



Mastering Machines. Empowering Industry.



PRODUCT BROCHURE 2025.

www.fidoautomations.com

COMPANY PROFILE

Based in Indore, FIDO AUTOMATIONS is a forward-thinking machine manufacturing company committed to "mastering machines, empowering industry." We specialize in cost-effective, high-quality packaging and industrial automation machines. Our offerings extend beyond machinery to include expert panel and PLC programming, along with essential tool room services—ensuring seamless integration and peak performance. With a focus on innovation, reliability, and responsive support, FIDO AUTOMATIONS is the trusted partner for businesses aiming to boost efficiency and productivity.

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Automation isn't just about machines doing work, its about freeing human potential to create, innovate, and build the future.

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ABOUT COMPANY

At **FIDO AUTOMATIONS**, we are driven by a vision to redefine industrial automation and machine manufacturing. Headquartered in Indore, we specialize in developing high-quality, cost-effective packaging machines and a wide range of automatic industrial equipment tailored to meet modern industry demands. Guided by our motto "**Mastering Machines, Empowering Industry,**" **FIDO AUTOMATIONS** delivers more than just machines. We provide complete automation solutions. From expert panel and PLC programming to full toolroom support, we ensure seamless performance. Our focus on innovation, precision, and responsive service makes us a trusted partner for industrial growth.



CEO STATEMENT

CHIRAG CHITLANGYA

At FIDO Automation, we build the future of manufacturing. Our mission has been to deliver smarter, faster, and greener solutions—turning challenges into opportunities for intelligent automation worldwide.

“

Engineering Smarter Industries, One Machine at a Time.

COO STATEMENT

YASH SHARMA

Operational excellence drives FIDO Automation. From design to delivery, our precision-built machines and optimized processes ensure dependable performance for every client, every time.

”

Driving Industrial Excellence with Sustainable
Automation.

CFO STATEMENT

ATHARV SHARMA

Our financial focus is sustainable growth and value creation. By investing in advanced technologies and efficient processes, we deliver reliable, cost-effective, and future-ready solutions with uncompromised quality.

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Future-Ready Solutions for Tomorrow's Manufacturing.

VISION

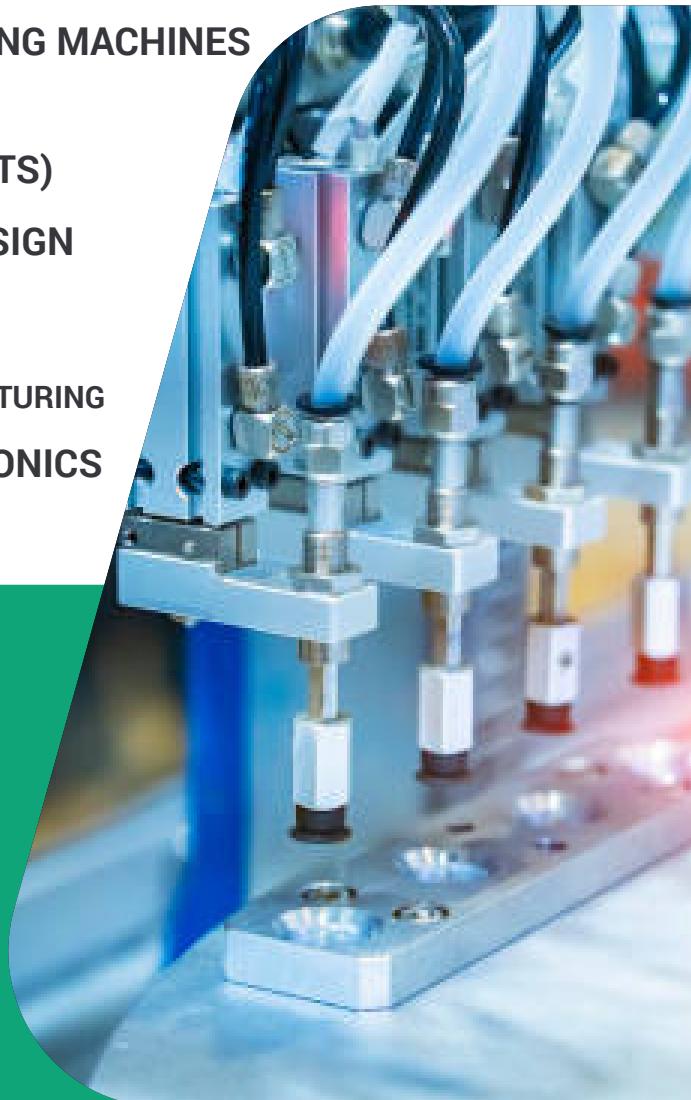
We envision a future where our cutting-edge machines power the industries of tomorrow-making manufacturing smarter, more efficient, and more sustainable. With every innovation, we strive to make manufacturing more intelligent, proficient, and environmentally responsible, ensuring that growth goes hand-in-hand with the preservation of our planet.

& MISSION

To revolutionize industrial manufacturing with intelligent, reliable, and sustainable machinery—empowering industries across the globe to achieve operational excellence while contributing to a smarter and greener future.

WHAT WE OFFER

- PACKAGING MACHINES**
- PLASTIC MOULDING MACHINE**
- VACUUM FORMING MACHINES**
- CONTROL SYSTEM DESIGN (PLC, SCADA, HMI)**
- CUSTOM MACHINERY DESIGN & FABRICATION**
- RETROFITTING OF OLDER MACHINES WITH MODERN TECHNOLOGY**
- CONVEYOR MACHINES / ASSEMBLY LINE SYSTEMS**
- BOTTLE & JAR FILLING AND LABELING MACHINES**
- MAINTENANCE, UPGRADES & AMC (ANNUAL MAINTENANCE CONTRACTS)**
- ELECTRICAL PANELS & CIRCUIT DESIGN**
 - AUTOMATION PANELS
 - LT PANELS
 - LOAD DISTRIBUTION PANELS
 - ELECTRICAL CIRCUIT DESIGN & MANUFACTURING
- TRADING OF AUTOMATION ELECTRONICS**
- TOOL ROOM SERVICES**



MACHINES

01 PACKAGING MACHINES

COLLAR TYPE MULTIHEAD WEIGHER

The FAP 110 / FAP 114 is a high-performance, fully automatic packaging machine designed for precise filling and sealing of granular and free-flowing products. Equipped with a Multi Head Weigh Filler, it ensures accuracy, efficiency, and consistent packaging quality.



TECHNICAL SPECIFICATION

MODEL: FAP 110 / FAP 114

Packing Range : 10gm to 1Kg

Filling System: (Multi head Weigh Filler) 10 & 14 Head Weigh Filler

Filling Accuracy: - / + 0.1%

Type of Sealing: Center Seal / Side Seal

Film Size: 100mm- 500mm width x 100mm-36 0mm Length

Film Roll Type :-Laminated Film in Roll Supported Film

Speed:- 45 to 60 bag /min depend on the nature of the product & Filling Range

Power :- 3 kw 230V / AC / Single Phase / 50 hz

Optional: Batch Coding Device, Batch Cutting Device, Z Elevator

Machine Size: 72" x 85" x 126" (L x W x H)

Compresses Air: 6 CFM @ 6Bar

Optional : Batch Coding Device

COLLAR TYPE EIGHT HEAD WEIGHER

The FAP 108 is a high-performance, fully automatic packaging machine designed for precise filling and sealing of granular and free-flowing products. Equipped with an Eight Head Weigh Filler, it ensures accuracy, efficiency, and consistent packaging quality.



TECHNICAL SPECIFICATION

MODEL: FAP 108

Packing Range : (50gm to 1Kg) (1kg – 5kg)

Filling System: Eight head Weigh Filler

Type of Sealing: Center Seal / Side Seal

Film Size: 250mm- 600mm width x 100mm-450mm Length

Film Roll Size :- OD 250 to 400mm max. ID film Reel Pipe 75mm

Film Roll Type :-Laminated Film

Speed:- 20 to 60 bag/min depend on the nature of the product

Power :- 5 KW

Optional: Batch Coding Device, Batch Cutting Device, Z Elevator

Machine Size: 2800mm x 1700mmx 1400mm(L x W x H)

COLLAR TYPE FOUR HEAD WEIGHER

The FAP 104 is a high-performance, fully automatic packaging machine designed for precise filling and sealing of granular and free-flowing products. Equipped with a Four Head Weigh Filler, it ensures accuracy, efficiency, and consistent packaging quality.



TECHNICAL SPECIFICATION

MODEL: FAP 104

Packing Range : (50gm to 1Kg) (1kg – 5kg)

Filling System: Four head Weigh Filler

Type of Sealing: Center Seal

Film Size: 250mm- 600mm width x 100mm-450mm Length

Film Roll Size :- OD 250 to 400mm max. ID film Reel Pipe 75mm

Film Roll Type :-Laminated Film

Speed:- 10 to 30 bag/min depend on the nature of the product

Power :- 5 KW

Optional: Batch Coding Device, Batch Cutting Device, Z Elevator

Wooden Case: 2500mm x 1200mm x 1200mm (H x W x L)

Machine Size: 2800mm x 1700mmx 1400mm(L x W x H)



COLLAR TYPE TWO HEAD WEIGHER

The FAP 102 is a compact and efficient automatic packaging machine equipped with a Two Head Weigh Filler, ideal for precise packing of free-flowing granular products. Designed for mid-range production lines, it delivers accurate and consistent pouch sealing with minimal product wastage.



TECHNICAL SPECIFICATION

MODEL: FAP 102

Packing Range : 50gm to 1Kg

Filling System: Two Head Weigh Filler

Type of Sealing: Center Seal

Film Size: 200mm-520mm width x 120mm-360mm Length

Film Roll Size :- OD 250 to 300mm max. ID Film Reel Pipe 75mm

Film Roll Type :-Laminated Film

Speed:- 8 to 14 Pouches per minute depend on the product nature

Power :-4KW Three Phase

Optional: Batch Coding Device, Batch Cutting Device,

Z Elevator

Wooden Case: 2300mm x 1100mm x 1200mm (H x W x L)

Machine Size: 2600mm x 1600mm x 1300mm (L x W x H)

SEMI PENUMATIC CUP FILLER

The FAP 201 is a compact and efficient automatic packaging machine equipped with a Volumetric Cup Filler, ideal for accurate filling of granular and semi-free-flowing products. With high filling precision and flexible sealing options, this machine is perfect for medium-speed production lines.



TECHNICAL SPECIFICATION

MODEL: FAP 201

Filling System: Volumetric Cup Fille

Filling Accuracy : +/-0.1% - +/-0.2%

Type of Sealing: Center Seal / 3 Side Seal

Filling Range : 10gm to100 / 100gm to 250gm

PLC : Delta

Contact Part : SS 304

Film Roll Type :-Laminated Film

Speed:- 25 to 40 Bag/min (Varies with the Nature of Product & Filling Range)

Power :-2.5KW

Optional: Batch Coding Device, Batch Cutting Device Gas Flushing Unit

Machine Size: 1050mm x 990mm x 1900mm (L x W x H)



MECHANICAL F.F.S. MACHINE CUP FILLER

The FAP 301 is a highly efficient automatic packaging machine equipped with a Cup Filler, designed for precise filling of small quantities of granular and powder products. Its versatility in sealing options and high-speed operation makes it ideal for businesses requiring consistent and accurate pouch filling.



TECHNICAL SPECIFICATION

MODEL: FAP 301

Capacity : 5gm to 20gm

Filling System: Cup Filler

Filling Accuracy : +/-0.1%

Type of Sealing: Center Seal / 4 Side Seal, 3 Side Seal

Film Size : 160mm-250mm X Width 140mm-200mm Length

PLC : Delta, TC : Selectron

Contact Part : SS 304

Film Roll Type :-Laminated Film

Speed:- 35 to 60 Pouch per minute

Power :-2kw Single Phase

Optional: Batch Coding Device

Machine Size: 780 x 650 x 1950mm (L x W x H)

MECHANICAL F.F.S. MACHINE PISTON FILLER

The FAP 302 is an advanced automatic packaging machine designed for liquid and semi-liquid products using a volumetric piston filling system. With high filling accuracy and versatile sealing options, it is ideal for packing products such as oils, sauces, creams, and other viscous liquids.



TECHNICAL SPECIFICATION

MODEL: FAP 302

Packing Range : 1. (2ml to 20ml) 2. (20ml to 50ml) 3. (50ml to 100ml)

Filling System: Volumetric Piston Filling

Filling Accuracy : +/-0.1%

Type of Sealing: Center Seal / 4 Side Seal, 3 Side Seal

Filling Range : Up to 100ml

Packing Material : Liquid & Semi Liquid

Film Size : 160mm-250mm X Width 140mm-200mm Length

PLC : Delta, C: Selectron

Contact Part : SS 304

Film Roll Type :-Laminated Film

Speed:- 35 to 50 Pouch per minute

Power :-2kw Single Phase

Optional: Batch Coding Device

Machine Size: 780 x 650 x 1950mm (L x W x H)

MULTI-TRACK PISTON FILLER MACHINE

The FAP 303 is a high-speed liquid and semi-liquid packaging solution designed for accurate, drip-free filling across multiple tracks simultaneously. Ideal for products like sauces, creams, gels, and pastes, it ensures uniform filling, high productivity, and reliable performance for medium to large-scale production lines.



TECHNICAL SPECIFICATION

MODEL: FAP 303

Packing Range: 2ml to 50ml (2gm to 50gm)

Filling System: Piston Filler Cup Filler

Sealing Type: Four Side Seal

Packing Material: Laminated Film

Form Size: 400mm-900mm width x 50mm-150mm length

Film Roll Size: OD-250 to 400mm max, ID film reel pipe 75mm max

Film Roll Type: Laminated Film

Speed: 50 to 100 Stock P/min (Varies with the nature of product & Filling range)

Power: 4KW 440V/AC/Three Phase

Optional: Batch Coding Device, Batch Cutting Device Auto Lubrication, GMP Model, Gas Flushing Unit Level Sensor

AUTOMATIC ROTARY POUCH PACKING MACHINE

The Automatic Rotary Pouch Packing Machine is a versatile and efficient solution for filling and sealing pre-formed pouches with powders, granules, or liquids. Featuring rotary indexing, smooth operation, and high-speed automation, it ensures accurate filling, secure sealing, and increased productivity for modern packaging lines.



TECHNICAL SPECIFICATION

MODEL: FAP 303

Packing Range: 2ml to 50ml (2gm to 50gm)

Filling System: Piston Filler Cup Filler

Sealing Type: Four Side Seal

Packing Material: Laminated Film

Form Size: 400mm-900mm width x 50mm-150mm length

Film Roll Size: OD-250 to 400mm max, ID film reel pipe 75mm max

Film Roll Type: Laminated Film

Speed: 50 to 100 Stock P/min (Varies with the nature of product & Filling range)

Power: 4KW 440V/AC/Three Phase

Optional: Batch Coding Device, Batch Cutting Device, Auto Lubrication, GMP Model, Gas Flushing Unit, Level Sensor

SEMI-PNEUMATIC SERVO AUGER FILLER

The FAP 401 is a high-precision powder filling solution designed for consistent and accurate dosing of free-flowing and non-free-flowing powders such as flour, spices, protein powders, and chemicals. Powered by a servo-driven auger system, it ensures precise weight control, minimal wastage, and smooth, vibration-free operation, while its semi-pneumatic design provides stable filling performance.



TECHNICAL SPECIFICATION

MODEL: FAP 401

Filling System: Servo Auger Filling

Filling Accuracy: +/- 1 to 2% (depends on product nature)

Sealing Type: Center Seal / 3 Side Seal

Filling Range: 50gm to 500gm

Packing Material: Sticky Powder

Bag/Pouch Size: W-100 to 360mm, L-80 to 130mm

Machine Size (HxWxL): 2500mm x 800mm x 900mm

Wooden Case Size (HxWxL): 2650mm x 1000mm x 1000mm

PLC: Delta / Fuji

Contact Part: SS 304

Power: 220V AC Single Phase and Three Phase

Optional Features: Batch Coding Device, Screw Conveyor

COLLAR TYPE FULLY PNEUMATIC SERVO AUGER FILLER

The FAP 402 The is an advanced powder packaging solution designed for high-speed, precise, and fully automated operations. Equipped with a servo-driven auger system, it delivers accurate dosing of free-flowing and nonfree-flowing powders such as flour, coffee, spices, protein powders, and chemicals, ensuring consistent weight control with minimal product wastage. Its collar-type bag forming system allows the creation of pillow, gusseted, or custom pouch styles, while the fully pneumatic mechanism ensures smooth, vibration-free, and reliable operation.



TECHNICAL SPECIFICATION

MODEL: FAP 402

Filling System: Servo Auger Filling

Filling Accuracy: +/- 0.1% Depend upon nature of product

Sealing Type: Center Seal

Filling Range: Up to 1000gm

Packing Material: Sticky Powder

Film Role 100 To 400mm-Width x 80mm to 240mm-Length

Speed Capacity: 30 to 45 Pouch per minute

Machine Size: 2500mm x 900mm x 1000mm (HxWxL)

PLC Delta/Fuji

Contact Part SS 304

Power: 440v Three Phase

Optional Batch Coding Device, Batch Cutting Device Screw Conveyor

COLLAR TYPE SERVO BAGGER SERVO AUGER FILLER

The FAP 403 is a high-performance, fully automated powder packaging machine designed for precision filling and efficient bagging operations. Combining a servo-driven auger filler with a servo-controlled collar-type bagger, it ensures accurate dosing of free-flowing and non-free-flowing powders such as flour, coffee, spices, protein powders, and chemical powders, while maintaining consistent weight control and minimal product wastage.



TECHNICAL SPECIFICATION

MODEL: FAP 403

Packing Range: 1. (100gm to 500gm) 2. (500gm to 1000gm)

Filling System: Servo Auger Filler

Type of Sealing: Center Seal

Film Size: 180mm-520mm Width x100mm-360mm Length

Film Roll Size: OD 250 to 300mm max, ID Film reel Pipe 75mm

Film Roll Type: Laminated Film

PLC: Delta/ Fuji

Speed: 40 to 60 PPM Depend On The Product Nature & Weight

Optional: Batch Coding Device, Batch Cutting Device, Screw Conveyor.

COLLAR TYPE SERVO BAGGER

SERVO AUGER FILLER

(HIGH SPEED)

The FAP 404 is a high-performance powder packaging machine designed for fast, precise, and efficient operations. Featuring a servo-driven auger and collar-type bag forming system, it delivers accurate dosing of free-flowing and non-free-flowing powders like flour, coffee, spices, protein powders, and chemicals, while minimizing wastage. Its high-speed servo technology ensures smooth, vibration-free operation, and the durable stainless-steel construction with user-friendly controls makes it ideal for industries requiring reliable, high-productivity packaging solutions.



TECHNICAL SPECIFICATION

MODEL: FAP 404

Packing Range: 5gm to 50gm

Filling System: Servo Auger Filler

Type of Sealing: Center Seal

Film Size: 120mm-250mm Width x 80mm-200mm Length

Film Roll Size: OD 250 to 300mm max. ID Film Reel Pipe 75mm

Film Roll Type: Laminated film

Speed: 60 to 90 Pouches Per Minute Depend On The Product Nature

Power: 5 KW Three Phase

Optional: Batch Coding Device, Batch Cutting, Device, Screw Conveyor

MECHANICAL HORIZONTAL FLOW WRAP

The FAP 501 is a versatile Mechanical Horizontal Flow Wrap Machine designed to efficiently package products like chocolates, biscuits, and other small consumer goods. Whether you prefer automatic or manual operation, this machine ensures smooth, high-speed packaging with a pillow-type center seal, delivering high-quality and consistent results.



TECHNICAL SPECIFICATION

MODEL: FAP 501

Filling System: Automatic/ Manual

Type of Sealing: Center Seal (Pillow Type)

Packing Material : Chocolate, Biscuit Etc.

Film Size : 160mm-250mm X Width 140mm-200mm Length

Film Roll Type :-: Laminated film in roll supported film E.g.. Aluminum Foil Pe, PP

Speed:- Approx 40 to 120 pouches/ min(Depend upon the Packet size)

Power :-Motor 1.5 HP DC with DC drive 220V / single Phase, Load -3kw

Optional: Batch Coding Device

Machine Size: 1080mm x 1700mm x 1800(approx..)

HORIZONTAL FLOW WRAP MACHINE (HIGH SPEED)

These Horizontal Flow Wrap Machines are designed to provide high-quality and efficient wrapping for a variety of products, from snacks to small consumer goods. Each model offers a specific set of features, making them suitable for different packing requirements based on bag size, speed, and product dimensions.

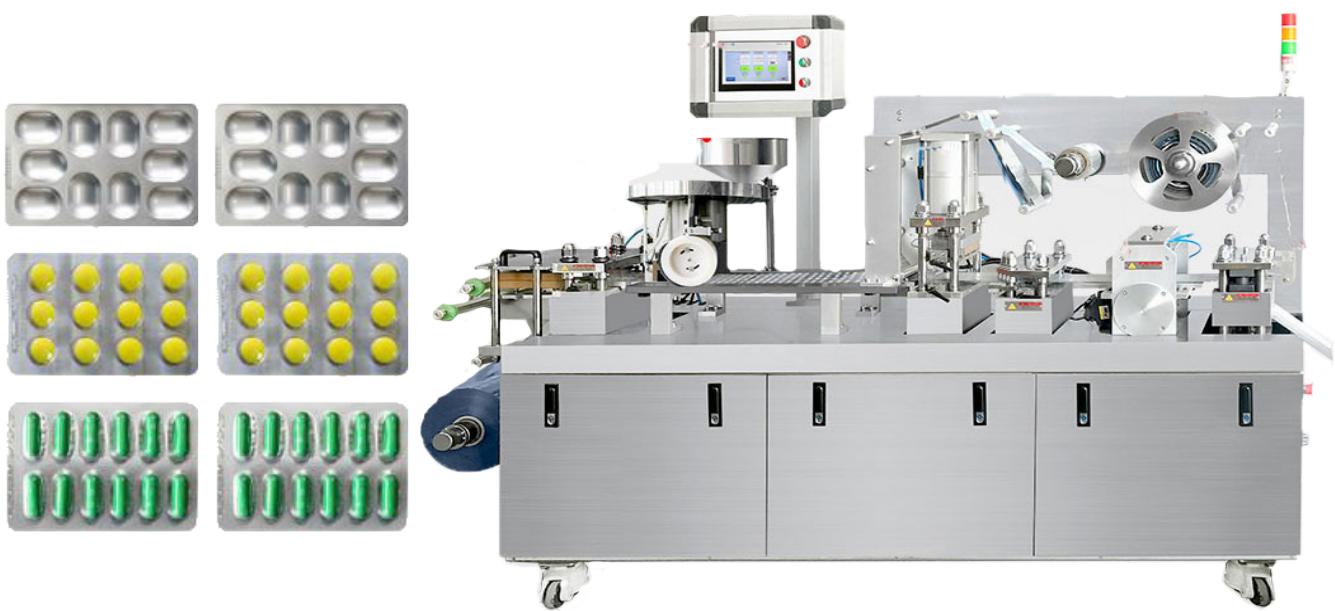


TECHNICAL SPECIFICATION

Model	FAP 502	FAP 503	FAP 504
Max Film Width	250mm	320mm	450mm
Bag Length	65mm – 190mm 120mm – 280mm	120mm-280mm 130mm-450mm	65mm-190mm
Bag Width	30mm-110mm	50mm-160mm	60mm-220mm
Max Product Height	40mm 55mm	40mm 55mm	80mm
Speed	40-230 PPM	40-230 PPM	30-180 PPM
Power	MOTOR 1 H.P 2.5KW SINGLE PHASE	MOTOR 1 H.P 2.5KW SINGLE PHASE	MOTOR 1 H.P 2.5KW SINGLE PHASE
Machine Size	1800mm L 1000mm W 1360mm H	1800mm L 1000mm W 1360mm H	1800mm L 1000mm W 1360mm H

TABLET BLISTER PACKING MACHINE

This FAP 501 Tablet blister packaging machine (4200 plates / hour) which is modularized at the core parts of high-tech design, has been used in much countries and regions and areas for decades. The special functions and the unusually long using time are deeply loved by international and by the foreign customers. It 160R is equivalent to a very good expert in this professional field.



TECHNICAL SPECIFICATION

Model:- FAP 601

Blanking:- 20~50 times/min

Production Capacity:- 1200-4200 plates/h

Max. Shaping Dia. And Depth:- 130*100*15mm Max. Depth:- 26mm (custom-made)

Standard Travel Range:- 40~110mm

Standard Plate:- 80*57mm

Power of Main Motor:- 1.5kW

Total Power:- 3.78kW

Power:- 380V/220V/50Hz

Vacuum:- 0.4MPa-0.6MPa

Thickness and Width of PVC:- 140×0.25~0.5mm

Thickness and Width of PTP:- 140×0.02~0.03mm

Dialyzing Paper:- 50~100g*150mm

Mold Cooling:- Running water or circulating water

Overall Size of Machine:- 2510×750×1450 mm

SHRINK PACKAGING MACHINE

The Shrink Packaging Machine is designed for high-efficiency shrink wrapping of various products. Ideal for products such as bottles, cans, and boxes, the machine offers precise temperature control and a compact tunnel size, ensuring consistent packaging results with minimal energy consumption.



TECHNICAL SPECIFICATION

MODEL: FAP 701

Shrink Packaging Machine

Tunnel size : 600L x 200W x 150 H

Temperature : 0-300C

Power Consumption : 3 kw

Running load : 2kw

Tunnel Window Size : (8 x 6)

MODEL: FAP 702

Tunnel size : 800mm L x 400mm W x 250mm H

Packing speed : 4-10 packs/min

Power Consumption : 7.5 kw

Running load : 3.5kw

Tunnel Window Size : (16 x 8)

MODEL: FAP 703

Shrink Packaging Machine

Tunnel size : 800 L x 400 W x 200mm H

Convery speed : 0-10m/min

Power Consumption : 5 kw

Running load : 3kw

Tunnel Window Size : (16 x 8)

L- BAR SEALER FOR SHRINK PACKAGING MACHINE

The FAP 604 L-Bar Sealer is designed to efficiently seal shrink films around products for shrink wrapping applications. This machine features a reliable electric power source and delivers consistent sealing performance for packaging a wide variety of products. Ideal for medium to high-volume packaging operations, the ST201 L-Bar Sealer model ensures high-quality seals and a quick turnaround time.



TECHNICAL SPECIFICATION

MODEL: FAP 704

I- bar sealer for shrink packaging machine

Sealing Size : 400 mm W X 800 mm L X 200 H mm

Sealing Dimension : 500 x 450 mm

Power Source : Electric

Voltage : 110V/220V

Frequency : 50 H

Capacity: 25-30 Pieces per minute

SEMI AUTO & AUTOMATIC SLEEVE WRAPPER + SHRINK TUNNEL

The FAP 605 (Pneumatic) is a versatile semi-automatic and automatic sleeve wrapper equipped with an integrated shrink tunnel, designed to provide high-speed, consistent, and efficient shrink wrapping for a wide range of products. Whether you're wrapping bottles, boxes, or other consumer goods, this machine ensures reliable packaging with a variety of shrink films.



TECHNICAL SPECIFICATION

MODEL : FAP 705 (PNEUMATIC)

Semi Auto & Automatic Sleeve Wrapper + Shrink Tunnel

Power : 1.8 kw

Capacity : 0-6 packing /minute

Air Source Supply : 170L/min 0.3-0.5 MPA

Width/Thickness of the film : Max 550mm/0,03-0.25mm

Min. Packing Dimension : 250x60x60mm

Machine Size : 1020x830x1980mm

Conveyer Drive Size : 900x410x400mm

Shrink film : PE,POF,PVC,PP

SEMI AUTO & AUTOMATIC SLEEVE WRAPPER + SHRINK TUNNEL

TYPE 2

The FAP 606 is a versatile semi-automatic and automatic sleeve wrapper equipped with an integrated shrink tunnel, designed to provide high-speed, consistent, and efficient shrink wrapping for a wide range of products. Whether you're wrapping bottles, boxes, or other consumer goods, this machine ensures reliable packaging with a variety of shrink films.



TECHNICAL SPECIFICATION

MODEL: FAP 706

Semi Auto & Automatic Sleeve Wrapper + Shrink Tunnel

Power : 3 kw

Capacity : 0-10 packing /minute

Air Source Supply : 250L/min 0.4-0.6 Mpa

Width/Thickness of the film : Max 550mm/0,03-0.25mm

Min. Packing Dimension : 250 x 60 x 60mm

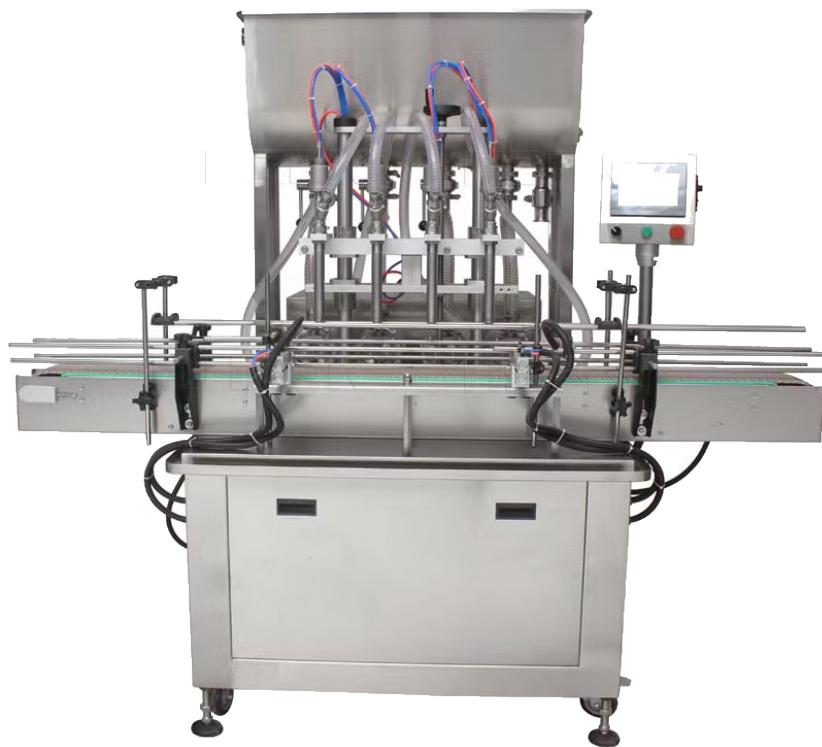
Machine Size : 1020 x 830 x 1980mm

Conveyer Drive Size : 900 x 410 x 400mm

Shrink film : PE,POF,PVC,PP

4 HEAD LINEAR LIQUID FILLING MACHINE

The FAP 701 Bottle Filling Machine is designed for efficient, high-precision liquid filling in bottles of varying sizes. With customizable syringe fill ranges and reliable performance, it is ideal for industries that require quick and accurate liquid filling, such as food, beverages, pharmaceuticals, and cosmetics.



TECHNICAL SPECIFICATION

MODEL: FAP 801

Bottle Diameter: Up to 90mm*

Fill Range: 30ml to 500ml with help of Change Parts/Syringe

Accuracy: +/-1% Depending on Liquid with Single Dose

Electrical: 220 VAC Single Phase Power Supply (50 Hz)

Power: 2.0 Hp

Speed: Max. 80 Bottles per minute

Syringe Range: 10ml to 50ml, 50ml to 100ml, 100ml to 250ml and 250ml to 500ml

Conveyor Height: 800-850 mm

Overall Dimensions: 1830 mm (L) x 800 mm (W) x 1550 mm (H)P

ROTARY LIQUID FILLING MACHINE

The FAP 702 Bottle Filling Machine is designed for efficient, high-precision liquid filling in bottles of varying sizes. With customizable syringe fill ranges and reliable performance, it is ideal for industries that require quick and accurate liquid filling, such as food, beverages, pharmaceuticals, and cosmetics.



TECHNICAL SPECIFICATION

MODEL: FAP 802

Bottle Diameter: Up to 90mm

Fill Range: 250ml to 1 ltr with help of Change Parts/Syringe

Accuracy: +/-1% Depending on Liquid with Single Dose

Electrical: 220 VAC Single Phase Power Supply (50 Hz)

Power: 2.0 Hp

Speed: Max. 60 Bottles per minute

Syringe Range: 250ml to 500ml, 500ml to 750ml, 750ml, to 1 Ltr.

CAP TIGHTNER CAPPING MACHINE

The FAP 801 is a high-performance automatic cap tightener, engineered for precision and reliability in sealing bottles across various industries. With a capacity of 40 bottles per minute, it ensures consistent and efficient capping with minimal downtime.



TECHNICAL SPECIFICATION

Model : FAP 901

Capacity : 40 BPM

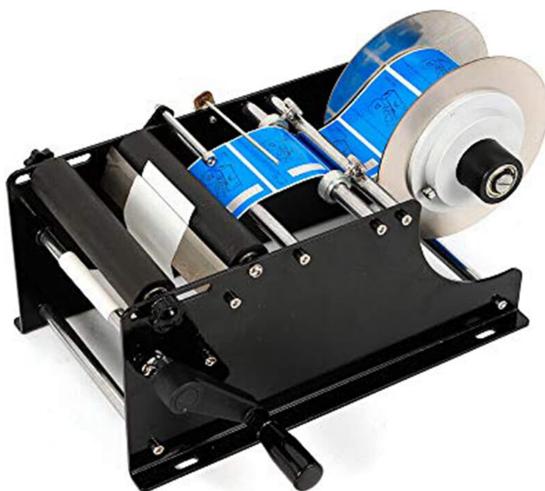
Automation Grade: Automatic

Power Consumption :3 kW

Frequency: 50 Hz

Phase: 3 Phase

STICKER LABELING MACHINE



The FAP 901 is a manual self-adhesive labeling machine designed for precise and efficient labeling on plastic and glass containers such as cans and bottles. Built with a mild steel body and stainless steel rods, it offers durability and stability in daily operations.

The FAP 902 Automatic Labeling Machine is designed for efficient and precise application of self-adhesive labels on cans and bottles. With a labeling capacity of 60 to 90 bottles per minute (depending on bottle size), it's ideal for high-speed packaging lines in various industries.



TECHNICAL SPECIFICATION

Model: FAP 1001

Product Type :Automatic Labeling Machine

Capacity: 60/90 BPM (Depends on Bottle Size)

Packing Type : cans, bottles

Rod Material : Stainless Steel

Packaging Materials : plastic, glass

Packing Type : cans, bottles

Speed : 30 times/min

Accuracy : +/-0.5 mm

Model : FAP 1002

Product Type : Manual Labeling Machine

Type : Self-adhesive labeling machine

Body Material : Mild Steel

02

VACUUM FORMING MACHINES

DESKTOP VACUUM FORMING MACHINE

The FAV 101 is a compact and efficient manual vacuum forming machine, designed for shaping a wide range of thermoplastic sheets into precise forms. Ideal for custom product manufacturing, prototyping, and small-scale production, this machine ensures consistent forming quality with high precision and uniform vacuum pressure.



TECHNICAL SPECIFICATION

MODEL: FAV 101

Forming Area mm : 430 x 280mm

Sheet Size mm : 450 x 300mm

Max Depth of Draw : 200mm

Max Material Thickness : 1 mm

Heater Type: Quartz

Heating Zones: 4

Width: 640mm | Height : 545mm | Depth : 985mm

Single Phase Power Requirements : 208-240V / 13A

Power Consumption : 2.4kW

Vacuum Pump Type: Diaphragm

Pump Flow (SCFM @ 0 in. / 60Hz)

(Pump flow m3 /h @ 0mbar / 50Hz) : 3.0 (4.9)

Mould release method: Pump exhaust.

MANUAL VACCUM FORMING MACHINE

FAV 102, is the best choice for a quick start in vacuum forming. The machine design is as simple as possible with the basic options available. At the same time the customer receives an industrial implementation of all the basic components of the machine. The machine is equipped with infrared quartz heaters, an industrial vacuum system and quality mechanics. This is the most economical series with the shortest payback period



TECHNICAL SPECIFICATION

MODEL: FAV 102

Forming Area : 660 x 2940 x 1940mm

Sheet Size : 600 x 600mm

Max Depth of Draw : 300 / 500

Max Material Thickness : 6mm

Heater Type: Quartz

Heating Zones: Varies According to Size

Width: 1220mm | Height : 1380mm | Depth : 915mm

Three Phase Power Requirements : 380V

Power Consumption : 13 to 152kW

Table drive: pneumatics

Heaters: quartz heaters

Control: LCD operator panel

Formed material: PVC, PETG, ABS, PS, etc.

Power adjustment: 5 - 50 zones

Tank: 50 - 500l and valve system

AUTOMATIC VACUUM MACHINE

A semi-automatic vacuum forming machine is a versatile and efficient piece of equipment used to create three-dimensional plastic parts. It operates by heating a plastic sheet to a pliable temperature, then using a vacuum to suck it down onto a mold. The "semi-automatic" designation means that some of the process, such as loading the plastic sheet and mold, is done manually, while the heating, vacuum, and cooling cycles are typically automated.



TECHNICAL SPECIFICATION

MODEL: FAV 103

Forming Area mm : 1000 x 1000

Sheet Size mm: 1050 x 1050mm

Max Depth of Draw : 200mm

Max Material Thickness : 1.8mm

Heater Type: Ceramic

Heating Zones: 20

Width: 4575mm | Height : 2740mm | Depth : 3604mm

Three Phase Power Requirements : 420-440V / 60A

Power Consumption : 27 kW

Vacuum Pump Type: Diaphragm

Pump Flow (SCFM @ 0 in. / 60Hz)

(Pump flow m³ / h @ 0mbar / 50Hz) : 3.0 (4.9)

Mould release method: Pump exhaust.

AUTOMATIC VACUUM FORMING MACHINE

The FPV 104 Thermoforming Machine is a high-performance, fully automatic VacuumForming designed for precision forming of plastic sheets into trays, containers, and other packaging products. this machine is ideal for high-volume production environments. It supports sheet thicknesses from 0.3 mm to 1.8 mm, and a generous forming depth of up to 125 mm, enabling the creation of deep, durable packaging formats.



TECHNICAL SPECIFICATION

MODEL: FPV 104

Forming Area mm : 500 x 500 Two 1000 x 1000

Sheet Size mm: Varis accourding to Forming area

Max Depthof Draw : 200mm

Max Material Thickness : 1.8mm

Heater Type: Cerami

HeatingZones: 30

Three Phase Power Requirements : 420-440V / 80A

Power Consumption :34 kW

Vacuum Pump Type: Diaphragm

Pump Flow (SCFM @ 0 in. / 60Hz)

(Pump flow m3 /h @ 0mbar / 50Hz) : 3.0 (4.9)

Mould release method: Pump exhaust.

SHEET VACUUM FORMING MACHINE

A Sheet Vacuum Forming Machine is a specialized industrial machine used to mold thermoplastic sheets into precise three-dimensional shapes by applying heat and vacuum pressure. This type of forming machine is designed specifically to work with individual plastic sheets (as opposed to roll-fed material), making it ideal for low to medium volume production, prototyping



TECHNICAL SPECIFICATION

MODEL: FPV 105

Forming Area (mm / inches) : 430 x 280mm /17 x 11"

Sheet Size(mm / inches) : 450 x 300mm /18 x 12"

Max Depth of Draw : 160mm / 6.3"

Max Material Thickness :*6mm / 0.25"

Heater Type: Quartz

Heating Zones: 4

Width: 640mm / 25.2" | Height : 545mm / 21.5" | Depth : 985mm / 38.8"

Single Phase Power Requirements : 208-240V / 13A

Power Consumption :2.4kW (1.6kW USA)

Vacuum Pump Type: Diaphragm

Pump Flow (SCFM @ 0 in. / 60Hz)

(Pump flow m³ /h @ 0mbar / 50Hz) : 3.0 (4.9)

Mould release method: Pump exhaust.

03

INJECTION MOULDING MACHINES

VERTICAL SCREW INJECTION MOULDING

Our FAP 101 are equipped with a vertical screw-type injection system and horizontal high-pressure hydraulic clamping for precise and consistent molding. With a large L/D ratio, they ensure homogeneous melting of all types of engineering plastics. The robust clamping force and platen parallelism guarantee flash-proof moulding, while features like a semi-microprocessor controller, shot counter, and emergency push button add efficiency and safety. Designed to be safe, reliable, low-maintenance, and low-noise, these machines deliver superior performance with long-lasting dependability.



TECHNICAL SPECIFICATION

MODEL	Unit	FAI 101		FAI 102		FAI 103		FAI 104		FAI 105		FAI 106
Screw Diameter	mm	25	30	30	35	35	40	35	40	35	40	50
Injection Pressure	kg/cm ²	1119	777	1146	842	1165	892	1165	892	1165	892	965
Theoretical Shot Volume	cm ³	49	71	95	130	155	207	202	263	298	389	638
Max. Shot Weight (PS)	gm	30	60	60	100	100	150	150	200	200	300	500
Screw Speed (Max)	rpm	0-200		0-200		0-200		0-200		0-200		0-200
No. of Temperature Control	zone	4		4		4		4		4		5
Material Hopper Capacity	liters	8		10		10		20		20		30
Clamping Force	Tons	7		10		13		18		18		25
Opening Force	Tons	1.5		2.6		3.1		4		12		11
Max. Mold Size (LxW)	mm	200 x 180		275 x 220		280 x 230		340 x 340		340 x 340		370 x 400
Opening Stroke	mm	250		300		345		425		425		590
Max. Open Daylight	mm	370		445		523		798		798		770
Ejector Force	Tons	1.3		1.3		1.3		2		2		3.9
Ejector Stroke	mm	50		70		70		70		70		100
Max. Hydraulic Pressure	bar	140		140		140		140		140		140
Oil Reservoir Capacity	liters	60		80		100		140		140		180
Pump Motor	kW	2.2		3.5		3.5		5		5		8.8
Barrel Heating Power	kW	3.2		4		5		6.1		6.1		8.3
Total Wattage	kW	5.4		7.5		8.5		11.1		11.1		17.1
Machine Weight	tons	0.8		1		1.2		1.5		1.9		2.24
Machine Dimensions (LxWxH)	m	1.3x1x2.5		1.6x1x2.8		2x1x3		2.2x1.2x3.2		2.2x1.2x3.3		2.3x1.3x3.8

TWO COLOR ROTARY INJECTION MOULDING

Our FAI 201 feature three/four station rotary table indexing with a robust four-column mould clamping system and smooth 0°–120° continuous rotation. Each unit has an independent hydraulic power pack, while moulds are supported on both the upper plate and rotary disc for high efficiency. With an advanced microprocessor controller, programmable fast-slow rotary movement, and a safety lock pin, the system ensures precision and accident-free operation. Designed for automation with robot interface, it also includes an adjustable hydraulic ejector and light curtain sensor for enhanced safety and reliability.



TECHNICAL SPECIFICATION

MACHINE MODEL	UNITS	FAI 105		FAI 201		FAI 202		FAI 203		FAI 204		FAI 205	
OPTION INJECTION SYSTEM	SERIES	I	II	I	II	I	II	I	II	I	II	I	II
	NO	SP,A	SP,A	SP,A,B	SP,A,B	A,B,C	A,B,C	B,C,D	B,C,D	C,D,E	C,D,E	D,E,F,G	D,E,F,G
Clamping Force	ton	55		90		125		170		250		350	
Clamping Stroke	mm	200		200		250		250		400		400	
Min Mold Height	mm	200 / 250		200 / 250		300 / 350		300 / 350		350 / 400		350 / 450	
Max. Open Daylight	mm	400 / 450		400 / 450		550 / 600		550 / 600		750 / 800		750 / 850	
Rotary Table Diameter	mm	680		880		980		1170		1360		1590	
Ejector Distance	mm	75		75		95		95		150		150	
Ejector Force	tons	1.3		2.7		4.6		5.4		6.2		6.2	
System Pressure	bar	140		140		140		140		140		140	
Oil Tank Capacity	L	300		350		460		510		800		1035	
Servo Electric Power	kW (HP)	6.7(9)+6.7(9)		6.7(9)+8.6(11.5)		8.6(11.5)+11.6(15.5)		11.6(15.5)+18.2(24.4)		18.2(24.4)+20.4(27.3)		20.4(27.3)+23(30.8)	
Machine Dimensions (L*W*H)	m	2.1 x 1.5 x 2.8		2.4 x 1.28 x 3.4		2.8 x 1.6 x 3.6		3.35 x 2.2 x 3.9		3.5 x 2.4 x 4.2		3.7 x 2.7 x 4.8	
Machine Weight	t	3.7		5.6		9		10		15		20	

VERTICAL SCREW TYPE INJECTION V TOGGLE CLAMPING MOULDING

Our FAI 301 feature a horizontal V design with a robust 5-point toggle clamping system for strength and precision. Equipped with PLC-controlled speed and pressure, vertical screw injection, and a center hydraulic ejector, they ensure efficient operation. A microprocessor controller, auto-lubrication, and mould memory function deliver reliability, minimal maintenance, and the lowest cycle times for modern manufacturing needs.



TECHNICAL SPECIFICATION

Model	Unit	FAI 301		FAI 302		FAI 303		FAI 304		FAI 305		FAI 306
Screw Diameter	mm	25	30	30	35	35	40	35	40	35	40	50
Injection Pressure	kg/cm ²	1119	777	1146	842	1165	892	1165	892	1165	892	965
Theoretical Shot Volume	cm ³	49	71	95	130	155	207	202	263	298	389	638
Max. Shot Weight (PS)	gm	30	60	60	100	100	150	150	200	200	300	500
Screw Speed (Max)	rpm	0-200		0-200		0-200		0-200		0-200		0-200
No. of Temperature Control	zone	4		4		4		4		4		5
Material Hopper Capacity	liters	8		10		10		20		20		30
Clamping Force	Tons	30		40		50		60		60		70
Opening Force	Tons	7.5		8.3		10		13		13		13
Max. Mold Size (L x W)	mm	240 x 240		260 x 280		280 x 280		340 x 340		340 x 340		340 x 400
Opening Stroke	mm	165		210		290		320		320		430
Min. Mold Height	mm	250		260		295		350		350		400
Max. Mold Height	mm	75		130		130		135		135		233
Max. Open Daylight	mm	415		470		585		670		670		830
Ejector Force	Tons	1.3		1.3		1.3		2		2		2
Ejector Stroke	mm	50		70		70		70		70		70
Max. Hydraulic Pressure	bar	140		140		140		140		140		140
Oil Reservoir Capacity	liters	60		80		100		140		140		180
Pump Motor	kW	2.2		3.5		3.5		5		5		8.8
Barrel Heating Power	kW	3.2		4		5		6.1		6.1		8.3
Total Wattage	kW	5.4		7.5		8.5		11.1		11.1		17.1
Machine Weight	tons	1		1.2		1.5		1.8		1.9		2.24
Machine Dimensions (LxWxH)	m	1.8 x 1 x 2.6		2 x 1.1 x 2.8		2 x 1.1 x 2.9		2.4 x 1.2 x 3		2.4 x 1.2 x 3		2.6 x 1.2 x 3.7

OTHER PARTS



10 Head Weigher

14 Head Weigher

4 Head Weigher

2 Head Weigher



Rotary Table



Output Conveyor



Inclined screw Conveyor



Timing Hopper



Working Platform



Bucket Elevator

END NOTE

At FIDO Automation, we don't just create machines—we create solutions that empower industries to thrive in a smarter, faster, and more sustainable world. Together, let's shape the future of manufacturing."

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Innovation is not just our process, it's our promise to the future of manufacturing.





Mastering Machines. Empowering Industry.

“Turning Ideas into Intelligent Machines”

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