10 mm |
| Control | Digital Temperature controller with "J" type Thermocouple, VFD | | |
| Conveyor Length | 195mm X 1500mm | 195mm X 1800mm | 130mm X 650mm |

SALIENT FEATURES

- Unique Elegant Design.
- Variable Speed Drive for Speed adjustment.
- In built cooling mechanism.
- Adjustable Height to handle various pack-sizes.
- Suitable for pouches with varied thickness.
- Nitrogen Flushing arrangement on request.

APPLICATIONS : Virgin/Laminated Heat sealable pouches made up of PP/HM/HDPE/Plastic/Aluminium.
Best suited for powders, snacks, pulses, chemicals, Granules, Wafers, Detergent.
Ideal for large and thick bags.

BLENDER

| | RB-1500 | DCB-600 |
|--------------------------|--|--------------------------|
| Blender Type | Ribbon Blender | Double Cone Blender |
| Capacity | 125/300/500/1000/1500 Litres | Litre 150/300/600 Litres |
| Outlet | Through Macon valve. | |
| MOC for Main frame | M.S. / Stainless steel (Optional) | |
| Contact Parts | SS 304 / SS 316 | |
| Control Panel (Optional) | Microprocessor / PLC Controls for Cycle time and direction control | |
| Power | From 1HP to 10 H.P., 3 Phase, 440V A.C., 50 Hz., 1400 RPM as per Model Capacity, | |

SALIENT FEATURES

- Wide range with SS304/SS316 contact parts.
- Manual / Microprocessor based control for ease of operation.
- Variable Frequency Drive for Speed Control.
- Dual Flow operations ensures homogeneous mixing.
- Auto cut-off for attention free operations.
- Modular design to facilitate maintenance and cleaning.
- Special port for in-line material feeding.

APPLICATIONS : Flour, Colour, Coffee, Dyes and Pigments, Pulses and Grains, Chemicals, Pesticides, Detergent, Protein and milk powder.



SIFTER



| | VS-30 |
|------------------|---|
| Diameter (Inch) | 20 , 24, 30, 36, 48 Inches Diameter Screen for powder grading |
| No. of Decks | One / Two |
| Operational Mode | Material to be fed at controlled rate for required grading. |
| Speed | Depending on particle size, Moisture content and flowability |
| MOC | SS304 / SS316 |
| Inlet /Outlet | 150 mm Diameter |
| Power | 0.5 HP to 1.5 HP, 3 Phase, Vibratory Grade |

SALIENT FEATURES

- Ideal for Dry separations.
- Suitable for wide range of product and material.
- High quality vibratory motor for perfect vibration and separation.
- High capacity , Low operating and maintenance cost.
- Springs to amplify vibrations resulting in low power consumption.
- Silent and low power operation.

APPLICATION

Gradation of Flour, Color, Coffee, Dyes and Pigments, Pulses and Grains, Chemicals, Pesticides, detergent, Salt, Tea, Milk Powder, Yeast, Sand, Carbide.

CAPPING



| | SC-40 | RSC-40 | SC-40A | RSC-40A |
|----------------|---|------------|---------------------------------|---------|
| Type | Screw Capping | ROPP | Screw Capping | ROPP |
| Operating mode | Semi Automatic | | Automatic | |
| Capping Size | Up to 50 mm | Up to 30mm | Up to 50 mm | |
| Speed | Up to 25 Caps/Min | | Up to 40 Caps/Min | |
| Bottle Feed | Manual | | Conveyorised through Turn table | |
| Sealing Head | Single Head with Changeable coupler for different CAP sizes | | | |

SALIENT FEATURES

- Supports various sizes of caps with change parts.
- Height adjustment for varied Bottle sizes.
- Single motor synchronizes conveyor, indexing & sealing head.
- Integrated control panel for ease of operation.
- Special guide for small bottles.

APPLICATIONS

For Capping Plastic, Glass, Metal Bottles and Jar with Plastic / Metal Caps

AUTOMATIC PACKAGING LINE



| | PFC-100A | PFC-100V | PFC-100W | LF-4A |
|--------------------|--|--------------------|--------------------|----------------------|
| Product | Powder | Granules | Granules | Liquid/Paste |
| Dozing Head | Auger Filler | Cup filler | Vibratory filler | Liquid /Paste Filler |
| No. of Dozing head | One/Two | One/Two | One/Two | 2/4/6/8 |
| Filling Speed/Min | Upto 30 Fills | Upto 16 Fills/Head | Upto 10 Fills/Head | Upto 10 Fills/Head |
| Accuracy | +/- 2 % | +/- 2 % | +/- 1 % | +/- 2 % |
| Filling mode | Volumetric | Volumetric | Weight | Volumetric |
| Packsize | 10gms-1000gms | 10gms-2500gms | 10gms-1000gms | 50ml-500ml |
| Control Panel | Microprocessor / PLC | | | |
| Bottle Feeding | Bottles are fed to Slat conveyor from Turn table | | | |
| Operation mode | Receive, Index, Fill and off take sequence of bottle handling (Intermittent) | | | |

SALIENT FEATURES

- State of the Art technology
- Simple and Modular construction
- No Bottle No Fill mechanism
- Easy Integration with Capping, labeling and induction
- Optional Enclosure for Dust free packaging

APPLICATIONS

For High speed Automatic Filling of Powder, Granule, Liquid and Paste in Containers.

OUR GLOBAL FOOTPRINT



• Bangladesh • Brazil • Dubai • Egypt • Ethiopia • Ghana • Indonesia
• Israel • Kenya • Malaysia • Nepal • New Zealand • Nigeria • Oman • Srilanka
• Tanzania • Thailand • Trinidad & Tobago • U.K. • Uganda • Yemen • Zambia

PRODUCT RANGE

Auger Fillers
Cup Fillers
Paste Fillers
Vibratory Fillers
Liquid Filling machines
Continuous Band sealers
Pedal Sealer
Micro Dozer

Capping Machines
Form Fill Seal Machines
Sachet Packer
Lubricant filling line
Automatic Powder Filling Line
Servo Controlled Liquid filling line
Multi head Powder filling line
Collar type VFFS Machines

Ribbon Blenders
Double Cone Blenders
Vibratory Sifters
Screw Conveyor
Multi Mill
Grease Filling Machines
Material Handling Conveyor belts
Barrel Filling Machine

FORBRO[®] ENGINEERS

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