



Precision
Engineering



Smart
Automation



Industrial
Machinery

MATRIX PRECISION WORKS

PRECISION ENGINEERING & AUTOMATION SOLUTIONS

Specializes in manufacturing advanced industrial machinery for medical device production and packaging automation. We deliver machines designed to enhance productivity and ensure consistent manufacturing performance.

ABOUT MATRIX PRECISION WORKS

MATRIX PRECISION WORKS is a specialized manufacturer of advanced industrial machinery designed for **medical device manufacturing and packaging automation industries**. With strong expertise in precision engineering and automation technology, the company develops machines that deliver high accuracy, efficiency, and reliable performance.

Our product range includes **syringe manufacturing systems, needle assembly machines, medical processing equipment, and automated packaging machinery** used across pharmaceutical, medical device, and food processing industries. It also includes **plastic injection molds ranging from 0.1 ml to 50 ml syringe molds, IV cannula molds (cold runner and hot runner), infusion set molds (vented and non-vented), and device molds**.

At **MATRIX PRECISION WORKS**, we focus on combining **innovative engineering, durable construction, and modern automation technologies** to provide machines that meet the demanding requirements of today's manufacturing environments.

Our Vision

To become a trusted global manufacturer of precision machinery and automation solutions that enhance manufacturing efficiency and product quality.

Our Mission

- To design and manufacture reliable and high-performance industrial machines
- To provide advanced automation solutions for modern manufacturing industries
- To maintain the highest standards of engineering precision and quality
- To build long-term partnerships through innovation and customer satisfaction

Core Values

- Precision Engineering
- Quality Manufacturing
- Innovation Driven
- Customer Commitment



OUR EXPERTISE

MATRIX PRECISION WORKS delivers advanced machinery and automation solutions designed to support modern manufacturing industries. Our expertise lies in developing high-performance machines that combine precision engineering, automation technology, and reliable industrial design.

We specialize in designing and manufacturing machinery for medical device production, pharmaceutical processing, and industrial packaging applications, ensuring efficiency, accuracy, and consistent product quality.



Medical Machinery

Machines designed for medical device and syringe manufacturing processes.



Industrial Automation

Automated systems that improve production speed, accuracy, and efficiency.



Packaging Machinery

Advanced packaging machines for food, pharmaceutical, and FMCG industries.



Custom Machine Solutions

Customized machinery developed to meet specific production requirements.



Vision Inspection Systems

Advanced inspection solutions for accurate defect detection and quality control.



INDUSTRIES WE SERVE

Medical Device Industry

Pharmaceutical Industry

Food Processing Industry

Industrial Manufacturing

Packaging Industry

FMCG Manufacturing

MEDICAL & PHARMACEUTICAL MACHINERY

MATRIX PRECISION WORKS manufactures advanced machinery designed for medical device and syringe production industries. Our machines are engineered with high precision and automation technology to ensure consistent product quality, efficient production, and reliable performance.

These systems are widely used in syringe manufacturing, medical component processing, and pharmaceutical production lines, meeting the strict quality standards required by the medical industry.

Soft Medical Grade PVC Extrusion Machine

Designed for manufacturing medical-grade PVC tubes used in various healthcare and pharmaceutical applications.



65 mm Screw & Barrel

High precision screw and barrel system designed for stable extrusion performance and efficient material processing.



Automatic Tube Cutting & Grinding Machine

Automated machine for high-speed, precise cutting and bevel angle grinding of medical tubes, ideal for capillary tube production for IV cannula and syringes.



AUTOMATIC NEEDLE ASSEMBLY MACHINE



MODEL NO. : MPW-AO

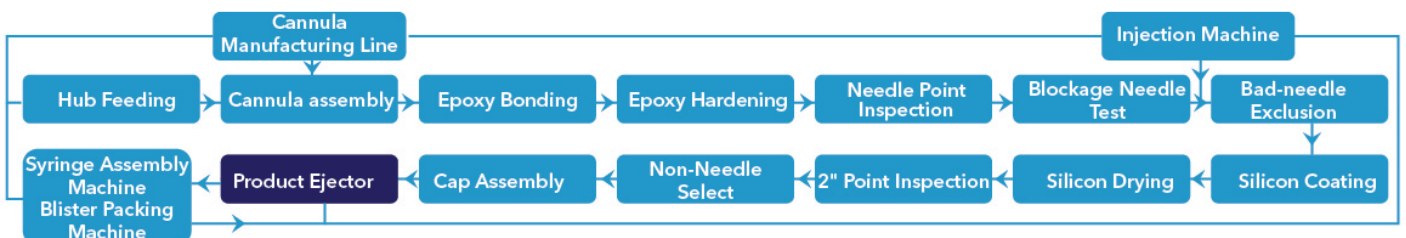
SPECIFICATION	
Dimension	8,900 × 4,000 × 2,550 (L x W x H)
Weight	About 3,000kg
Electric Power	AC 3P x 220V/380V/440V
Electric Power Consumption	20kw
Air Consumption	6kg/cm ² , 1,300Liter/Min
Product Capacity	48,000~ 52,000Pcs/Hour
No. of Worker	1~2Person

Option

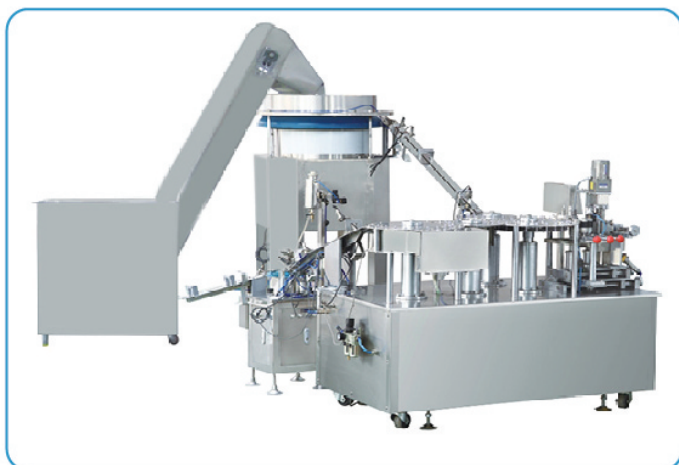
- Camera Inspection
- Silicon Cooling System

System Configuration

- Hub Feeding Part
- Corona Treatment Part
- Cannula Assembly Part
- Epoxy Bonding Part
- Epoxy Bond Hardening Part
- Needle Point Inspection Part
(Reverse Cannula & Damage Cannula Point Inspection)
- Blockage Needle Test Part
(Clogged Needle & Non-Needle Inspection)
- Bad-Needle Exclusion Part
- Silicon Coating Part
- 2nd Point Inspection Part
- Non-Needle Select Part
- Cap Assembly Part(Select Feeding)
- Product Eject Part



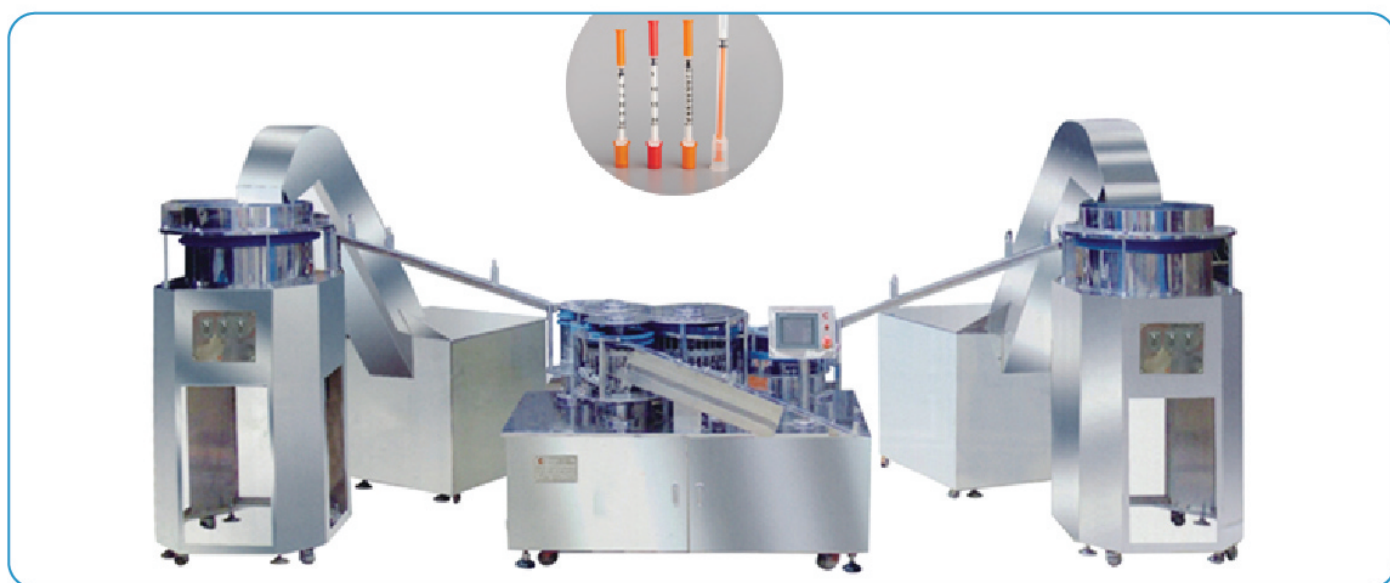
BARREL PRINTING MACHINE



MODEL NO. : MPW-BPO

SPECIFICATION	
Dimension	2,260 x 2,020 x 1,700 (L xW x H)
Weight	About 500kg
Electric Power	AC 220V/50Hz/60Hz
Electric Power Consumption	2.0kw
Air Consumption	6kg/cm ² , 150 Liter/Min
Product Capacity	15,000~ 17,000 Pcs/Hour
No. of Worker	1 Person

INSULIN ASSEMBLY MACHINE



MODEL NO. : MPW-IO

SPECIFICATION	
Dimension	9,150 × 6,750× 2,700(L xW xH)
Weight	About 4,000kg
Electric Power	AC 3P 220/380V/440V
Electric Power Consumption	20kw
Air Consumption	6kg/cm ² , 1300 Liter/Min
Product Capacity	14,000~ 17,000 Pcs/Hour
No. of Worker	4 Person

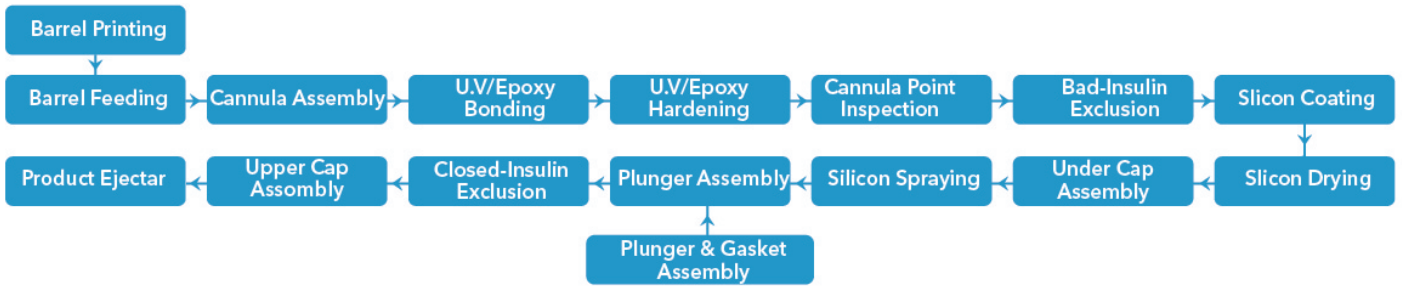
System Configuration

- Barrel Feeding Part
- Cannula Assembly Part
- U.V/Epoxy Bonding Part
- U.V/Epoxy Hardening Part
- Cannula Point Inspection
- Bad-Insulin Exclusion Part
- Silicon Coating Part
- Silicon Drying Part
- Under Cap Assembly Part
- Transfer To Another Jig
- Silicon Spraying Part
- Plunger Assembly Part
- Closed-Insulin Exclusion Part
- Upper Cap Assembly Part
- Product Ejector

Option

Silicon Cooling System

Automatic Insulin Assembly Process



PLUNGER & GASKET ASSEMBLY MACHINE



MODEL NO. : MPW-PGO

SPECIFICATION	
Dimension	1,640 x 1,380 x 800 (L x W x H)
Weight	About 400kg
Electric Power	AC 220V/50Hz/60Hz
Electric Power Consumption	2.0kw
Air Consumption	6kg/cm ² , 150 Liter/Min
Product Capacity	15,000~ 17,000 Pcs/Hour
No. of Worker	1 Person

AUTOMATIC SYRINGE ASSEMBLY MACHINE



MODEL NO. : MPW-SAO

SPECIFICATION	
Dimension	3,000 x 2,200 x 900 (L x W x H)
Weight	About 1,500 kg
Electric Power	AC 220V
Electric Power Consumption	7.5 kw
Air Consumption	6kg/cm ² , 600 Liter/Min
Product Capacity	18,000~ 20,000 Pcs/Hour
No. of Worker	2 Person

Option

- Silicon Separately Spray System
- High-viscosity Silicon Spray System

System Configuration

- Barrel Feeding : Parts Feeder, Linear Feeder
- Plunger Feeding : Parts Feeder, Linear Feeder
- Gasket Feeding : Parts Feeder, Linear Feeder
- Needle Feeding : Parts Feeder, Linear Feeder

AUTOMATIC SYRINGE PRINTING MACHINE

MODEL NO. : MPW-SPO

SPECIFICATION	
Dimension	1,770 × 1,600 × 800 (L x W x H)
Weight	About 400 kg
Electric Power	AC 220V
Electric Power Consumption	3.5 kw
Air Consumption	6kg/cm ² , 150 Liter/Min
Product Capacity	17,000~ 20,000 Pcs/Hour (3CC)
No. of Worker	1 Person

System Configuration

Barrel Feeding :Parts Feeder, Linear Feeder



BLISTER PACKING MACHINE



MODEL NO. : MPW-BPO

SPECIFICATION	
Dimension	6,250x1,100x1,800(LxWxH)
Weight	About 2,000Kg
Electric Power	AC 3P 220V/380V/440V
Electric Power Consumption	9.5 Kw
Air Consumption	6kg/cm ² , 100 Liter/Min
Main driving System	Servo Controll System
Product Capacity	14~16 Cycles/min
No. of Worker	2~3 Persons With Auto.syringe Feeding Machine 4~6 Persons Without Auto. Feeding Machine

Mold Configuration	
1 CC	20 Cavitys
3 CC	20 Cavitys
5 CC	18 Cavitys
10 CC	16 Cavitys
20 CC	12 Cavitys
50 CC	10 Cavitys

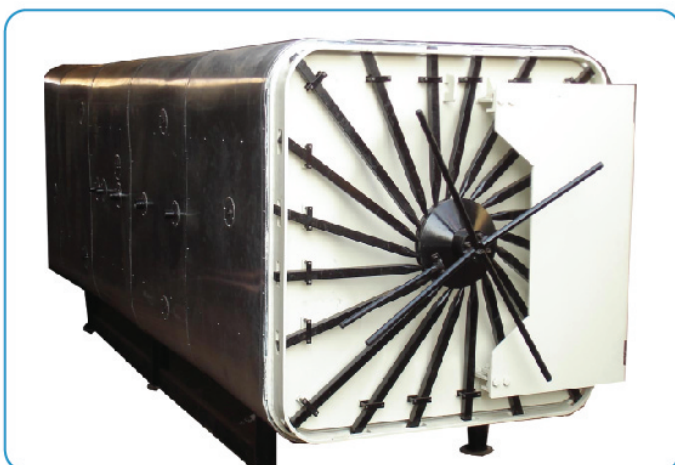
AUTO. SYRINGE FEEDING MACHINE



MODEL NO. : MPW-SFO

SPECIFICATION	
Dimension	6,400 × 1,200 × 2,450 (L x W x H)
Weight	About 1,500 kg
Electric Power	AC 3P 220V/380V/440V
Electric Power Consumption	2.5kw
Air Consumption	6kg/cm ² , 200 Liter/Min
Product Capacity	14-16 Cycles/min

E.O GAS STERILIZER (Ethylene Gas Sterilizer)



MODEL NO. : MPW-GSO

SPECIFICATION	
Inner Dimension	3,500 × 1,400×1,500 (L × W × H)
Out-put Dimension	4,200× 1,900×2,000 (L xW x H)
Weight	About 7,000Kg
Pipe-line Dimension	2,800 × 1,000× 1,800 (L xW × H)
Capacity	7m ²

POWER	Vacuum Pump	Circulation Pump	Heater Of Steam Boiler	Heater Of Hot Water	Total Power
	7.5Kw	0.4 Kw	10 Kw	10 Kw	28 Kw

DISPOSITION & MATERIA	Body	Jacket	Door	Steam Boiler Tank	Hot Water Tank
	STS304 Plate 9.0 t	Steel Plate 6.0 t	STS 304 Plate 12.0 t	STS 304 Plate 3.0 t	STS 304 Plate 2.0 t

I/V CATHETER PROCESSING LINE

Catheter Processing

Teflon Tube + Fixing Pin Assembly

Hub Assembly

Tip Forming

Flash back chamber Assembly

Upper Cap Assembly

Silicon Coating

Cannula+Tefion Tube Assembly

Cannula Assembly Processing

Cannula Bonding & Hub Assembly

Adjust Of Length,surface

Hardening



BODY ASSEMBLY SEMI-AUTOMATIC MACHINE

MODEL NO. : MPW-BAM

SPECIFICATION	
Machine Type	Semi-Automatic Assembly Machine
Configuration	2 Track x 2 Fixture
Production Capacity	500 - 600 pcs per hour
Machine Dimensions	4 ft x 4 ft

NEEDLE FIXING MACHINE (SEMI-AUTOMATIC)

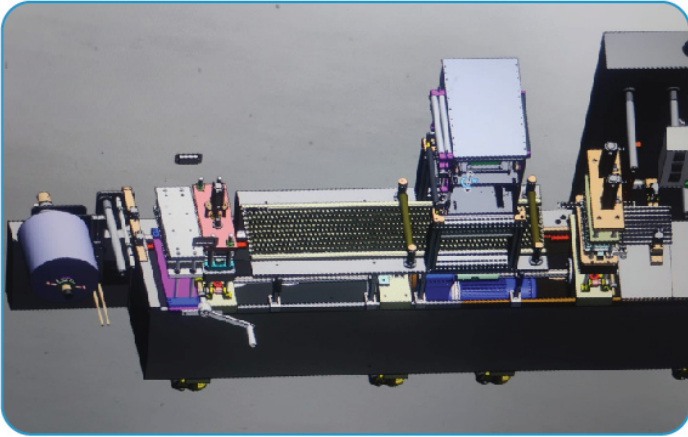
MODEL NO. : MPW-NFM

SPECIFICATION	
Machine Type	Semi-Automatic Needle Fixing Machine
Configuration	2 Fixture
Production Capacity	Up to 1200 pcs per hour
Machine Dimensions	4 ft x 4 ft



Fully Automatic IV Cannula Assembly Machine - 2 Track System

HOT BLISTER PACKING MACHINE



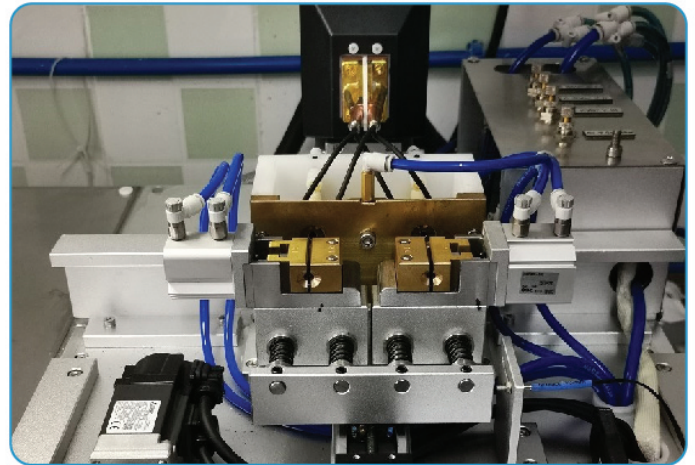
MODEL NO. : MPW-HBP

SPECIFICATION	
Machine Type	Hot Blister Packing Machine
Cavity Configuration	9 Cavity to 12 Cavity
Power Consumption	20 kW
Machine Weight	Approx. 3500 kg
Machine Dimensions	17 ft x 6 ft

TIP FORMING MACHINE

MODEL NO. : MPW-FO

SPECIFICATION	
Dimension	1,000 × 500 × 1,200 (L X W X H)
Weight	About 300 kg
Electric Power	AC 220V
Electric Power Consumption	0.5 kw
Product Capacity	800 ~ 1,000/Hour



OTHER MACHINES & SPECIALIZED SYSTEMS

We offer specialized machines designed to enhance manufacturing efficiency, precision, and seamless production integration.

Teflon Hub Connecting Machine

Designed for precise and secure connection of Teflon hubs, ensuring durability and consistency in medical component assembly.

Silicon Coating Machine

Used for uniform silicon coating on components to enhance performance, reduce friction, and improve product quality.

Inspection System

Advanced inspection systems for quality control, ensuring defect detection and maintaining high manufacturing standards.

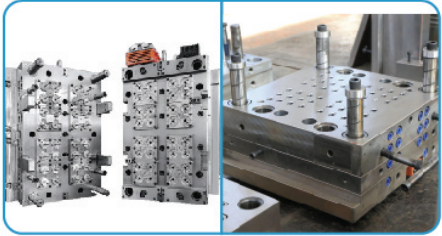
INJECTION MOLDS

MATRIX PRECISION WORKS offers high-quality precision injection molds designed for medical and pharmaceutical applications. Our molds are engineered for accuracy, durability, and consistent production performance, ensuring superior output in high volume manufacturing environments.

SYRINGE MOLDS

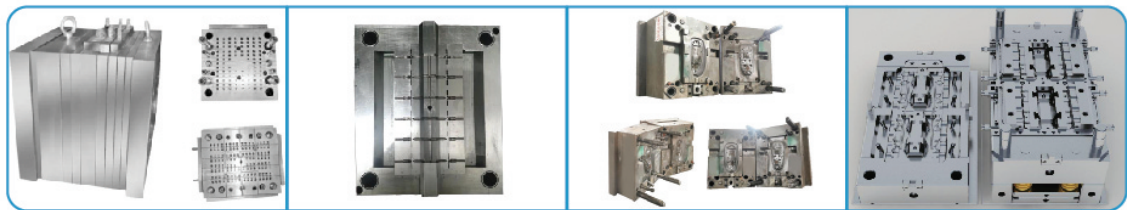
Available in Cold Runner and Hot Runner systems

Sizes:	0.1 ml	0.5 ml	1 ml	3 ml	5 ml	10 ml	20 ml	50ml
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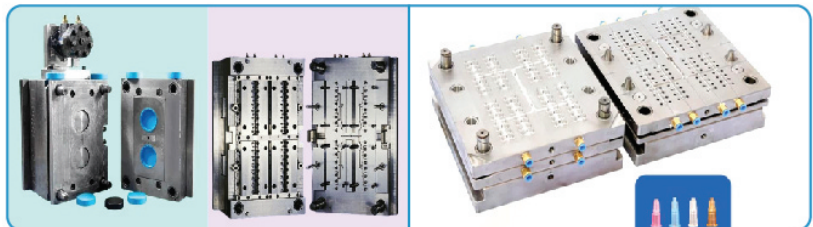
IV CANNULA MOLDS

- Wing Body Mold
- Flash Back Chamber Mold
- Teflon Holder Mold
- Needle Hub Mold
- Thread Stopper Mold



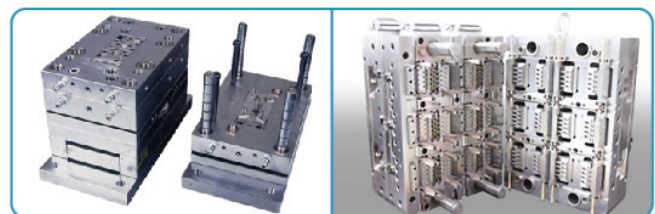
NEEDLE INJECTION MOLDS

- Needle Hub Mold - Cold Runner
- Needle Hub Mold - Hot Runner
- Needle Cap Mold 1 & 1.5 inch



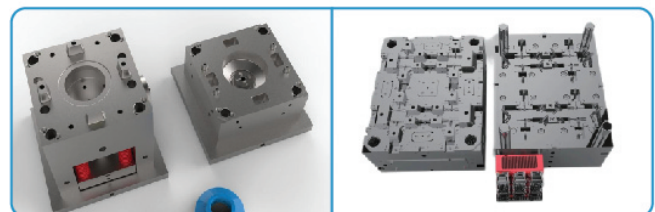
INFUSION SET MOLDS

- Chamber Mold
- Spike Cap Mold
- Spike Mold (Air vented, non air vented)
- Roller Clamp Mold
- Air vent Mold
- Body Mold



DEVICE MOLDS

- 3-Way Stopcock Mold (3 Way & 3 Way Cap)



ADVANCED PACKAGING MACHINERY SOLUTIONS

MATRIX PRECISION WORKS offers a wide range of advanced packaging machines designed to meet the demands of modern food, pharmaceutical, and FMCG industries. Our machines are built with precision engineering and automation technology, ensuring efficient, accurate, and high-speed packaging operations.

From granules and powders to liquids and solid products, our packaging solutions are designed to handle diverse materials with consistency and reliability.

Our systems are widely used for packaging products such as namkeen, pulses, tea, spices, snacks, dry fruits, and other consumer goods, delivering high productivity and excellent packaging quality.

KEY CAPABILITIES



High Speed Packaging

Designed for fast and efficient production lines



Accurate Filling Systems

Ensures precise weight and volume control



Automated Operations

Reduces manual effort and improves consistency



Versatile Applications

Suitable for multiple product types and industries



SERVO & GENERAL PACKAGING MACHINES



SERVO BAGGER MACHINE



HIGH SPEED SERVO PACKAGING MACHINE
(Volumetric Cup Filler)

MODEL NO. : MPW-SBO

TECHNICAL SPECIFICATIONS (SERVO BAGGER MACHINE)	
Applications	Namkeen, pulses, granules, tea, chips, fryums, etc.
Filling System	14 Head / 20 Head Multihead Weigher
Filling Accuracy	±1% to ±1.5% (depending on product type)
Type of Seal	Center Seal / Back Seal
Filling Range	25 g to 1000 g (depending on product type)
Packing Material	Heat-sealable laminated films
Pouch Dimensions	Width: 60-200 mm, Length: 50-300 mm
Power Consumption	5.5 kW, Single Phase
Compressed Air Required	6 CFM @ 6 Bar (2 HP Compressor)
Production Output	90-110 pouches per minute (depending on product & quantity)
Machine Weight	Approx. 950 kg
Machine Dimensions	1880 x 1270 x1500 mm (Approx.)



MODEL NO. : MPW-SPO

TECHNICAL SPECIFICATIONS (HIGH SPEED SERVO PACKAGING MACHINE)	
Applications	Namkeen, pulses, granules, tea, detergents, fryums, etc.
Filling System	Adjustable Telescopic Disc
Filling Accuracy	±1% to ±1.5% (depending on product type)
Type of Seal	Center Seal / Back Seal
Filling Range	25 g to 1000 g (depending on product type)
Packing Material	Heat-sealable laminated films
Pouch Dimensions	Width: 60-200 mm, Length: 50-300 mm
Power Consumption	5.5 kW, Single Phase
Compressed Air Required	6 CFM @ 6 Bar (2 HP Compressor)
Production Output	80-95 pouches per minute (depending on product & quantity)
Machine Weight	Approx. 950 kg
Machine Dimensions	1880 x 1270 x2700 mm (Approx.)

D-MOTION TYPE PACKAGING MACHINE

MODEL NO. : MPW-DMO



TECHNICAL SPECIFICATIONS (D-MOTION TYPE PACKAGING MACHINE)

Applications	Paan masala, jeera, mouth freshener, fruit balls, etc
Filling System	Adjustable Telescopic Disc (Volumetric Cup Filler)
Filling Accuracy	±1% to ±1.5% (depending on product type)
Type of Seal	Center Seal / Back Seal
Filling Range	20 g to 100 g (depending on product type)
Packing Material	Heat-sealable laminated films / small pouches
Pouch Dimensions	Width: 50-130 mm, Length: 50-200 mm
Power Consumption	3.0 kW, Single Phase
Compressed Air Required	6 CFM @ 6 Bar (2 HP Compressor)
Production Output	60-350 pouches per minute (depending on product & quantity)
Machine Weight	Approx. 300 kg
Machine Dimensions	900 x 900 x2100 mm (Approx.)

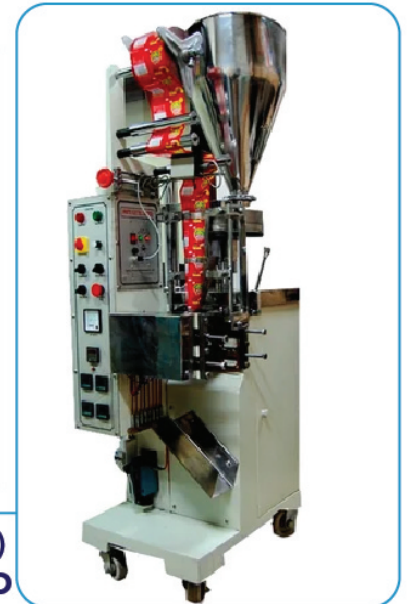


FFS PACKAGING MACHINES

MODEL NO. : MPW-FO

TECHNICAL SPECIFICATIONS (FFS PACKAGING MACHINE)

Applications	Pan masala, gutka, tea, pulses, granules, spices, etc.
Filling Accuracy	±1% to ±1.5%
Type of Seal	Center Seal
Filling Range	0.5 g to 100 g (depending on product type)
Packing Material	Heat-sealable laminated films
Pouch Dimensions	Width: 30-100 mm, Length: 30-150 mm
Power Consumption	2.0 kW, 220V Single Phase
Production Output	30-300 pouches per minute (depending on product & quantity)
Machine Weight	Approx. 300 kg
Machine Dimensions	750 x 550 x1800 mm (Approx.)



FFS PACKAGING MACHINE (VOLUMETRIC CUP FILLER) MODEL MPW-FO



MODEL NO. : MPW-34FO

TECHNICAL SPECIFICATIONS (FFS THREE / FOUR SIDE PACKAGING MACHINE)	
Applications	Pan masala, gutka, tea, pulses, granules, spices, etc.
Filling Accuracy	±1% to ±1.5%
Type of Seal	Center Seal
Filling Range	0.5 g to 100 g (depending on product type)
Packing Material	Heat-sealable laminated films
Pouch Dimensions	Width: 30-100 mm, Length: 30-150 mm
Power Consumption	2.0 kW, 220V Single Phase
Production Output	30-300 pouches per minute (depending on product & quantity)
Machine Weight	Approx. 300 kg
Machine Dimensions	750 x 550 x1800 mm (Approx.)



**FFS THREE / FOUR SIDE PACKAGING MACHINE
- MODEL MPW-34FO**



MODEL NO. : MPW-4FO

TECHNICAL SPECIFICATIONS (FFS FOUR SIDE PACKAGING MACHINE)	
Applications	Shampoo, lubricant, oil, paste, etc.
Filling System	Volumetric Piston Filling
Filling Accuracy	±1% to ±1.5%
Type of Seal	Center Seal / Back Seal
Filling Range	1 ml to 100 ml
Packing Material	Heat-sealable laminated films
Pouch Dimensions	Width: 40-180 mm, Length: 50-200 mm
Power Consumption	2.0 kW, 1 HP Motor, 220V Single Phase
Production Output	20-60 pouches per minute (depending on product & quantity)
Machine Weight	Approx. 380 kg
Machine Dimensions	750 x 550 x1500 mm (Approx.)

**FFS FOUR SIDE PACKAGING MACHINE (PASTE & LIQUIDS)
- MODEL MPW-4FO**

MODEL NO. : MPW-FSO

TECHNICAL SPECIFICATIONS (FFS SEMI PNEUMATIC PACKAGING MACHINE)	
Applications	Namkeen, pulses, granules, tea, spices, fryums, etc.
Filling System	Adjustable Telescopic Disc (Volumetric Cup Filler)
Filling Accuracy	±1% to ±1.5% (depending on product type)
Type of Seal	Center Seal / Back Seal
Filling Range	20 g to 100 g (depending on product type)
Packing Material	Heat-sealable laminated films
Pouch Dimensions	Width: 50-130 mm, Length: 50-200 mm
Power Consumption	3.0 kW, Single Phase
Compressed Air Required	6 CFM @ 6 Bar (2 HP Compressor)
Production Output	20-60 pouches per minute (depending on product & quantity)
Machine Weight	Approx. 300 kg
Machine Dimensions	900 x 900 x2100 mm (Approx.)



**FFS SEMI PNEUMATIC PACKAGING MACHINE
- MODEL MPW-FSO**

AUGER & FILLING MACHINES



**SERVO AUGER FILLER
PACKAGING MACHINE**



**HIGH SPEED MINI AUGER FILLER
PACKAGING MACHINE**

MODEL NO. : MPW-AFO

TECHNICAL SPECIFICATIONS (SERVO AUGER FILLER PACKAGING MACHINE)	
Applications	Besan, maida, milk powder, spices powder, and free-flowing powders
Filling System	Screw Feeder (Auger System)
Filling Accuracy	±1% to ±1.5% (depending on product type)
Type of Seal	Center Seal / Back Seal
Filling Range	25 g to 1000 g (up to 5 kg / 10 kg depending on product)
Packing Material	Heat-sealable laminated films
Pouch Dimensions	Width: 60-200 mm, Length: 50-300 mm
Power Consumption	5.5 kW, 3 Phase
Compressed Air Required	6 CFM @ 6 Bar (2 HP Compressor)
Production Output	20-75 pouches per minute (depending on product & quantity)
Machine Weight	Approx. 650 kg
Machine Dimensions	1824 x 1220 x 2600 mm (Approx.)



MODEL NO. : MPW-MAO

TECHNICAL SPECIFICATIONS (HIGH SPEED MINI AUGER FILLER PACKAGING MACHINE)	
Applications	Besan, maida, milk powder, spices powder, and free-flowing powders
Filling System	Screw Feeder (Auger System)
Filling Accuracy	±1% to ±1.5% (depending on product type)
Type of Seal	Center Seal / Back Seal / Side Seal
Filling Range	25 g to 100 g (depending on product type)
Packing Material	Heat-sealable laminated films
Pouch Dimensions	Width: 50-130 mm, Length: 50-150 mm
Power Consumption	3.5 kW, 3 Phase
Compressed Air Required	6 CFM @ 6 Bar (2 HP Compressor)
Production Output	20-100 pouches per minute (depending on product & quantity)
Machine Weight	Approx. 400 kg
Machine Dimensions	900 x 600 x 2100 mm (Approx.)



WEIGHER BASED PACKAGING SYSTEMS



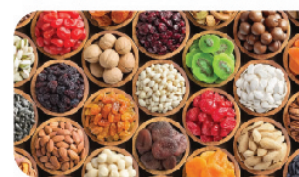
4 HEAD LINEAR WEIGHER WITH PNEUMATIC BAGGER



10 HEAD WEIGHER WITH PNEUMATIC BAGGER

MODEL NO. : MPW-4HO

TECHNICAL SPECIFICATIONS (4 Head Linear Weigher With Pneumatic Bagger)	
Applications	Granules, potato chips, dry fruits, namkeen, etc.
Filling System	4 Head Linear Weigher
Filling Accuracy	±1% to ±1.5% (depending on product type)
Type of Seal	Center Seal / Back Seal
Filling Range	25 g to 1000 g (depending on product type)
Packing Material	Heat-sealable laminated films
Pouch Dimensions	Width: 60-200 mm, Length: 50-300 mm
Power Consumption	5.0 kW, Single Phase
Compressed Air Required	11 CFM @ 6 Bar (5 HP Compressor)
Production Output	25-35 pouches per minute (depending on product & quantity)
Machine Weight	Approx. 700 kg
Bucket Material	1.2 mm Plain SS 304
Machine Dimensions	1160 x 950 x 1478 mm (Approx.)



MODEL NO. : MPW-10HO

TECHNICAL SPECIFICATIONS (10 Head Weigher With Pneumatic Bagger)	
Applications	Granules, potato chips, dry fruits, namkeen, fryums, kurkure
Weighing System	10 Head Multihead Weigher
Filling Accuracy	±1% to ±1.5% (depending on product type)
Type of Seal	Center Seal / Back Seal
Filling Range	2.5 g to 2000 g (depending on product type)
Packing Material	Heat-sealable laminated films
Pouch Dimensions	Width: 60-200 mm, Length: 50-300 mm
Power Consumption	5.0 kW, Single Phase
Compressed Air Required	11 CFM @ 6 Bar (5 HP Compressor)
Touch Screen	10.4" Color Display with Touch Interface
Production Output	60-70 pouches per minute (depending on product & quantity)
Machine Weight	Approx. 900 kg
Material of Chassis	SS 304 (Stainless Steel)
Bucket Material	1.2 mm Plain SS 304
Machine Dimensions	2432 x 3952 x 4560 mm (Approx.)





14 HEAD WEIGHER WITH SERVO BAGGER

MODEL NO. : MPW-14HO

TECHNICAL SPECIFICATIONS (14 HEAD WEIGHER WITH SERVO BAGGER)	
Applications	Granules, potato chips, dry fruits, namkeen, fryums, kurkure, etc.
Weighing System	14 Head Multihead Weigher
Filling Accuracy	±1% to ±1.5% (depending on product type)
Type of Seal	Center Seal / Back Seal
Filling Range	25 g to 1000 g (depending on product type)
Packing Material	Heat-sealable laminated films
Pouch Dimensions	Width: 60-200 mm, Length: 50-300 mm
Power Consumption	5.0 kW, Three Phase
Compressed Air Required	6 CFM @ 6 Bar (2 HP Compressor)
Touch Screen	10.4" Color Display with Touch Interface
Production Output	80-95 pouches per minute (depending on product & quantity)
Machine Weight	Approx. 950 kg
Material of Chassis	SS 304 (Stainless Steel)
Bucket Material	1.2 mm Plain SS 304
Machine Dimensions	1830 x 1270 x2600 mm (Approx.)



COLLAR TYPE PACKAGING MACHINES



COLLAR TYPE PACKAGING MACHINE
(VOLUMETRIC CUP FILLER)



HIGH SPEED MINI AUGER FILLER
PACKAGING MACHINE

MODEL NO. : MPW-CTO

TECHNICAL SPECIFICATIONS (COLLAR TYPE PACKAGING MACHINE)	
Applications	Namkeen, pulses, granules, tea, fryums, etc.
Filling System	Adjustable Telescopic Disc (Volumetric Cup Filler)
Filling Accuracy	±1% to ±1.5% (depending on product type)
Type of Seal	Center Seal / Back Seal
Filling Range	20 g to 1000 g (depending on product type)
Packing Material	Heat-sealable laminated films
Pouch Dimensions	Width: 60-200 mm, Length: 50-300 mm
Power Consumption	3.0 kW, Single Phase
Compressed Air Required	6 CFM @ 6 Bar (2 HP Compressor)
Production Output	20-60 pouches per minute (depending on product & quantity)
Machine Weight	Approx. 550 kg
Machine Dimensions	1824 x 1220 x 2600 mm (Approx.)



MODEL NO. : MPW-MAFO

TECHNICAL SPECIFICATIONS (HIGH SPEED MINI AUGER FILLER PACKAGING MACHINE)	
Applications	Pulses, granules, tea, fryums, etc.
Filling System	Adjustable Telescopic Disc (Volumetric Cup Filler) with Servo Control
Filling Accuracy	±1% to ±1.5% (depending on product type)
Type of Seal	Center Seal / Back Seal
Filling Range	20 g to 1000 g (depending on product type)
Packing Material	Heat-sealable laminated films
Pouch Dimensions	Width: 60-200 mm, Length: 50-300 mm
Power Consumption	3.0 - 4.0 kW, Single Phase
Compressed Air Required	6 CFM @ 6 Bar (2 HP Compressor)
Production Output	20-75 pouches per minute (depending on product & quantity)
Machine Weight	Approx. 500-600 kg
Machine Dimensions	1824 x 900 x 2600 mm (Approx.)



COMPACT / MINI PACKAGING MACHINES



HIGH SPEED MINI PACKAGING MACHINE MODEL NO. : MPW-MPO

TECHNICAL SPECIFICATIONS (FFS FOUR SIDE PACKAGING MACHINE)	
Applications	Namkeen, granules, tea, pharmaceuticals, kurkure, fryums
Filling System	Adjustable Telescopic Disc (Volumetric Cup Filler)
Filling Accuracy	±1% to ±1.5% (depending on product type)
Type of Seal	Center Seal / Back Seal
Filling Range	25 g to 100 g (depending on product type)
Packing Material	Heat-sealable laminated films
Pouch Dimensions	Width: 50-130 mm, Length: 50-150 mm
Power Consumption	2.5 kW, Single Phase
Compressed Air Required	6 CFM @ 6 Bar (3 HP Compressor)
Production Output	20-100 pouches per minute (depending on product & quantity)
Machine Weight	Approx. 350 kg
Machine Dimensions	900 x 600 x 2100 mm (Approx.)



POUCH FILLING MACHINE



MODEL NO. : MPW-PF

TECHNICAL SPECIFICATIONS (FFS FOUR SIDE PACKAGING MACHINE)	
Applications	Powders, granules, liquids, snacks, spices, etc.
Filling System	Auger / Volumetric Cup / Liquid Filling (as per requirement)
Filling Accuracy	±1% to ±1.5% (depending on product type)
Type of Seal	Pre-formed pouch sealing
Filling Range	10 g to 1000 g (or as per requirement)
Packing Material	Pre-formed laminated pouches
Power Consumption	2.5 -5.0 kW
Compressed Air Required	6 CFM @ 6 Bar (if pneumatic system used)
Production Output	20-60 pouches per minute (depending on product)
Machine Weight	Approx. 400-800 kg
Machine Dimensions	As per configuration



ADDITIONAL EQUIPMENT & ASSEMBLIES

Supporting Systems for Complete Packaging Solutions

MATRIX PRECISION WORKS offers a range of additional equipment and assemblies designed to enhance the efficiency and functionality of packaging systems. These supporting units ensure smooth material handling, continuous product flow, and improved overall production performance.

Our auxiliary equipment is engineered for seamless integration with packaging machines, providing reliable operation and optimized workflow across production lines.

SCREW CONVEYOR

Used for efficient transfer of powders and granules from one stage to another with minimal manual handling.

BLENDER SCREW CONVEYOR

Designed for simultaneous mixing and conveying of materials, ensuring uniform product consistency during processing.

BUCKET ELEVATOR

Ideal for vertical lifting of products such as granules, snacks, and powders, enabling smooth feeding into packaging machines.

TOY CONVEYOR (TRAY/TAKE-AWAY CONVEYOR)

Used for collecting and transferring filled pouches from the machine, ensuring organized output and easy handling.

ADDITIONAL ASSEMBLIES (FP)

Custom-built attachments and assemblies designed to enhance machine performance and adapt to specific production requirements.





Get in touch with us to explore advanced machinery solutions tailored to your business needs.

MATRIX PRECISION WORKS

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