

CUSTOMIZED MACHINE DESIGNER AND MANUFACTURE

We are leading manufacture and designer of customized machineries in the field of feeding and packing line in the sector of pharmaceutical, Healthcare , FMC ,Cosmetics, Food bottling, and Packaging industries .Our sustainable research & development strategies will help to achieve our goal



1. STICKER LABELING MACHINE



2. AIRJET VACUUM BOTTLE CLEANING MACHINE



3. LABEL REWINDING AND INSPECTION MACHINE.



4. TABLET /CAPSULE INSPECTION BELT



5. DE BLISTERING MACHINE



6. BOTTLE TRANSFER SYSTEM



7. TABLET LOADER SYSTEM



8. CAP LOADIG ELEVATOR



9. LIFTING AND POSITIONING DEVICE



10. BOTTLE INSPECTION SYSTEM



11. VISUAL INSPECTION TABLE



12. INFRARED (IR) DRYER



13. VACUUM TRANSFER SYSTEM (VTS)



14. ROTARY TURN TABLE



15. PNEUMATIC STIRRER



16. AUTOMATIC FOUR SIDE BOPP TAPING MACHINE



17 . BOPP TAPING MACHINE



18. HEAT SHRINK TUNNEL MACHINE



19. MANUAL BOTTLE CLEANING MACHINE



20. BURN SEAL VERIFICATION SYSTEM



21. ONLINE PRINTING SYSTEM



22. NITROGEN PURGING SYSTEM

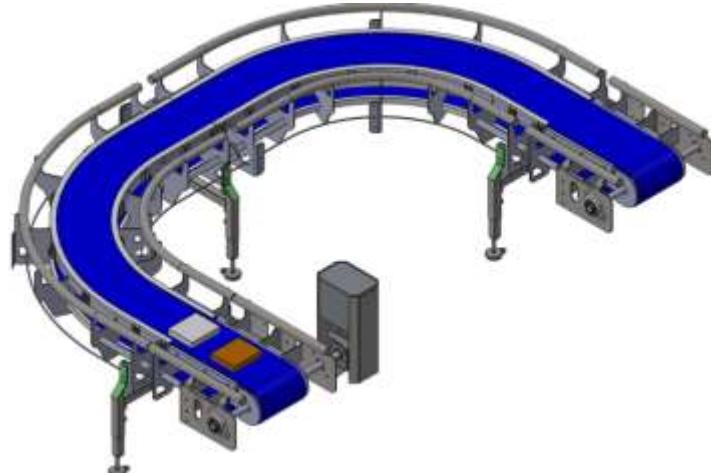


23. BOTTLE SEPARATOR



24. ALUMINIUM PROFILE SECTIONS WITH ACRYLIC COVER





PVC LINK RADIUS CONVEYOR BELT



SS 304 MODULAR CONVEYOR BELT



SWING CONVEYOR BELT



INCLINED MODULE CONVEYOR



PVC LINK CONVEYOR BELT



SS SLAT CONVEYOR BELT



PVC FLAT CONVEYOR BELT



WIRE MESH CONVEYOR BELT

INSTRUMENTS AND ELECTRICAL SPARES



**HUMAN MACHINE
INTERFACE (HMI)**



**PROGRAMMABLE LOGIC
CONTROLLER (PLC)**



PLC MODULE



AC SERVO MOTOR



**VARIABLE FREQUENCY
DRIVE(VFD)**



CONTROL PANEL

SPARE PART OF CVC AND PHARMAPACK BOTTLE PACKING LINE



TABLET DISCHARGE FUNNEL



BOTTLE GUIDE



HOLDING CLAMP



FEEDER SCREW



GATE CHANNEL



BOTTLE UNSCRAMBLE DISC



STAR WHEEL



TABLET DISCHARGE GATE



MEMORY FLAPPER



FEEDER CHANNEL



TABLET HOPPER



VIBRATION PAD



SILICONE SPINDLE

OUR VALUABLE CUSTOMER



Zeiss Pharma



MILLENNIUM PHARMATECH

1- Chakkan Road Baddi, Distt Solan Himachal Pradesh -173205-

Email : millenniumpharma@yahoo.com, info@millenniumpharmatech.com

Mob : 09838116114, 0981720017

www.millenniumpharmatech.com

1. STICKER LABELING MACHINE

- Automatic sticker labeling machines equipped with dual rollers to ensure label dispensing accurately
- Suitable for different types of bottles, such as round, square and flat bottles, ampoules, vials, and cartons.
- Advanced servo technology ensures precise placement of labels, minimizing errors and enhancing product presentation
- Machines are equipped with Touch Screen HMI and intuitive controls for ease of operation.
- Speed up to 120 bottle per minutes
- Rejection of individual faulty bottle/products.
- Equipped with advanced servo-motor driven labeling head
- Provides excellent quality Automatic Sticker labeling machines for bottles of all shapes and sizes.
- Minimum changeover time is required from one size of container or label to another.
- No container, No label, an electrical sensing device avoids wastage of labels, it also helps in keeping the unit neat & clean.

2. AIRJET VACUUM BOTTLR CLEANING MACHINE

- Airjet vacuum cleaning system enhanced cleaning efficiency, reduced contamination risk and operational flexibility.
- Positive air pressure and vacuum cleaning mechanism enhance the cleaning efficiency
- Ionizer is a device Ionizers use negative ions remove small particles in the air.
- This machines can handle a wide range of bottle sizes and shapes with minimal changeover time.
- Pressure regulator with pressure switch optionally provided.
- Separate zone for dust collection chamber for easy cleaning after operation.
- Individual control for air pressure and vacuum cleaning.
- All contact part Stainless steel finish SS 304 or Nylon material
- Easy to clean all contact parts and user-friendly operation.
- Our models are designed and manufactured according to Good Manufacturing Practice (GMP) standards, ensuring the highest levels of cleanliness.

3. LABEL REWINDING AND INSPECTION MACHINE

- High speed label rewinding and inspection machine
- Vertical design to allow easy installation of various optional process accessories
- The machine is suitable for counting and Inspection of Label roll and various date i:e Batch No : Mfg date ,Exp date etc.
- A high-resolution optical camera identifies and records all defects on the label
- Variable Drive for speed controller for smooth operation.
- Machine can operate through HMI with batch data print facilities.
- Suitable for Manual inspection of printed self-adhesive labels.
- Programmable for label and or length count facility.
- The table top & larger free standing system provide web guides, splice tables .

4 TABLET/CAPSULE INSPECTION BELT

- Fully automatic operations and designed as per cGMP – Current Good Manufacturing Practices compliance
- Complete tablet surface is inspected on both faces.
- Hopper & fluorescent inspection light are provided with height adjustment.
- Both coated and uncoated tablet & caplets of all size can be inspected
- Magnetic chute to hold any foreign/steel particulate
- Magnifying lens for better viewing.
- Product contact parts SS 316 and non contact parts is SS 304 or food grade.
- Food grade material used for plastic and rubber components
- Perforated vibratory plate for dust extraction provides.
- Maintenance-free components used to minimize the downtime

5. DEBLISTERING MACHINE

- Universal type de-blistering machine, suitable for various types of blister packs
- Universal type de-blistering machine, suitable for various types of blister packs separation from rejected blisters.
- Automatic feed and automatic product separation from rejected blister.
- Fully cGMP compliance design & easy to use.
- Sensor interlocking to prevent magazine operating when empty
- All Contact parts are SS 316 and non contact parts is SS 304 or food grade
- Reliable, easy to operate – No specialization required
- No change parts required for different size of blister packs
- Our deblistering machines offer several advantages, including increased efficiency, improved quality, reduced labor costs, and enhanced safety.

06. BOTTLE TRANSFER SYSTEM

- Automatic bottle transfer system will increase the efficiency and eliminate the extra man power.
- Smoothly bottle transfer mechanism from one conveyor to another conveyor.
- The conveyor is typically made of stainless steel or other materials that are easy to clean and maintain.
- The conveyor includes safety features such as emergency stop buttons, safety guards, and sensors to detect and prevent bottle jams or spills.
- Specially design to maintain gap between two bottles
- The conveyor speed can be controlled by Variable frequency drive to ensure that bottles move smoothly and efficiently through the production process.
- Easy to install and maintenance free machine.
- The conveyor can be customized to meet specific production needs such as incorporating additional sensors, labeling equipment, or other features.
- Easy adjustment of belt gap according to bottle size.

7. TABLET LOADER SYSTEM

- Pillar type Tablet loading system are design for lifting and loading the tablet in to hopper.
- 90 degree smooth tilting of hopper design to ensures linear motion of tablet during unloading to hopper.
- Pillar type Tablet loading system are widely used in the pharmaceutical, food, nutraceuticals, chemicals and cosmetics industries
- All contact parts SS 316 and Non contact parts SS 304
- GMP model and screw lifting mechanism with lifting & tilting system.
- Machine design with moveable wheel for easy movement.
- Stainless housings.100% customizable for any possible application.
- Machine stop automatically after loading will completed.
- Automatic lifting and tablet unloading design with auto filing level.
- Our models are designed and manufactured according to Good Manufacturing Practice (GMP) standards, ensuring the highest levels of cleanliness

8. CAP LOADIG ELEVATOR

- Automatic cap feeding process, allowing for a continuous flow of caps to the capping machine,
- Reduced manual labor, increased production speed and efficiency, and minimized risks of errors and contamination
- Cap elevators automate the feeding process, minimizing the need for manual handling and placement of caps.
- Machine design with moveable wheel for easy movement.
- GMP model complete machine buildup with stainless steel 304 or food grade material
- The angle, height and speed of the cap elevator can be customized to suit client requirements.
- No setting system for any change part , easy to operate.
- Speed is controlled with help of variable speed drive (VFD)
- Our models are designed and manufactured according to Good Manufacturing Practice (GMP) standards, ensuring the highest levels of cleanliness
- The machine can effortlessly fit into any packaging unit in the Pharmaceutical, Food, Beverages and Cosmetics industries.

9. LIFTING AND POSITIONING DEVICE

- Lifting and Positioning Devices (LPD) are designed to lift, tilt, and position various types of containers bins, drums (SS & HDPE) for easy discharge of powders and granules into various process equipment.
- Lifting and Positioning Devices (LPD) is designed for capacity of 150 kg- 500 kg
- Lifting and Positioning Devices are designed to lift, tilt, and position various types of containers bins, drums (SS & HDPE) for easy discharge of powders and granules into various process equipment.
- Main lifting column is made of M.S. structure and externally cladded by SS 304 material with front side covered with PVC belt to prevent powder entering the column area.
- Floor and ceiling swivel bearing units are completely enclosed with SS 304 Material.
- Bin up position locking arrangement can be given by means of special stopper arrangement on request.
- The electro hydraulic power pack consist of oil reservoir, oil level indicator, filter breather, suction strainer, gear pump and electric motor.
- To have safe operation to protect man and machine, our lifting unit is provided with various protective arrangement such as non return valve, which prevents lifter coming down incase of hose failure.
- All contact parts are polished to mirror finish and non contact parts are polished to matt finish.
- Lifting and Positioning Devices (LPD) are widely used in the pharmaceutical, food, nutraceuticals, chemicals and cosmetics industries

10 .BOTTLE INSPECTION SYSTEM

- Designed as per cGMP – Current Good Manufacturing Practices compliance
- Customized Length and height can be design as per customer requirement.
- Stainless steel SS 304 slat conveyor belt with resolution magnify lenses.
- Belt drives through gear motor with variable frequency drive.
- Provides guide for chain of UHMW self lubrication.
- Complete body made of high grade Stainless steel (SS 304)
- GMP model with qualification documents (IQ,OQ,DQ & MOC certificates)
- Typical deign for inspection various types of pet Bottle & glass bottle
- Equipped with 1 HP gearmotor and variable frequency drive (VFD)
- Rigid Vibration free Construction for trouble free performance.

11. VISUAL INSPECTION SYSTEM

- Visual inspection system design with PVC black & white board.
- High resolution light behind the PVC black & white board and providing efficient visibility.
- Stainless steel SS 304 slat conveyor belt with resolution magnify lenses.
- Customized Length and height can be design as per customer requirement.
- Complete body made with high grade Stainless steel (SS 304)
- Customized Length can be made as per customer requirement.
- Sliding cupboard for storage of daily use utensils.
- Typical deign for inspection various types of Vial & Bottle
- Rigid Vibration free Construction for trouble free performance
- GMP compliance with qualification documents (IQ,OQ,DQ & MOC certificates)

12. INFRARED (IR) DRYER

- Infrared (IR) design for sterilizing equipment, utensil and packaging materials
- Direct the infrared radiation towards the material for even heating
- Air circulation system removes evaporated moisture and improves drying efficiency.
- The control panel manages the intensity and duration of infrared radiation
- Reflectors around the infrared heaters direct the radiation towards the material.
- Advanced control systems manage the intensity and duration of infrared radiation
- Infrared dryers include safety features such as temperature sensors, automatic shut-off systems.
- Customized design of Infrared dryers have a compact design, making them easy to integrate into existing production lines.
- Complete body construct with high grade stainless steel (SS 304)
- HMI and PLC control panel with batch print facility and storage memories (Optional).

13. VACUUM TRANSFER SYSTEM (VTS)

- Our vacuum Transfer System are designed to transfer bulk powder ,granules and particle sizes from point to another while maintaining product integrity and minimizing contamination risk
- The flow type can be optimized and controlled based on material properties and the desired output
- All contact parts made of SS 304 and non-contact parts is SS 304 or food grade material.
- Static dissipative thermoplastic hoses with smooth insides for safe and easy transport of materials, and reduced material buildup
- Closed loop transfer of powders and granules
- Antistatic filters are easy to clean with automated air-purging
- Ideal for various industries like Pharmaceutical, food, nutraceuticals, chemicals, agrochemicals, cosmetics, animal feed, petrochemical, etc.
- Customized system can be design as per user requirement and product demand.
- Energy saving Three phase vacuum pump are direct driven oil sealed, rotary vane and air cooled.
- Product flow rate can be design up to 50 Kg/Min depending on product bulb density and product characteristics.

14. ROTARY TURN TABLE

Stainless-steel (SS 304) heavy-duty rotary table will create an efficient operation by accumulating product.

- The smooth surface and concave shape allow product to slide towards the center of the rotating table.
- The turn table will ensure total synchronization, uniform flow of container and to take a turn at 90 degree and uniform product transfer for further operation
- The rugged construction allows for a long-lasting, corrosion & rust resistant, simple to clean, and easy to operate machinery.
- This turn table can be used by a wide variety of industries, including for Pharmaceutical, food and beverages, chemicals, FMC, cosmetic, and many more.
- Adjustable height range from 30-48 inches (can be whatever height you need)
- Variable frequency drive for speed control rage 5-15 RPM with RPM indicator (Optional)
- Customized deign of diameter and height per customer requirement with adjustable height \pm 100 MM
- Bonfiglioli gear motor with stainless steal electrical control panel equipped with safety features.
- During rotation of turn table, the container will be guided by a SS strip towards outlet path. The output of turn cable can be maintained by A.C. Frequency drive

15. PNEUMATIC STIRRER

- The air operated pneumatic stirrers are used for used for mixing flammable, inflammable liquids or solvent
- All contact parts made from Stainless Steel 316/304 as per customer requirements.
- Pneumatic stirrer agitators are distinguished by their functional design, ease of handling robust construction
- Pneumatic stirrer system provide uniform and homogeneous mixing of solvent
- Pneumatic Stirrer can be mounted on stand, container or vessel
- Customized design as per user requirement and product demand
- Flameproof control panel with inbuilt RPM meter and display facility.
- Energy efficient Pneumatic stirrer with low air consumption and high RPM.
- Our Pneumatic stirrer are cGMP compliance model is widely uses in pharmaceutical, cosmetic, chemical and many more industry.

16. AUTOMATIC FOUR SIDE BOPP TAPING MACHINE

- Edge Sealing Machines, durable and designed for safety and low maintenance.
- Four side edge BOPP machine eliminates manpower for flap closing
- The automatic BOPP taping mechanism ensures uniform adhesive application.
- Achieve higher production rates while maintaining efficiency and minimizing downtime.
- Reduced material wastage, lower energy consumption, and enhanced productivity
- Highly versatile design allows to meet diverse customer requirements and adapt to changing market demands.
- This machines offer long-term performance and contribute to the seamless operation of manufacturing facilities.
- Regulatory cum centering conveyor to regulate the flow of cartons & regulate them on horizontal axis prior to taping Quick, simple & tool free adjustment for varying carton sizes
- Optional MS(wire mesh) /Polycarbonate Safety Guards for Operational safety
- Pneumatically controlled top drive and side guides align with the carton width and height automatically (Optional)

17. BOPP TAPING MACHINE

- This Machine adopts top and bottom / top & side belt drive, suitable for heavier box packaging.
- BOPP tapping machine suitable for sealing boxes, storing goods, and ensuring product safety during transit and prevent any tampering.
- Our BOPP tapping machine is enhanced durability, strength, and cost-effectiveness
- Our Sealing machines designed for reliable and, high speed tape application
- Easily be integrated with a high speed batch production line to increase productivity
- Quick, simple & tool free adjustment for varying carton sizes.
- Overlap of the tape on the sides of carton can be adjusted within the range of 50~80mm.
- Ensure precise and uniform tape application, resulting in strong and reliable seals.
- Automation minimizes the need for manual tape application, reducing labor costs and potential errors
- Accommodate a wide range of carton sizes, from small to large, making them versatile for different packaging needs

18. HEAT SHRINK TUNNEL MACHINE

- Heat shrink tunnel machines offer table-top heat shrink tunnel is a compact, light-duty shrink tunnel
- It can help create impeccable, hygienic, and appealing sealed packages.
- Heat shrink tunnel features a fully recirculating air chamber with a live roller rod conveyor
- Uniform air distribution with blower velocity controller
- Stainless steel (SS304) roller for corrosion free, wear and tear and long life durability.
- Digital temperature control of up to 0-400 degrees, AC variable speed drive conveyor with adjustable speed
- Blower motor, automatic tunnel cool down with shut off, lighted viewing window.
- Heat tunnel machines offer hygiene, speed, flexibility, and also excellent packaging solution
- Customized design of length and height as per customer requirement.

19. MANUAL BOTTLE CLEANING MACHINE

- Semi-Automatic Bottle Cleaning Brushing Machine - Semi-Automatic Bottle Cleaning Brushing
- The Air Jet Bottle cleaning machine is suitable for cleaning bottles with compressed air and vacuum for dust collection,
- Manual Air Jet cleaning suitable for each individual Bottle/Jar by compressed air jet & vacuum suction system.
- Air Rinsers provide an efficient way to safely remove dust and small particles from containers before filling
- Suitable for different bottle sizes are easily change over with customized bottle format change part..
- Design as per cGMP – Current Good Manufacturing Practices compliance
- High capacity blower suck the minute particle from bottle, ensure good cleaning of bottles.
- This machine works on a principle of back pressure of Bottle which will be fed by the unscramble to reach separator assembly.
- Made from AISI 304 and diverter assembly EDPE.
- GMP model with qualification documents (IQ,OQ,DQ & MOC certificates)

20. BURN SEAL VERIFICATION SYSTEM-

- Online inspection of the seals of all the bottles, containing tablets, capsules, liquid or powder
- The systems can detect defects like incomplete seals or contaminated seals
- Eliminate human intervention entirely redundant as caps / lids need not be opened at all.
- Entire construction of stainless steel and hard anodized grade aluminum.
- Suitable for different bottle sizes are easily change over for different type of bottle with any change parts
- Customized Length and height can be design as per customer requirement.
- Detection and rejection with pneumatic rejection mechanism with rejection confirmation sensor
- Our Burn seal system offer several advantages, including improved quality , increased efficiency,, reduced labor costs, and enhanced productivity.
- Made from AISI 304 and diverter assembly EDPE.
- GMP model with qualification documents (IQ,OQ,DQ & MOC certificates)

21. ONLINE PRINTING SYSTEM

- Online printing machine is a versatile and reliable option for printing high-quality labels, Batch Coding, MRP, expiry date & batch numbers,
- The ability to print on various surfaces, such as bottles, boxes and carton, it is ideal solution for Pharmaceutical, Food, Beverages and Cosmetics industries
- Built-in pneumatic rejection mechanism system with rejection confirmation sensor
- Stainless steel (SS304) Conveyor belt with food grade conveyor belt and SS rolling shaft
- Equipped with variable frequency drive for smooth speed control and interlock with product movement.
- User friendly operation - the easy to use touch screen & user interface reduces the chance of printing errors
- Automatic online printing systems can utilize either solvent-based or water-based inks.
- A versatile portfolio of end-of-line box printing solutions that create high quality compliant codes on corrugated cases, ensuring advanced traceability of cases throughout the entire supply chain.
- Customized Length and height can be design as per customer requirement.

19. NITROGEN PURGING SYSTEM

- Automatic nitrogen purging system to remove unwanted substances, like oxygen, moisture, or other gases, from enclosure.
- Automatic Control Panel having various control of the System like Pressure and Flow.
- Automatic control panel consist of PLC and desire safety interlock
- The system has include Low pressure interlocking facility and Low pressure interlocking facility
- Customized system can be design as per user requirement and product demand
- Stainless steel (SS304) structure for corrosion free, wear and tear and long life durability.
- The system designed for No bottle no nitrogen purging take place.
- Easy tool free height and width adjustments facility .

20. BOTTLE SEPARATOR

- Bottle Separators disk create desire gape between two bottle and maintained uniform distance between individual containers.
- Disc and belt type separators are available in single and dual models.
- The separator can also be used to move containers across dead plates between conveyors.
- Silicon roller disk used to avoid any scratch on during transfer of bottle.
- Easy adjustment of separator movement by sliding blocks and knob.
- Speed can be control by Variable frequency drive (VFD)
- Increased production efficiency, improved product quality, and reduced labor costs
- Stainless steel (SS304) structure for corrosion free, wear and tear and long life durability.
- Customized system can be design as per user requirement and product demand.

24. ALUMINIUM PROFILE SECTIONS WITH ACRYLIC COVER

- Aluminum profile sections offer several advantages they are lightweight, resist corrosion, and can be easily shaped and joined for various applications, including construction, furniture, and machine covers.
- Aluminum is a lightweight metal, making it easy to handle and install, while also being strong and durable enough to withstand various loads.
- Aluminum naturally forms a protective oxide layer that resists corrosion, making it suitable for outdoor and harsh environments.
- Different shape of profile will provide flexible shape and design with authentic look.
- They are incorporated as structural members or elements to support machines or even to optimize the weight of equipment
- These profiles are also important for the construction of workbenches, racks, and storage systems in the workshops due to their easy assembly and further adjustments.
- Aluminum profile sections can be design along with Polycarbonate/Acrylic cover for any equipment guard cover.
- Customized design can be assembled with Aluminum section and Polycarbonate/Acrylic sheet.