



Innovating Machinery Empowering Industries

Oral Solid Doses Machines





Welcome to XTECHNOCRAT



Xtechnocrat is a trusted name in the pharmaceutical machinery industry, driven by innovation, precision, and reliability. With a collective team experience of over 40 years, we specialize in designing, manufacturing, and delivering world-class pharmaceutical processing and packaging machinery that meets global regulatory standards.

Our commitment lies in "Smart Machine Innovation," where advanced engineering meets customer-centric design to empower pharma manufacturers worldwide.

XTECHNOCRAT is INDIA's FIRST Single Source Supplier for Pharma Machinery as Turn Key Projects & Industrial Robotics.

XTECHNOCRAT is in Manufacturing of Pharma Machines for OSD, Tube, Oral & Injectable liquid, Dry Powder, Sachet, Stick pack as Integrated Line, End of Line Solution, Industrial Automation, Industrial Robotics, Labelling Machine, Clean Room Furniture, Vision Inspection and Track & Trace Solution and Automatic Storage Solution.

Vision

To be a global leader in providing innovative, reliable, and sustainable engineering solutions that empower industries to achieve efficiency, precision, and growth.

Mission

our mission is to design and deliver world-class machinery and automation solutions with cutting-edge technology, uncompromising quality, and customer-centric service. We aim to create value through innovation, foster long-term partnerships, and contribute to the advancement of manufacturing excellence.

Objectives

- Innovation & Technology
- Quality & Compliance
- Customer Focus
- Sustainability
- Global Expansion
- People & Growth



TURNKEY PROJECTS



We specialize in delivering end-to-end pharmaceutical turnkey solutions, ensuring seamless project execution from concept to commissioning. With decades of combined industry expertise, our team guarantees precision, compliance, and innovation at every stage.

Project Includes

- Master Planning
- Unique Design
- Machine Manufacturing Facility
- Installation & commissioning
- Maintenance & Repair Services

Our Turnkey Services Include

Project Consultancy & Design

- Feasibility studies and project planning
- Conceptual, basic & detailed engineering design
- cGMP-compliant facility layout as per WHO, USFDA, EU guidelines

Facility Construction & Setup

- State-of-the-art cleanroom construction
- HVAC, water systems, and utility design
- Modular facility development

Pharma Machinery & Equipment Supply

- Granulation, coating, compression, and encapsulation lines
- Liquid, ointment, and sterile injectable plants
- Packaging, labeling, and inspection machinery



Validation & Documentation

- IQ, OQ, PQ validation protocols
- Regulatory documentation support
- (USFDA, EU GMP, WHO GMP, MHRA, TGA)
- Compliance audits & gap analysis

Automation & Smart Manufacturing

- PLC & SCADA integrated systems
- Industry 4.0 compliant manufacturing solutions
- Data integrity and electronic batch recording (21 CFR Part 11 compliant)

Training & After-Sales Support

- Operator & staff training
- Maintenance contracts and technical support
- Continuous process improvement consulting

Industries We Serve



Pharmaceutical
Manufacturing



Nutraceutical
Manufacturing



Herbal &
Ayurvedic
Formulations



Biotech &
API Facilities



Cosmetics
Manufacturing
Plant



Why Choose Us

40+ Years
of Combined Expertise

Global
Project Experience

Quality-Driven
& Cost-Effective

One-Stop
Turnkey Solutions

High Shear Mixer Granulator

XTECHNOCRAT offers state-of-the-art High Shear Mixer Granulators designed for pharmaceutical, chemical, and food industries. Our mixers are versatile, efficient, and equipped with high-speed impellers and choppers for consistent mixing and granulation.



Features

- Unique design incorporating Impeller, Granulator, Online Co-mill, Side discharge valve & dryer.
- Internal and External surfaces of Mixing Bowl, Mixing Bowl cover, Impeller, Granulator, and Discharge Chute constructed in SS 304/316L.
- Specially mounted torque sensor arrangement for critical parameters of granulation like end point determination & desired granule profile.
- Impeller Lifting Options.
- Pneumatically Operated Bottom Impeller Lifting for ease of cleaning.
- Electromechanical impeller lifting and removing mechanism.
- Hydraulically operated Lid lifting.
- Parts easy to dismantle, clean and re-assemble.
- Pneumatics pre-tubed.

Technical Specifications

XT-RMG	WORKING CAPACITY (IN LTRS)	MOTOR HP	APPROX. WEIGHT (IN KG)
XT-HSMG 10	8	2	500
XT-HSMG 25	40	10	120
XT-HSMG 75	60	15	1500
XT-HSMG 100	80	21	1700
XT-HSMG 150	120	21	2000
XT-HSMG 200	160	28	2300
XT-HSMG 250	200	38	2500
XT-HSMG 300	240	38	2500
XT-HSMG 400	320	48	3000
XT-HSMG 600	480	62.5	3500
XT-HSMG 800	640	72.5	3500
XT-HSMG 1000	800	82.5	4000
XT-HSMG 1200	960	105	4300
XT-HSMG 1400	1120	120	4500
XT-HSMG 1800	1360	140	4800

Binder Preparation Vessel

Xtechnocrat is a leading pharmaceutical equipment manufacturer that provides top-of-the-line Binder Preparation Vessels for the production of high-quality pharmaceutical products. Our Binder Preparation Vessels are designed to handle a range of applications, including mixing, homogenizing, and dispersing powders and liquids.

Technical Specifications

Model	Working Capacity (in Liters)	Motor HP	Approx. Weight (in Kg)
XT-BPV 50	35	1	100
XT-BPV 60	42	1	120
XT-BPV 100	70	2	150
XT-BPV 120	84	2	180
XT-BPV 150	105	3	200
XT-BPV 200	140	5	230
XT-BPV 250	175	5	250
XT-BPV 350	300	7.5	300



Fluid Bed Dryer

Features

- All Contact Parts Are Manufactured from AISI316
- Energy Efficient, Robust & Rigid Construction
- Operation Based On PLC Control with Advance Automation Lower Maintenance
- Top & Bottom Spray, 21CFR Compliance(Optional)
- Models UpTo 1000Kgs/ Batch Available

Fluid Bed Processor

Xtechnocrat provides cutting-edge Fluid Bed Equipment for the pharmaceutical, chemical, and food industries. Our fluid bed equipment is designed to handle a range of applications, including drying, coating, and granulating powders and pellets. Our equipment is highly efficient, featuring advanced controls and monitoring systems that ensure consistent product quality and accurate process control.

Features

- FBP suitable for granulation and drying for accurate process parameters
- Online charging from HSXT into FBP using vacuum. Inlet feed port with SS gas tight pneumatic actuated valve
- Closed loop discharged system from FBP into mill using pneumatic conveying systems
- Temperature control with a $\pm 1^{\circ}\text{C}$ (process accuracy)
- Humidity control over entire operating range $\pm 5\%$ (process accuracy)
- Process accessibility for selection on critical parameters such as inlet air temperature in drying and product temperature in top spray granulation
- System provides Alarm Log
- Technical support in critical areas of validation at different levels of scale up
- Recipe storage for auto operation

Technical Specifications

XT-FBP	Working Capacity (in Liters)	Motor HP	Blower (in CFM)	Approx. Weight (in Kg)
XT-FBP MINI (Lab Scale modular)	1	6		200
XT-FBP 10 (Lab Scale modular)	8	7.5	600	500
XT-FBP 25	20		600	1000
XT-FBP 75	60	15	900	1500
XT-FBP 100	80	15	1200	1700
XT-FBP 150	120	20	1200	2000
XT-FBP 200	160	25	2000	2300
XT-FBP 250	200	25	2000	2500
XT-FBP 300	240	30	2000	2500
XT-FBP 400	320	30	2500	3000
XT-FBP 600	480	50	3500	3500
XT-FBP 800	640	50	4500	3500
XT-FBP 1000	800	50	4500	4000
XT-FBP 1200	960	105	5000	4300
XT-FBP 1400	1120	120	5000	4500
XT-FBP 1800	1360	100	6000	4800

Octagonal Blender

Features

- Material handling through Bin charging or Vacuum charging
- Dust-free closed system in Bin charging
- Lower power consumption than other tumble blenders
- Slow speed Blender with gentle blending of dry granules and powder
- Maintenance-free design
- Rectangular opening lid with removable baffle mounted inside
- Optional inbuilt Vacuum design with no external PTS required
- Zero jerk load as machine is both dynamically and statically balanced
- Baffles are eliminated with blending profile analysis available
- Complete design engineering along with extrapolation data available
- Detailed torque calculation for the Bin loading model available
- Pneumatically actuated valves for dust-free transfers
- Bins with level sensory for automatic cutoff
- Mechanical seals on shafts for pneumatic connections
- cGMP design for ease of cleaning
- CE Certified

Technical Specifications

MODEL	Working Capacity (in Liters)	Motor HP	Approx. Weight (in Kg)
XT -UB 10 (Universal model for Lab Blenders)	Interchangeable bowl upto 7 L working capacity	1.5	500
XT -UB 20 (Universal model for Lab Blenders)	Interchangeable bowl upto 14 L working capacity	1.5	650
XT -OB 100	70	3	800
XT -OB 150	110	3	1000
XT -OB 300	210	3	2000
XT -OB 500	350	5	2600
XT -OB 750	530	5	2700
XT -OB 1000	700	5	2900
XT -OB 1200	840	7.5	3000
XT -OB 1500	1050	10	4000
XT -OB 2000	1400	15	5000
XT -OB 5000	3500	20	5000
XT -OB 8000	7000	25	5500
XT -OB 16000	11200	30	7000



Ribbon Blender

Features

- All Contact Parts Are Manufactured from AISI 316
- Unique Ribbon Design Blender for Efficient Mixing of Various Kind of Products
- Direct Material Feeding by Removal of Top Cover
- Bottom Discharge Facility of Processed Materials Through Flush Valve
- Continuous Ribbon Design for Complete Discharge of The Finished Product > Air Purge on The Side Entry Seals for Better Cross-Contamination Control



Technical Specifications

MODEL	Volume Ltrs	Main Motor	Model	Volume Ltrs	Main Motor
XTRB 500		7.5HP	RB4000		25HP
XT-RB1000	1000	10HP	RB5000	5000	25HP
XT-RB1500	1500	12.5HP	RB6000	6000	30HP
XT-RB 2000	2000	15HP	RB8000	8000	40HP
XT-RB 3000	3000	20HP	RB10000	10000	40HP

Double Cone Blender



Features

- All Contact Parts Are Manufactured from AISI 316
- All Non-Contact Parts Are Manufactured from AISI 304
- The Conical Shape at Both Ends
- Less Space Required Due to Shape
- Manual Butterfly Valve Is Provided for The Easy Discharge of Material
- Drive Through and Standard Gearbox Which Is Coupled to An Electric Motor

Technical Specifications

Model	XT-DC 100	XT-DC 200	XT-DC 300	XT-DC 400	XT-DC 600	XT-DC 800	XT-DC 1000
Gross Capacity (Ltr.)	150	300	470	615	770	1000	1500
Working Capacity (Ltr.)	100	200	300	400	600	800	1000
Discharge Height (MM)	450	450	450	450	450	450	450
Discharge Valve	100	100	200	200	200	200	200
Main Motor	2HP	3HP	5HP	5HP	7.5HP	7.5HP	10HP

V Blender



Features

- All Contact Parts Are Manufactured from AISI 316
- Minimal Maintenance & Easy To Clean.
- Minimal Attrition When Blending Fragile Granules.
- Larger Capacity Blender Available on Demand
- Easy To Load And Unload

Technical Specifications

Model	XT-VB 50	XT-VB 100	XT-VB 200	XT-VB 500	XT-VB 1000	XT-VB 1200
Gross Capacity (Ltr.)	50	100	200	500	1000	1850
Working Capacity (Ltr.)	30	55	110	280	560	1200
Main Motor	1.5HP	2HP	2.5HP	7.5HP	10HP	15HP

Roll Compactor

Technical Specifications

Model	RC 25	RC 50
Output*	2 to 5 Kgs./Hr.	20 to 60 Kgs./Hr.
Roll Size	0100mm x 30 mm	0200mm x 50mm
Roll Speed	2 to 29 RPM Variable	5 to 25RPM
Feed Screw Speed	5 to 86 RPM Variable	10 to 60RPM
Roller Motor	3HP/3 Phase	5HP/960RPM/3Phase
Feeder Motor	2HP/3 Phase	3HP/1440RPM/3Phase

Model	RC 75	RC 100
Output*	75 to 100Kgs./Hr.	100 to 250Kgs./Hr.
Roll Size	0200mm x 75 mm	0200mm x 100mm
Roll Speed	5 to 25RPM	5 to 25RPM
Feed Screw Speed	10 to 60RPM	10 to 60 RPM
Roller Motor	5HP/960RPM/3Phase	7.5 HP/960 RPM/3Phase
Feeder Motor	3HP/1440RPM/3Phase	

Model	RC 150	RC 200
Output*	100 to 350Kgs./Hr	150 to 400 Kgs./Hr.
Roll Size	0200mm x 150mm	0200mm x 200 mm
Roll Speed	5 to 20 RPM	
Feed Screw Speed	10 to 60 RPM	
Roller Motor	3HP/960RPM/3Phase	
Feeder Motor	10HP/960RPM/3Phase	

Features

- All Contact Parts Are Manufactured from AISI 316
- It Improves the Bulk Density, and Uniform
- Mixing of Material
- It Achieves Better Granulation of Sieves Analysis > It Produces Uniform Particle Size of Granules
- Various Types of Rolls Available to Achieve Maximum Bulk Density of Output
- Specially Designed Feeding System Consisting of Hopper Pre-Densifier & Variable Speed Drive Unit
- Advance Design Of The Roller to Prevent Powder Sticking on The Roll

- Pre-Compression Chamber Guides the Powder Without Any Slippage or Leakage
- To Prevent Major Accident the Roll Is Designed to Rotate Reverse & Forward When Cleaning
- Limit Switch Is Provided to Prevent Major Accident
- Main Roll Drive Is Design with Twin Shaft Gear Box
- Coupling Provided to Protect Roll Drive Unit and Perfectly Synchronizing the Roll with A Constant Torque
- Feeding Unit Can Hydraulically Lift by Hydraulic Pump Machine Speed Depends Upon Powder Characteristics for Easy Cleaning

Air Tray Dryer



Features

- All Contact Parts Are Manufactured from AISI 316
- Energy Efficient, Robust & Rigid Construction
- Highly Effective Uniform Air Re-circulating System By Low Speed Fan
- Inlet Air Filter And Damper At Inlet And Exhaust Air Damper For Air Flow Controls
- Controls Panel With Digital Temperature Controller And Process Timer Controller
- Mobile Trolleys Are Provided Which Are Used To Load And Unload
- Models Up To 500-1000 Kgs / Batch Sizes Tray Dryers Available On Request

Technical Specifications

Model	XT-TD 12	XT-TD 24	XT-TD 48	XT-TD 96
Loading capacity	12 Trays	24 Trays	48Trays	96Trays
External Dimension(WXDxH)mm	1370x530x940	1370x940x940	1980x1020x1880	3320x1900x1880
Internal Dimension in mm	840x430x840	840x860x840	1020x930x1830	1960x930x1830
No of Doors	One	One	One	Two
No of Blowers	One	Two	Two	Two
No of motors /HP3Phase/415V	1/0.5hp	1/0.5hp	1/1hp	2/1hp
Electrical Heating Load for100°C/200°C /300°C	3kw/6kw/9kw	6kw/9kw/12kw	9kw/15kw/18kw	15kw/21kw/27kw
Steam consumption	25lbs/Hr	45LBS/Hr	60LBS/Hr	80LBS/Hr
Insulation in mm 100°C/200°C/300°C	50/75/75	50/75/75	50/75/75	50/75/75
No of Trolleys	Rack System	Rack System	One	Two
Tray Size	812x406x31	812x406x31	812x406x31	812x406x31
Trolley Dimension	Fixed Racks	Fixed Racks	840x960x1780	840x960x1780

Multi Mill

- All Contact Parts Are Manufactured from AISI 316
- Drive Equipped With Reversible Switch
- Easy To Dismantle And Clean
- Castor Wheels Provided For Mobility
- Designed For Continuous Wet Or Dry Granulation
- Flameproof Electrical Components (Optional)

Technical Specifications

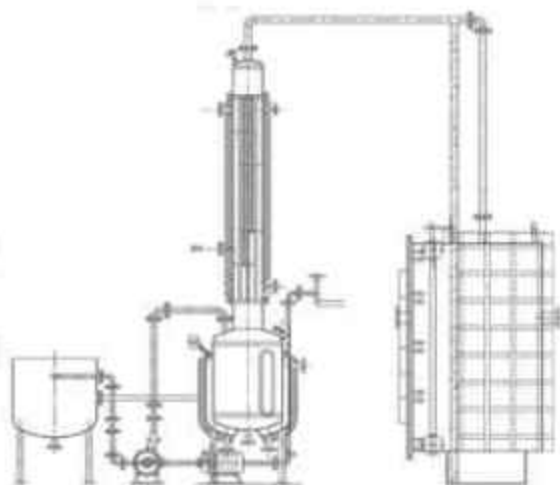
Model	MM 50	MM 100	MM 150	MM 200
Capacity	50Kg	100Kg	150Kg	200Kg
Over Flow Capacity	110Ltr	220Ltr	330Ltr	440Ltr
Working Capacity	88Ltr	156Ltr	234Ltr	309Ltr
Speed of Stirrer	35RPM	35RPM	30RPM	30RPM
Main Electric Motor	3HP	5HP	7.5HP	7.5HP



Vacuum Tray Dryer

Features

- Main Body/Vacuum Chamber SS316 with heavy-duty SS316 flange and stiffeners
- Door SS316 (dish curve shape) with heavy-duty SS316 flange
- Shelves hollow type pads SS316 with flow baffles
- Condenser (shell & tube type) and receiver (cylindrical/bottom cone type) in SS304 with isolation valve and flow glass in between to monitor condensation
- Trays (without back folding) in SS316, rounded corners and edges
- Explosion vent/rupture disc on vacuum chamber
- Digital temperature controller (FLP) with solenoid-controlled pneumatic operated valve at hot water inlet
- Provision for validation port on body
- Digital temperature indicator (FLP) at H.W. inlet & outlet
- Dial-type vacuum gauge and digital temperature indicator (FLP) in vapour line
- Pressure release valve in steam line
- View glass/light glass provided on vacuum chamber door, body, and receiver
- Silicon transparent gasket for door
- Nitrogen purging valve provided on vacuum chamber
- Vacuum break valve provided on vacuum chamber
- Drain valve for vacuum chamber and receiver



Technical Specifications

Model	XT-VTD 24	XT-VTD 36	XT - VTD 48
No of tray	24	36	48
Capacity in kg.	90-95kg	140-145kg	190-195kg
Tray size: LWH in mm	800x400x32	800x400x32	800x400x32
Tray volume in ltrs	10	10	10
No of heating shelves	13	13	17
Shelves size in mm	900x900x28	1250x830x28	1250x830x28
Distance between shelves in mm	100	100	100
Trays on each shelves	2	3	3
Condenser	2m ²	2.5m ²	4m ²
Receiver	50 ltrs	75 ltrs	100 ltrs
H.W. Distribution pipe	1½"	1½"	1½"
Door gasket (silicon food grade)	12/16mmT type	12/16mmT type	12/16mmT type

Industrial Pulverizer M.S./S.S 304



Features

Suitable For

- Coarse Grinding of all Spices, Herbs, Chemicals, Minerals, Cattle Feed, Poultry Farm, Agarbatti, etc.

Multipurpose Use For

- Hotel & Restaurant
- Catering
- Chemical Industries
- Pharmaceuticals
- Ayurvedic Gruh Udyog

Technical Specifications

PARTICULARS	5H.P.	7.5H.P.	10H.P.	15H.P.	20H.P.
POWER	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase
CAPACITY APPROX	60Kg.	80Kg.	100Kg.	170Kg.	250Kg.
CHAMBERSIZE	6x12	7x12	8x14	8x16	10x20
MOTORR.P.M.	2800	2800	2800	2800	2800
MODEL	EPBMS05	EPBMS07	EPBMS10	EPBMS15	EPBMS05

Impact Pulverizer - Screenless

Features

Suitable For

- Coarse Grinding of Haldi, Sugar, Chemicals, Pharmaceutical Products, etc.

Multipurpose Use For

- Hotel & Restaurant
- Catering
- Chemical Industries
- Pharmaceuticals
- Ayurvedic Gruh Udyog

Technical Specifications

PARTICULARS	10H.P.	15H.P.	20H.P.
POWER	Three Phase	Three Phase	Three Phase
CAPACITY APPROX	30-40Kg.	70-80Kg.	150Kg.
MOTORR.P.M.	2800	2800	2800
MODEL	VIP12	VIP16	VIP20



Mass Mixer



Features

- All Contact Parts Are Manufactured from AISI 316
- Thrust Bearings Are Provided to Carry Rigid and Thrust Load
- Interlocked Acrylic Dust Cover for Inspecting the Mixing Process
- Tilting Device Provided for Easy Unloading of Material
- Easy for Cleaning and Operating
- R&D Model from 10 to 25 Kg, Available on Customer's Demand

Technical Specifications

Model	XT- MM 50	XT-MM 100	XT-MM 150	XT-MM 200
Capacity	50Kgs	100Kgs	150Kgs	200Kgs
Overflowcapacity	110Ltrs	220Ltrs	330Ltrs	440Ltrs
Workingcapacity	88Ltrs	156Ltrs	234Ltrs	309Ltrs
Speedofstirrer	35RPM	35RPM	30RPM	30RPM
MainMotor	3HP/3 Phase	5HP/3Phase	7.5HP/3Phase	7.5/3 Phase



Vibro Sifter

Features

- All Contact Parts Are Manufactured from AISI 316
- Compact Vibratory Design for High Speed & Dust-Free Sieving
- Noiseless and Maintenance-Free Machine
- Low Power Consumption Compared to Reciprocating Vibratory System
- Easy Dismantling and Cleaning of Contact Parts
- Machine Available with Flameproof and Double/Triple Deck Options

Technical Specifications

Model	XT- VS 20"	XT- VS 30"	XT-VS 36"	XT-VS 48"	XT-VS 60"	XT-VS 72"
Screen Dia.	500mm	750mm	900mm	1200mm	1500mm	1800mm
Capacity/Hour*	20to200Kg	30to300Kg	30to325Kg	50to1000Kg	100to1500 Kg	100to2000Kg
Charging Height	1200mm	1050mm	1050mm	1050mm	1050mm	1050mm
Discharging Height	720mm	670mm	670mm	670mm	670mm	670mm
Main Electric Motor	0.5HP	1HP	1.5HP	2HP	2 HP	3HP

In Process Batch Container

Features

- Hermetically sealed intermediate Product Container
- Ergonomically designed handles and 600 angle of response for easy of material flow and handling
- PU. Wheels and an inside/outside surface finish of <0.3 Ra

Technical Specifications

Model	Working Capacity (in Liters)	Approx. Weight (in Kg)
XT-IBC 50	40	60
XT-IBC 75	60	80
XT-IBC 110	90	100
XT-IBC 130	105	110
XT-IBC 160	130	120
XT-IBC 210	170	140
XT-IBC 250	100	150
XT-IBC 310	250	170
XT-IBC 500	200	200
XT-IBC 1000	400	250
XT-IBC 1500	600	300



Colloidal Mill

Features

- All Contact Parts Are Manufactured from AISI 316
- Non-Contact Parts Are Manufactured from AISI 304
- Inline Mill – Direct Drive with VFD (Optional)
- 3-Way Valve for Re-circulation
- Flameproof Motor (Optional)

Technical Specifications

Model	XT- COM 05	XT-COM 50	XT-COM 100	XT-COM 200
Output Liter/Hour	150-1000	150-1500	200-3000	300-5000
Particle Size Reduction	5-10Microns	5-10Microns	5-10Microns	5-10Microns
Hopper Capacity	5Liter	15Liter	20Liter	30Liter
Drive Type	Belt	Belt	Belt	Belt
Main Motor	1HP	3HP	5HP	7.5HP
Charging Height	800	1200	1200	1500



Conventional Coater

Features

- All Contact Parts Are Manufactured from AISI 316
- Perforated Pan with Rabbit-Ear Type Baffles
- Spray Angle and Distance to the Tablet Bed Can Be Adjusted
- Operations Based on PLC & HMI

Technical Specifications

Model	CP 18"	CP 30"	CP 36"	CP 42"	CP 48"	CP 60"	CP 72"
Working Capacity in Liters.			75	125	200	310	520
Pan RPM (Empty/Max.)	28	28	24	24	24	12	10
Inlet Blower(CFM)	200	400	400	500	550	1000	2000
Exhaust Blower(CFM)	400	500	500	700	800	1500	3500
Heating Load	3kW	6kW	6kW	9kW	9kW	12kW	21kW
Main Drive Motor	1HP	2HP	2HP	3HP	3HP	5HP	7.5HP
Inlet Blower Motor	0.75HP	1HP	1HP	1.5HP	1.5HP	3HP	5HP
Exhaust Blower Motor	1HP	1HP	1HP	2HP	2HP	5HP	10HP



AUTO COATER



Xtechnocrat proudly presents the Autocoater — a cutting-edge solution for pharmaceutical coating processes. Our Autocoater is designed to deliver superior performance, efficiency, and consistency in coating applications. With advanced controls and precise temperature regulation, it ensures optimal coating uniformity and adherence. Its robust construction and user-friendly interface make it easy to operate and maintain. The Autocoater's compact footprint saves valuable space in your facility while offering generous coating capacity.



Features

- Compact Design
- Suitable for Both Sugar and Film Coating
- 316L Product Contact Surface
- Sealed Access Doors
- Quick Release Plenums
- High-Performance Mixing Baffles (Atomizing Air and Pattern Can Be Controlled Independently)
- Spray Nozzles Are Anti-Bearding Type
- PLC-Based HMI Recipe Control
- Fully Perforated Drum (Standard)
- WIP Available, Easy-to-Clean Modular Design
- Option of Both Fixed Drum and Interchangeable Drum Design
- Tailored Air Treatment Units Specific to the Project

Technical Specifications

Model	Capacity (in Kg)	PAN Diameter (in mm)	PAN Speed (in RPM)	PANDRIVE Motor (in HP)	AIR Capacity (CFM)
XT-AC 18	10	458	3-25	1	100
XT-AC 24	20	610	2-20	1	300
XT-AC 36	75	915	2-10	3	1200
XT-AC 48	150	1220	2-10	5	2500
XT-AC 60	350	1575	2-10	15	4500

TABLET COMPRESSION MACHINE



Single Layer Mini Press

Features

- cGMP-compliant square model
- Single rotary tablet press
- Portable and easy to operate
- Main compression force: 60 kN
- Advanced gravity feeder design
- Fixed upper punch penetration
- Equipped with AC variable frequency drive
- Aluminium turret guard
- Centrally driven mechanism through centre pillar
- Manual lubrication system
- Lower guards made of AISI 304
- Upper guards made of acrylic material
- Analog tablet counter
- Push-button machine control
- All contact parts made of AISI 316 stainless steel



Technical Specifications

Model	XT-TP I8	XT-TP I10	XT-TP I12
Number of Stations	8	10	12
Type of Tooling	D	B	BB
Max.RPM	30	30	30
Production Capacity/Hour*	14400	18000	21600
Main Compression Force (kN)	60	60	60
Max. Dia of Tablet (MM)	22	16	11
Max. of Fill (MM)	20	17	17
Main Motor Specification	3HP/1440RPM/3Phase		
Machine Dimension(MM)	480X700X1300		
Machine Weight(Kg)	380		

Mono Layer (Pilot Scale Production)

Technical Specifications

Model	XT-TP II16	XT-TP II20	XT-TP II27
Number of Stations	16	20	27
Type of Tooling	D	D	8
Max.RPM	40	40	40
Production Capacity/Hour*	38400	48400	64400
Main Compression Force(kN)	100	100	60
Max. Dia of Tablet (MM)	23	23	16
Max. Depth of Fill (MM)	20	17	17
Main Motor Specification	3HP/1440RPM/3Phase		
Machine Dimension(MM)	1000X1050X1800		
Machine Weight (Kg)	1200		



Mono & Bi Layer

(Medium Scale Production)

Features

- cGMP-compliant square model
- Double rotary tablet press
- Main compression force: 100 kN
- Advanced force feeder design
- Auto lubrication system
- Variable upper punch penetration
- Lower guards made of coated stainless steel 304
- Upper guards made of acrylic material
- Main motor & force feeder speed control through ACVFD
- Aluminium turret guard
- 3-piece turret assembly with AISI 316 die plate
- Analog tablet counter
- Inbuilt power panel
- Push-button machine control
- Pressure roller with bearings
- All contact parts made of AISI 316 stainless steel
- *Machine speed depends on powder characteristics



Technical Specifications

Model	XT-TP III27	XT-TP III35	XT-TP III45
Number of Stations	27	35	45
Type of Tooling	D	B	BB
Max.RPM	40	40	40
Production Capacity/Hour*	129600	168000	216000
Main Compression Force(kN)	100	65	60
Max.Dia of Tablet (MM)	25	16	11
Max.Depth of Fill(MM)	20	17	17
Main Motor Specification	7.5HP/1440RPM/3Phase		
Machine Dimension (MM)	1050X1200X1800		
Machine Weight(Kg)	1400		

Technical Specifications

Model	XT-TP IV 37	XT-TP IV 4	XT-TP IV 55
Number of Stations	37	45	55
Type of Tooling	D	B	BB
Max.RPM	50	50	50
Production Capacity/Hour*	222000	270000	330000
Main Compression Force (kN)	100	65	60
Max. Dia of Tablet (MM)	25	16	11
Max. Depth of Fill(MM)	20	17	17
Main Motor Specification	10HP/1440RPM/3Phase		
Feeder Motor Specification	0.25HP/1440RPM/3Phase		
Machine Dimension(MM)	1440 X1430 X1920		
Machine Weight(Kg)	2600		



Mono & Bi Layer

(Large Scale Production)

Technical Specifications

Model	XT-TP V 45	XT-TP V 55	XT-TP V 75
Number of Stations	45	55	75
Type of Tooling	D	B	BB
Max.RPM	50	50	50
Production Capacity/Hour*	270000	330000	450000
Main Compression Force(kN)	100	65	60
Pre-Compression Force(kN)	50	30	30
Max. Dia of Tablet(MM)	25	16	11
Max. Depth of Fill(MM)	20	17	17
Main Motor Specification	15HP/1440RPM/3Phase		
Feeder Motor Specification	0.25HP/1440RPM/3Phase		
Machine Dimension (MM)	1440X1610X1960		
Machine Weight(Kg)	3800		

Mono & Bi Layer

(Large Scale Production)



Semi Automatic Capsule Filling Machine Single Loader

Model XT-SA 40



Technical Specifications

Output	25,000 to 40,000 capsules/hour.
Electrical	Loader Drive: 0.5 HP, 220 Volts, 3Ph, 50 Cycles
Auger Drive	1.5 HP, 220 Volts, 3Ph, 50 Cycles
Filling Table Drive	1 HP, 220 Volts, 3Ph, 50 Cycles
Vacuum Drive	3 HP, 220 Volts, 3Ph, 50 Cycles
Compressed Air	200 Ltr/min. (8cfm) at 100 PSI.
Vacuum	500mm (20") of Hg. At 1000 ltr./min. (30cfm)
Size	Length : 1900mm x Width : 1100mm x Height : 1560mm
Weight	Approx : 600 Kg

Semi Automatic Capsule Filling Machine Double Loader

Model XT-SA 40-2L



Technical Specifications

Output	50,000 capsules/hour
Electricals	Loader Drive: 0.5 HP, 380/440 Volts, 3 Ph, 50 Hz.
	Auger Drive: 1.5 HP, 380/440 Volts, 3 Ph, 50 Hz.
	Filling Table Drive: 0.5 HP, 380/440 Volts, 3 Ph, 50 Hz.
	Vacuum Drive: 3 HP, 380/440 Volts, 3 Ph, 50 Hz.
Compressed Air	200 Ltrs./min. (8cfm) at 100 PSI.
Vacuum	500 mm (20") of Hg. at 1000 Ltrs./min. (30cfm).
Dimensions (LxWxH)	900 min x 2000 mm x 1600 mm
Approx. Weight	13000 Kgs.



Capsule Filling Machines



	XT-AF 25T	XT-AF 40T	XT-AF 90T
Output	Upto25,000Capsules/ hour for power filling Upto23,000capsules/ Hour for pellet filling Up to 13,000 Capsules/ Tablet filling (Single tablet)	Upto40,000 Capsules/ hour for power filling Upto35,000cap sules/ Hour for pellet filling	Upto90,000 Capsules/ hour for power filling Upto80,000 capsules/ Hour for pellet filling Upto 50,000 Capsules/ Tablet filling(Single tablet)
Electric supply	415V,3Phase+N +E, 50 Hz, A.C.	415V, 3Phase +N+E, 50 Hz, A.C.	415V,3 Phase+N+ E, 50 Hz, A.C.
Main Motor	1.1kW(1.5HP)at750 rpm.	1.5kW variable speed	1.5kW(2HP)at1140 rpm.
Power feed motor		0.18 kW	
Vacuum Required (Capsule Separation)	575LP Mat 18° of mercury	1100LP Mat 26° of mercury	1100LP Mat 26° of mercury
Vacuum Required (Cleaning)	2800LP Mat 4° of mercury	2800LP Mat 4° of mercury	2800LP Mat 4° of mercury
Compressed air	140LP Mat 6kg/cm ²	200LP Mat 5-7kg/cm ²	300LP Mat 6kg/cm ²
Connected Load	1.5kW(2HP) approx. Form machine only		2.0kW(3HP) approx. Form machine only
Connected load	7.5kW (10 HP) approx. Form machine with vacuum pump, Air compressor & ADU		8.0 kW(11HP) approx. Form machine with vacuum pump, Air compressor & ADU
Dimensio ns (L x W x H)	1210mmx 955mmx 1900mm	1210mmx 955mmx 1900mm	1650mmx1290mmx2050mm
Gross weight	1000 kgs	1100 kgs	2350 kgs
Shipping Dimensions (L x W x H)	1500mmx1200mmx 2200mm	1600mmx1400mmx 2100mm	2140mmx1600mmx2200mm
Shipping weight	1200kgs Approx	1300kgs Approx	2550kgs Approx

BLISTER PACKING



Rotary Forming & Rotary Sealing

BLIX Series



Blister packaging of solid dosage products such as tablets, hard capsules and soft gelatin capsules

Features

- Production capacity upto 2500 Tablets per/min.
- Production capacity upto 250 Ampoules-Vials per/min.
- Best built quality
- Rigid Design
- Full GMP Standards satisfying with all Stainless steel cladding
- Hi-speed with smoothness & noiseless performance

Description	BLIX 1200 / 1200 XL	BLIX 2000 / 2000 XL	BLIX 2200 / BLIX 2200 XL
Packing Capacity	Up to 120Blister per Minute	Up to 240Blister per Minute	Up to 300Blister per Minute
Power	5 HP	5 HP	5 HP
Voltage	440V, 3 Phase	440V, 3 Phase	440V, 3 Phase
Maximum Packing Length in mm	116	200	216
PVC Base Film Max in mm	124	208	224
Maximum Forming Depth	12 mm / 30 mm	12 mm / 30 mm	12 mm / 30 mm
PVC Thickness in mm	0.25 to 0.35	0.25 to 0.35	0.25 to 0.35
Alu Foil Thickness	0.02mm	0.02mm	0.02mm
PRC	Optional	Optional	Optional
PLC & HMI	Optional	Optional	Optional
21 CFR Compliance	Optional	Optional	Optional
Forming Foil	PVC, PVC/PVdC, Triplex (PVC/PE/PVdC)		
Leading Foil	Push-through foil, child-resistant foil, peelable (paper)		

BLIX 2500



Technical Specifications

Description	BLIX 2500
Packing Capacity	Up to 300 Blister per Minute depends on products
Power	5 HP
Voltage	440V, 3 Phase
Maximum Packing Length in mm	204
PVC Base Film Max in mm	212
Maximum Forming Depth	12 mm
PVC Thickness in mm	0.25 to 0.35
Alu Foil Thickness	0.02mm
PRC	Available
PLC & HMI	DELTA / MISTUBISHI / Allen Bradely / Siemens
21 CFR Compliance	Optional

Features

- Production capacity upto 8 Lacs Tablets / Shift
- No Micro-Stops
- One user interface for all components
- Best built quality
- Rigid Design
- Full GMP Standards satisfying with all Stainless steel cladding
- Hi-speed with smoothness & noiseless performance

**BLIX 2500 and HC 220
as Integrated Line Available**

Flat Forming Flat Sealing Machine



FLIN Series

- Production capacity upto 7 Lacs Tablets / Shift
- No Micro-Stops
- One user interface for all components
- Best built quality
- Rigid Design
- Full GMP Standards satisfying with all Stainless steel cladding
- Hi-speed with smoothness & noiseless performance

Technical Specifications

DESCRIPTION	FLIN 175	FLIN 240	FLIN 300
Base Foil Width	175 MM	240 MM	300 MM
Base Foil Thickness	0.25 MM	0.25 MM	0.25 MM
Base Foil Material	Aluminum	Aluminum	Aluminum
Base Foil Reel Diameter	440 MM (Max)	440 MM(Max)	440 MM(Max)
Sealing Foil Width	175 MM	240 MM	300 MM
Sealing Foil Thickness	0.025 MM	0.025 MM	0.025 MM
Sealing Foil Material	Aluminum	Aluminum	Aluminum
Sealing Foil Reel Diameter	210 MM (Max)	210 MM(Max)	210 MM(Max)
Max. Packet Forming Area	165X120 MM	230X150 MM	290X150 MM
Max. Forming Depth	10 MM	10 MM	10 MM
Machine Speed Upto	35Strokes/Min.	35Strokes/Min.	35Strokes/Min.
Thermo Forming Attachment	Optional	Optional	Optional
Approximate Weight of Machine	1100 KG	2500 KG	2500 KG
Machine (Length X Width X Height) Approx	2400X850X1950 MM	2950X950X1950 MM	3250X1050X1950MM
Electrical Input	3Phase,7.5KW,50Hz, 5Wire, 2.5Sq. MM	3Phase,7.5KW,50Hz, 5Wire,2.5Sq.MM	3Phase,7.5KW,50Hz, 5Wire,2.5Sq.MM
Chilled Water Requirement	100 Liters of chilled Water/Hourat16°C Temperature		
Compressed Air Requirement	Dry Air with 6 Bar continuous Pressure (3HPCompressor-20CFM)		

FLEX Series

FLEX Mini



Flex Mini Machine Based on Flat Forming Flat Sealing, servo powered, High Speed blister packing machine. This machine is suitable for both the Cold Forming (ALU/ALU) and Thermo Forming (PVC/ALU) blister packs. This machine is suitable for Large production batches.

Technical Specifications

Packing Speed: 40 Cycles/min for Thermo-Forming. 35 Cycles/min for Cold-Forming.

Feeding System: Auto feeding system by PLC Logic with pneumatic combination.

Servo Drive Indexing: Servo web indexing by rigid PLC Logic.

Operator Interface: User friendly HMI touch screen (Human machine interface).

Pneumatic Operations: Festo make for fast response, oil free, minimum wear and tear, easy maintenance and universal availability of bought outs.

Packaging Materials

Base Material: PVC / PVC-PVDC / ACCLAR / TRIPLEX / PP / ALU-ALU (OPA).

Lidding Material: Aluminium with Heat Sealable Lacquer Coating.

Utilities Requirement

Compressed Air : 11CFM dry air having minimum pressure 6.0 kgs /cm²

Water Cooler : 120 Liter/Hour. Temp. 15 ± 2 C

Electrical Power : 6.5 KW, 415 V ± 10% , 3 Phase + N + E

Earthing Cable : Copper, 2.5 mm² (Minimum)

High Speed Blister Machine

FLEX 600



Features

Max. output per min.
up to/ fino a 600 blister

Forming cycles per min.
up to/ fino a 60 cycles

Space required
Machine length - approx. 4330 mm
Machine width - approx. 1644 mm
Machine height - approx. 2034 mm

Machine net weight
approximately 3320 Kg

Installed power 16 Kw

Inlet air pressure
6-8 bar

Average compressed air consum
200 NL/min (1 bar)

Forming Materials
PVC, PVC-PVDC, PVC-PE-PVDC,
PVC-ACLAR, ACLAR, PP, PET, COC,
TRIPLEX, TRIFLEX, TEKNIFLEX ALU

Lidding Materials
ALU, PAPER FOIL LAMINATE, PP, C R
mat.

Max. width of forming film
270 mm, 300mm

Max. forming depth
12mm, 15 mm

Specification

Compact
Only 4334 mm in length

Efficient
Stable cutting system supported with
new technology pre cutting drum

Top in quality
Equipped with Siemens PC, drives, and
brushless motors

Easy to use
15 inch operator panel with an easy and
intuitive human interface

Worker friendly
Easy access to forming film reels even
with forklift

Super fast format changing
Easy and very fast format change

Reliable
Controlled sealing unit for a perfect
sealing

Easy to clean
Extremely accessible, to ensure easy
cleaning and use

High-tech forming system
Runs with all high barrier forming film

Strip Packing Machine



About Machine

Packs a wide range of products in easily dispensable strips with economy and speed. With capacity up to 2400 tablets per minute, its automatic trouble free operation meets exacting marketing market standards. For pharmaceuticals, coated and uncoated Tablets, hard gelatine capsules, capsule, shape coated and uncoated tablets, confectionary products like lozenges, toffees and chewing gum, plastic, rubber and engineering products, buttons, pins, electronic components.

Features

- Complete GMP construction.
- Models ranging from 2 tracks to 10 tracks, 40mm to 300mm sealing width. Take off
- conveyors of different sizes to convey strips to inspection and packing tablets.
- Customized to different sizes and shapes. Machine suitable for different heat sealable
- packing laminates.
- Temperature control by thermostat or digital temp. Indicator and control panel.
- Electrical motor suitable for 415 V/ 380 V/ 3 PH/ 50 CS/ AC Supply.

Models	2 Tracks	4 Tracks	6 Tracks	8 Tracks	10 Tracks
Capacity (Tab. Per Min.)	200 - 400	600 - 800	1000 - 1200	1600 - 1800	1800 - 2000
Sealing Roller heating Load (KW)	0.5 X 2No's	0.75 X 2No's	1 X 2No's	1 X 2No's	1 X 2 No's

AUTO CARTONING MACHINE



Intermittent Cartonning Machine

**MODEL
XT-IC 120**

Sr. No.	Description	Indicative Specification	
1	Carton Type	Gluing or Tuckin 7.5°P	
	Carton Size	Minimum (mm)	Maximum (mm)
2	Width	40	150
	Height	30	100
	Length	85	200
Sr. No.	Description	Indicative Specification	
1	Booklet	Folded and pasted	
	Booklet size	Minimum (mm)	Maximum (mm)
2	Width	30	50
	Length	40	100
	Thickness	3	8
Sr. No.	Description	Indicative Specification	
1	Leaflet	Prefolded	
	Folded Size	Minimum (mm)	Maximum (mm)
2	Width	25	40
	Length	110	180



Continuous Cartonning Machine

**MODEL
XT-HC 120**

Well Suited To Handle Products
Such as Tubes, Bottles, Vials, Blisters,
Soaps, Sachets, Pouches Etc.



Features

- Continuous motion loading enables gradual and smooth product insertion.
- Safety features to protect the machine against mechanical and electrical overloads.
- Programmable operational time for key machine functions.
- HMI enables fast and easy troubleshooting of issues reducing downtime.
- Programmable user profiles to restrict HMI access based on user level.
- Variable speed drive allows to match cartonning speed with upstream equipment such as a tube filling.
- Bottle filling or labelling machine.

Technical Specifications

Carton Length	55 mm - 65 mm (2-chain machine) 65 mm - 180 mm (3-chain machine) 75 mm - 210 mm (4-chain machine)
Carton Width	20mm - 80mm
Carton Height	15mm-60mm
Carton Type	Reverse tuck-in, glued closure straight tuck-in
Carton Specification	280-350gsm (140° pre-folded)
Folded Leaflet Specifications	20-40mm Width 110-170 mm Length
Machine Speed	120 Cartons/minute
Power Consumption	~4.0 kw, 3 phase 415V, 50 Hz
Compressed Air Pressure	4.5 kg/cm2 (minimum)
Compressed Air Volume	12-18 CFM (depending on optional items)
Net Weight	~1300kg
Gross Weight	~1800kg
Machine Dimension (LxBxH)	4200mmX2060mmx2010mm (Basic Machine)

MODEL XT-HC 220



**WELL SUITED TO HANDLE PRODUCTS SUCH
AS TUBES, BOTTLES, VIALS, BLISTERS, SOAPS,
SACHETS, POUCHES ETC.**

Optional Items

- Pre-folded leaflet insertion unit, folding and insertion unit.
- Online printing or debossing with stereos.
- TIJ/CIJ printing unit with printing inspection system.
- Safety guards with/without door switch interlock.
- Transfer systems for bottles, vials, tubes, blisters etc. available.
- Barcode/ Pharmacode detection for carton and leaflet.
- CE certification of the machine.
- 21 CFR Part 11 Compliance.

Interlocks and Alarms

- No-product no-leaflet
- No-leaflet no-carton
- No-carton no-push
- Low Air pressure detection and action
- Pusher overload detection and action
- Drive overload detection and action
- Low carton/leaflet level warnings

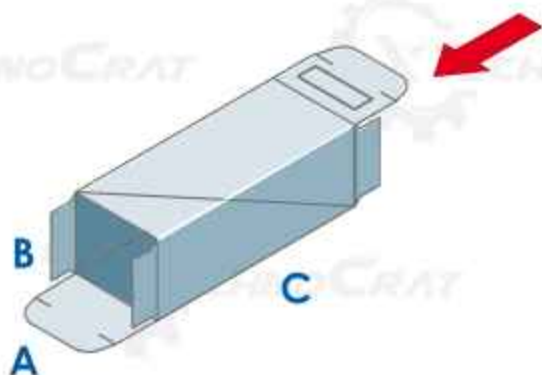
Technical Specification

Carton Length	55 mm - 65 mm (2-chain machine) 65 mm - 180 mm (3-chain machine) 75 mm - 210 mm (4-chain machine)
Carton Width	20mm - 80mm
Carton Height	15mm-60mm
Carton Type	Reverse tuck-in, glued closure straight tuck-in
Carton Specification	280-350gsm (140" pre-folded)
Folded Leaflet Specifications	20-40mm Width 110-170 mm Length
Machine Speed	200 Cartons/minute
Power Consumption	~4.0 kw, 3 phase 415V, 50 Hz
Compressed Air Pressure	4.5 kg/cm2 (minimum)
Compressed Air Volume	12-18 CFM(depending on optional items)
Net Weight	~1500kg
Gross Weight	~2200kg
Machine Dimension (LxBxH)	4000mmx2060mmx2010mm(Basic Machine)

MODEL XT-HC 320



The HC320 is a side-load, continuous motion cartoning machine suitable for automatic packaging of pharmaceutical, nutraceutical, cosmetic and food products into pre-glued cartons. It features a balcony-style design, a neat separation between electrical and mechanical sections and belt-driven mechanical movements for low-noise operation. Positive carton pick-up and forming, controlled transportation based on an adjustable belt system, and coated guides to eliminate marking on components allow smooth operation and materials handling. The extended carton magazine offers a very high loading capacity and can be moved away from the product flow area to allow full machine accessibility for maintenance and changeover. Tuck-in, hot melt or a combination of tuck-in and hot melt (tamper evident) flap closures are available.



	A (mm)	B (mm)	C (mm)
XT-HC 320	15 ÷ 90	15 ÷ 90	60 ÷ 220

	XT-HC 320
Mechanical output	300 carton/min
Power supply	230÷400V - 50Hz
Installed power	
Hot melt closure	9 kW
Tuck-in closure	3 kW
Max. air consumption	350 NI/min
Changeover time	20 min
Approx. weight	1,950 kg

Vertical Cartoning Machine



MODEL XT - VC 120

Features

- Automatic carton erection-manual product insertion.
- Automatic leaflet insertion available (optional).
- Safety features to protect the machine against mechanical and electrical overloads.
- Interlocking operation between product detection, leaflet placement, carton placement and pusher operation. If carton is not placed, the leaflet insertion shall be by-passed.
- Programmable operational time for key machine functions.
- HMI enables fast and easy troubleshooting of issues reducing downtime.
- Programmable user profiles to restrict HMI access based on user level.
- Variable speed drive allows to match cartoning speed with available human resources.
- Empty carton rejection system comes pre-installed with this machine.

Specification	Ratings	
Power Consumption	2.5 kw (approx.)	
Machine Speed	upto 120 cartons/minute	
Carton Dimension Supported	1. Length: 65-320mm 2. Width: 20-135mm 3. Height: 20-90mm	
Machine Weight	Net Weight	1200kg (Approx.)
	Gross Weight	1500kg (Approx.)
Machine Dimension (LxBxH)	4610mmx1893mmx1848mm	
Compressed Air Pressure	4.5kg/cm ²	
Compressed Air CFM	8 CFM (without leaflet unit) 12 CFM (with leaflet unit)	
Machine and Operator Safety	Safety Guards	
	Mechanical Overload Protection	
	Electrical Overload Protection	

FLOW WRAP MACHINE



Servo System @Cutter Sealer	Delta make a2 series ac servo system for cutter sealer is to high performance and high accuracy with smooth operation.
Servo System @Die Roller	Delta make a2 series ac servo system for die roller is with fully closed loop control which is essential for accurate positioning application.
Servo System @Machine Conveyor	Delta make a2 series ac servo system for machine conveyor is to reduce the effect of backlash and ensure the accuracy of positioning.
Servo System @ Feeding Conveyor	Delta make a2 series ac servo system for feeding conveyor is to reduce the effect of backlash and ensure the accuracy of positioning
I-Mark Sensor	Panasonic make i-mark sensor is with digital display along with light on/dark on mark mode mark response is 45 micro sec. OT less.
PLC	Delta make plc with 8 digital input and 8 digital output.
Temperature Controller For Heater	Die roller and cutter sealer heater will be controllable with delta make DTC temp. Controller which will be directly seatable from HMI.
HMI Display	Machine working in auto/manual mode will be done using HMI-display which in turn is programmed to be very operator friendly. All parameter of machine will be accessible from HMI. any alarm/error generated in machine will be displayed on HMI with hooter sound



Application

To Wrap any Kind of Solid Commodities Such as Biscuits, Soaps, Chocolates, Ice Candy, Chikki, Etc.



Material



Packing Type



Packing Sample

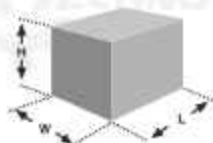
END OF LINE PACKAGING



Shrink Wrapping Machines

MODEL EASY FLEX

Semi-automatic heat-shrink packing machine with double reel. Manual loading system, particularly suitable for medium production volumes where pack sizes and formats need to be changed often.



	600	800	1100	1500
	Max*	Max*	Max*	Max*
L	400 mm	500 mm	500 mm	700 mm
H	320 mm	320 mm	400 mm	350/600 mm



MODEL LINEAR FLEX

Automatic heat-shrink packing machine with double reel. For medium and large packs, with double-ventilation S-version tunnel. Possibility of total pack closure by layering film.

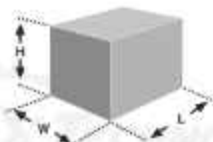


	600	800	1100	1500
	Max*	Max*	Max*	Max*
L	400 mm	500 mm	500 mm	700 mm
H	320 mm	350 mm	400 mm	350/600 mm



MODEL CORNER FLEX

Automatic heat-shrink packing machine with double reel. Electronic version fitted with thruster operated by servomotor, up to 30 packs/minute.



	600	800	1100	1500
	Max*	Max*	Max*	Max*
L	400 mm	500 mm	500 mm	700 mm
H	320 mm	350 mm	400 mm	350/600 mm



Over Wrap Machine

A robust automatic over wrapping unit—built for precision and reliability, capturing a heavy-duty industrial setup. An over wrapper applies a tight, outer film layer to packaged items—typically cartons or boxes—for protection, security, and aesthetic enhancement. The film may be plastic (cellophane, BOPP, PVC) or paper, depending on the needs for sustainability or tamper evidence



Features

- In-feed conveyors (often servo-driven) for smooth product flow
- Film unwind rollers to maintain consistent tension
- PLC touch screens for control and monitoring
- Cutters and hot plates for precise trimming and sealing
- Motors (servo or cam-driven) to manage motion and consistency

Stretch Bender

Type of Machine

High-speed stretch-bander for pharmaceutical and cosmetic industries.



Wrapping Method and Material

- Stretch-Banded. Two-reels of shrinkable polyethylene one-sheet (LDPE).
- End-of-line machine ideal for high-speed production lines.
- Balcony-style structure for easy access to key working areas.
- GMP-build quality, for most effective and efficient performance in use.

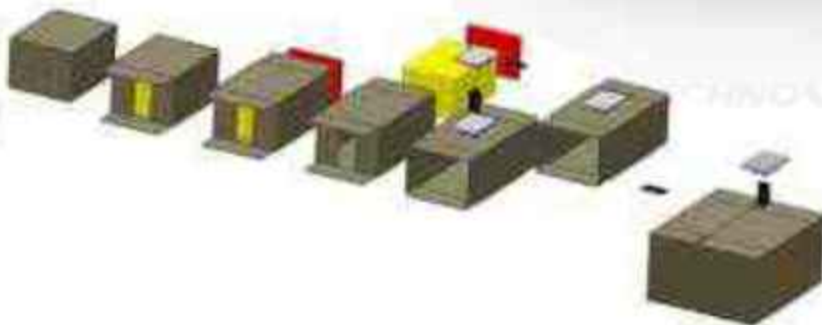
- Large use of stainless steel and has extremely compact design for best GMP.
- Pneumatic-operated or brushless-driven, according to production speed.
- Functions set and stored via touchscreen display.
- Designed mainly for bundle in stretched pack, without shrink-wrapping.

Case Packing Machine

Case erector there will be two options i.e for top opening and for side opening, the speed we can provide will be 10 to 12 cases per min

Fully Automatic & Semi Automatic

- Carton Sealing
- Password Protection
- Color Touch Screen
- Error and Emergency Indicator
- Jamming Sensor
- Glue Applicator



Side Loading



Side loading case packer can be used for pushing collation carton bundles and pouches

Top Loading



Top loading case packer can be used for the lines where the application of Pick and place, such as bottle, Cans, pouches Mono cartons and components



Carton Sealing



Password Protection



Color Touch Screen



Error And Emergency Indicator



Jamming Sensor



Glue Applicator

Dynamic Checkweigher

Our dynamic check weighers combine cutting edge weighing technology with unsurpassed weighing accuracy. All our check weigher systems are not only calibrated for quality, but also designed to excel in a variety of applications. The reliability of our check weighers redefines the standard of a weighing system and guarantees outstanding performance even at maximum speeds.

Features

- High accuracy
- No zero drift
- Application flexibility
- 100 Product memory
- Password protection
- Dynamic compensation
- Suitable for pouches / Packets / Shipper Carton
- Easy removal of conveyor platform for cleaning purpose
- Informative dashboard
- Multi-weight classification
- Inbuilt report generation
- Interlock with other machines
- Ethernet connectivity



Technical Specification

- S.S 304 frame structure.
- Designed for the control of packed goods.
- Sturdy, Flexible & Precise Design
- Reliable & Customized Design to Integrate with exis
- Weighing Cell – Imported make
- Weighing range: Customize as per requirement
- PLC & HMI based Sta
- Customize Pneuma

Taping Machinery / Adhesive Tape



Automatic Self-dimensioning Carton Sealer With Self-adhesive Tape For Top And Bottom Sealing.

Model LM-50-60-80-TAPE

Technical Features

- Power supply: Three-phase/Single-phase
- Installed power: 0,25 Kw
- Average production: 1000 boxes/hour
- Box transfer speed: ~22m/min

Semiautomatic self-dimensioning taping machine which seals With adhesive tape the upper and lower parts of uniform boxes.

Model TBR-50-60-80-TAPE

Technical Features

- Power supply: Three-phase/Single-phase
- Installed power: 0,25 Kw
- Average production: 600 boxes/hour
- Box transfer speed: ~22m/min



Automatic carton sealer with manual dimensioning and flap Closer. It folds automatically the four upper flaps and seals With auto-adhesive tape the top and bottom of batches of Uniform size.

Model LMA-52

Technical Features

- Power Supply: Three-phase/Single-phase
- Installed Power: 0,23 Kw
- Average Production: 1200 boxes/hour
- Box transfer speed: ~22m/min



Model SAVING

Technical Features

- Turntable ø 1500 mm.
- Max. Load weight: 1500 Kg.
- Max. Load dimensions: 800x1200mm.
- Load height sensing photocell.
- Wrapping height Max. 2200 mm.



Vertical Stretch Wrapping Machines

Model SMARTWRAP

Technical Features

- Turntable ø 1800 mm.
- Max. Load weight: 2000 Kg.
- Max. Load dimensions: 1000x1200 mm.
- Load height sensing photocell.
- Wrapping height Max. 2500 mm.



Model WINGWRAP

Technical Features

- Max. load dimensions: 1000x1200 mm
- Load height sensing photocell.
- Wrapping height max. 2000 mm



Model MOTION

Technical Features

- 2 AGV batteries 12 v – 110 ah serial connected.
- High frequency battery charger integrated.
- Load height sensing photocell.
- Wrapping height max. 2200 mm. (2700 mm, 3000 mm optional).



Model SMARTWRAP

Technical Features

- Turntable ø 1800 mm.
- Max. Load weight: 1500 Kg.
- Max. Load dimensions: 1000x1200mm.
- Load height sensing photocell.
- Wrapping height Max. 2300 mm*.



Model THE RING

Technical Features:

- Load dimensions: 1200 x 1200 mm.
- Wrapping height: 2200 mm
- Max. Rotation speed: 70Rpm.
- Working height: 450-550 mm
- Pre-Stretch ratio: Min 160% to Max 300%



Model EDDY

Technical Features:

- Max load dimensions: 1250 x 1250 mm
- Min load dimensions: 600 x 800 mm
- STD Wrapping height: 2100 mm
- Max. Rotation speed: LS:25 rpm, HS:30 rpm HD:32 rpm
- Working height:500 mm



Model WINGWRAP

Technical Features

- Max. load dimensions: 1000x1200 mm
- Load height sensing photocell.
- Wrapping height max. 2000 mm
- Alarm indications.



TABLET, CAPSULE COUNTING & FILLING LINE



Automatic Tablet Bottle Counting Filling Machine

XT-TCF 60/120



Feature
Unscrambler

Air Jet Cleaning
(Inverted)

Table/ Capsule
Counting & Filling

Desiccant
Feeder

Linear
Capping

Induction
Sealing

Wrap Around
Labelling

Feature

- Double head counter with a dual-track conveyor.
- Output: upto 120 Bottles Per Minute
- Easy operation and adjustment, minimal maintenance and fast products changeover.
- Operator can easily setup and adjust machine parameters from the touch screen.
- Equipped with conveying and guiding system, SME ATC 1000-TS can be perfectly integrated with your existing lines.
- Dust accumulating port is provided to secure accurate counting. (Vacuum unit is at customer's scope)
- This Series have comprehensive applications for colored capsules, transparent round softgel and coated or uncoated tablets.
- Designs meet standards of cGMP





Feature

- Separator is used to maintain timing between two containers.
- SS Pressure Gauge.
- Stationary SS nozzles.
- Positive air pressure and vacuum cleaning.
- Separate control for air pressure.
- Highly efficient blower to clean container properly.
- Manual loading and automatic unloading container.
- Easy operating system.
- Pressure switch given for setting of desired pressure.



Blister Inspection System



Features

- IPC with Touch Screen - 15" Monitor
- Windows 10 IOT operating system.
- Industrial Camera (2.3 MP) with LED Illumination
- Inspection FOV of **280 X 180 mm**
- IPC Mounting Stand, Camera Mounting & accessories: GMP enclosure for IPC, Camera, Light and other accessories.
- Microcontroller based Electronic Card for extremely fast I/O processing
- **Auto Teach** Feature for Single colour Products in Blister
- Interconnecting Electric Cables
- User-friendly GUI and simple to operate.
- Fast change of formats from the stored product recipe.
- cGMP compliant machine design
- Integration with SSR – 2 No.

Pin Hole Detector



Features

- C shape Type Pin Hole Detector with in - built Transmitter and Receiver Sensors.
- Inspection Foil Width (Fix) **Up to 260 mm**
- Power Supply - In built SMPS
- Electric cable / Connection: 8 core Cable with special connectors for TX and RX
- Display: On board 2 -line LCD display with Button Panel

Inspection/ Detection Parameters:

- Foil Fractures, Pores, Fissures on Packaging material Support Non-Transparent Metallic Packaging Materials - Aluminum Composite Foil.
- Speed Up to 1800 Meters/Hour
- Pin Hole Detection Accuracy: up to 10 Micron* Pin Hole diameter (Depends upon Foil Type and its movement)
- Detection in Horizontal and Angular direction

Integration & Rejection Logic

- Integration with existing Rejection Mechanism.
- Kevision Microcontroller card with rejection logic Program for rejection of Foil (Blister).

XT Area Scan Vision System

Technical Specification

Sensor type	CMOS, Global Shutter	CMOS, Global Shutter	CMOS, Global Shutter	CMOS, Global Shutter
Sensor Model	Sony®IMX296	Sony®IMX273	Sony®IMX249	Sony®IMX273
Resolution	1440x1080px	1440x1080px	1980x1200px	1440x1080px
Pixel Size	3.45x3.45 µm	3.45x3.45 µm	5.86x5.86 µm	3.45x3.45 µm
Sensor Size	1/2.9"	1/2.9"	1/1.2"	1/2.9"
Max. frame rate	65.2fps@1440 x 1080	249.1fps @1440x1080	39fps@1980 x 1200	224fps@1440 x1080
Interface	Gigabit Ethernet	USB3.0	Gigabit Ethernet	USB3.0
Maximum FOV @1.5mmfont size	60x45mm	60x45mm	120x85mm	60x45mm



Carton Serialization Machine



Technical Specification

- With a Trio of High-Performance Cameras
- Arrow Icon Delivers unmatched accept verification capability
- Arrow Icon Effortlessly verifies Pharma code
- Arrow Icon Accurately validates 1D Codes
- Arrow Icon Experience combination of TIJ and Laser Printing in one

Features

- Compact, cGMP-compliant machine design
- Easy to integrate within existing lines
- Suitable for both offline and online printing & inspection of 2D and OCR codes
- Online print system supports all types of thermal inkjet printers
- Accurate carton movement and high-quality printing guarantee the lowest rejections
- 21 CFR Part 11 compliant

CODING & INSPECTION SYSTEM



Thermal Inkjet Printer



Ink Management	Automatically calculate the amount of ink remaining The current information ink is expected to print the total amount and cost
Power parameters	In: AC100-240V50/60Hz Out: 32V/5A
Erection/installation	Comes with fine-tuning bracket and Anti-collision function Printer head can installed by side spraying or down spraying Free combination installation
Dust/waterproof equal diameter IP protection grade	Controllers and sprinklers with high protection level can be customized according to customers
Equipment Specifications Size and weight	Controller length width and height 28018555mm 195kg1 Printer head length width and height 12712335mm 037kg1 Power adapter length width and height 2009040mm 047kg1 Power line length width and height 1504040mm 014kg1
Database Support	PC SOFTWARE FORMAT : support MS Excel MS Access SQL2000 SQL2005 \$QL2008 and other data formats
File Import Format	FILE IMPORT FORMAT: .xls/.xlsx/.csv/.txt/table format
Printing Technology	TW for 2.5
Machine Material	Aviation grade aluminium
Screen Parameter	7 -inch capacitive touch screen (1024*800px)
Applicable Ink	Water ink / solvent ink / UV ink
Cartridge Type	12.7mm or 25.4mm Ink cartridge
Cartridge Change	Printer head can change 12.7mm or 25.4mm cartridge
Max Printer Head	4P
Max Printer Height	1P Printer head: Half inch max12.7mm 2P Printer head: Half inch max25mm 3P Printer head: Half inch max37mm 4P Printer head: Half inch max50mm
DPI	Vertical:300dpi Horizontal: 600dpi/300dpi/200dpi

Printing Speed	200*300dpi: Maximum printing speed 539m/min
	300*300dpi: Maximum printing speed 130m/min
	600*300dpi: Maximum printing speed 60m/min
Support Font Types	(Based on customer needs to add)
Printing Content	Multilingual text / Date / Graphics / Bar code / GS1 code / Two-dimensional code / Counter / Shift / Variable data (code)
Code Type	Code 39 Code128 UPCA EAN8 EAN13 Data Matrix EAN14 UPCE INT25 ITF14 Code 93 PDF417 'Aztec Code GS1-QRcode Grid Matrix Code11 Code39+ Code 16k Code 49 Flatter marken VIN NVE-18 MicroPDF417 Micro QR Code GS1 DataBar-14 GS1 Data Bar-Exp GS1 Data Bar- Ltd GS1-DataBar-Stack GS1-Data Bar-Stack-Omni GS1- Data Bar-Exp-Stack GS1-EAN128 GS1-DM (Based on customer needs to add)
External Interface	Ethernet *1 USB*4 D16-3*1 (power) D12-3*1 (Light eye) D12-4*1 (Encoder) D12-5*1 (Warning light) D12-6*1(Communication protocol) D18-22* 4 (printer head)



Packing Carton



Medicine



Furniture and wood



Food packaging



PET plastics



GS1 Data Matrix



Dynamic Security
Barcode



Multi-group printing



HD bold font



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