



MAKMATIC

ENGINEERS PRIVATE LIMITED



ONE STOP SOLUTION FOR YOUR
REQUIREMENTS



About Us

Welcome to Makmatic Engineers Private Limited

At Makmatic Engineers Pvt Ltd, we specialise in manufacturing high-performance packaged drinking water and beverage machinery designed to simplify operations and improve production. Based in New Delhi and operational since 1992, we are an emerging name in the manufacturing sector, offering a full range of machines such as filling units, PET blowing systems, shrink-wrapping machines, automated labelling setups, etc. Whether you are starting a new bottling line or upgrading your existing setup, our goal is to provide machinery that works efficiently—from installation to continuous service.

We don't just manufacture machines. We provide turnkey project solutions, including spare parts, installation support, and AMC services—so you can focus on your business without worrying about machine downtime. Our strength lies in understanding real ground-level challenges and delivering reliable, made-in-India solutions tailored to them.



At Makmatic our mission is to manufacture efficient and reliable liquid and oil filling machines that drive growth for industries. We strive to deliver precisely engineered solutions to support our client's success and production.

- ★ Engineering with Purpose
- ★ Boosting industry efficiency
- ★ Simplifying production
- ★ Reliable Practical solution



We envision becoming a trusted name in the global bottling and filling machinery industry. Our goal is to be a support pillar for manufacturers in achieving seamless operations and higher productivity.

- ★ Global Industry Presence
- ★ Innovation Driven Growth
- ★ Trusted Machinery Partner
- ★ Performance Without Compromise



Streamlined Processes for Custom Solutions

We know every industry, factory has different needs so we provide you with different solutions. We follow an established process with your input to give you a fitting solution based on your factory ensuring high performance always.

Understanding your requirements

First and foremost we understand your requirements and if they are possible to complete for oil and liquid filling machines.

Design and manufactures

We make a design for your water filling machine for industrial use so it can serve its purpose efficiently without mistakes.

Delivery, Support and technician

We deliver you the machines and our technicians will give you a brief training on how to operate the machine with after sales support.



FULLY AUTOMATIC RINSING-FILLING-CAPPING MACHINE
FOR PACKAGED DRINKING WATER

Technical Specifications:

Operation	: Automatic RFC
Bottle Size	: 200 to 2000 ml
Spares Efficiency	: 4000 hours running efficiency.
Motor	: Model-IE2 (Make: Bharat Bijlee/Similar)
Pneumatic Fittings	: Janatics
Sensors	: P&F/Sick
Air-conveyor	: 08 Feet
Belt Conveyor	: 24 Feet
PLC	: Delta Make (can be changed as per customer pref.)
Valve	: High Speed Valves in SS 304 with anti-drip locking
Filling Tank	: SS 304 with automatic sensor for level adjustments
lubrication on Rinser	: automatic water based
Machine Lubrication	: automatic with oil pump with on/off timer
SS Panel	: In-built with separate touch panel
Machine Safety	: Jog system to remove waste bottles
Purpose of filling	: Packaged Drinking Water
Capper Automation	: Pick and Place with 3-star sensing system
Star Guides	: Two-way guides with neck holding
Cap Washing	: Automatic Cap Washing system
Cap Feeder	: Elevator Capper with neck size adjustments
Level Maintenance	: Automatic with sensor system
Rinser Pressure Safety	: Automatic pressure detection configurable on HMI
Filling System	: No Bottle No Fill
Conveyor automation	: Machine stops if outfeed is full
Electric Switch gears	: Schneider/L&T
Capping Heads	: Heavy duty torque based with auto-ejector system
Machine Construction	: Complete SS 304 material with double bearing system
Gears system	: Solid gears

Available Capacity : 60 BPM / 90 BPM /120 BPM / 150 BPM / 200BPM / 250BPM / 300BPM



FULLY AUTOMATIC RINSING-FILLING-CAPPING MACHINE FOR CARBONATED DRINKS

Technical Specifications:

Operation	: Automatic RFC
Bottle Size	: 200 to 2000 ml
Spares Efficiency	: 4000 hours running efficiency.
Motor	: Model-IE2 (Make: Bharat Bijlee / Similar)
Pneumatic Fittings	: Janatics
Sensors	: P&F/Sick
Air-conveyor	: 08Feet
Belt Conveyor	: 24 Feet
PLC	: Delta Make (can be changed as per customer pref.)
Valve	: Ultra Valves in SS 304 with anti-drip locking
Filling Tank	: SS 304 with automatic sensor for level adjustments
lubrication on Rinser	: automatic water based
Cylinder Lubrication	: Water based lubrication to avoid sugar collection
Machine Lubrication	: automatic with oil pump with on/off timer
SS Panel	: In-built with separate touch panel
Machine Safety	: Jog system to remove waste bottles
Purpose of filling	: Carbonated Drinks
Capper Automation	: Pick and Place with 3-star sensing system
Star Guides	: Two-way guides with neck holding
Cap Washing	: Automatic Cap Washing system
Cap Feeder	: Elevator Capper with neck size adjustments
Level Maintenance	: Automatic with sensor system
Rinser Pressure Safety	: Automatic pressure detection configurable on HMI
Filling System	: No Bottle No Fill
Conveyor automation	: Machine stops if outfeed is full
Electric Switch gears	: Schneider/L&T
Capping Heads	: Heavy duty torque based with auto-ejector system
Machine Construction	: Complete SS 304 material with double bearing system
Gears system	: Solid gears

Available Capacity : 60 BPM / 90 BPM /120 BPM / 150 BPM / 200BPM / 250BPM / 300BPM



FULLY AUTOMATIC RINSING-FILLING-CAPPING MACHINE
FOR HOTFILL JUICE DRINKS (300 BPM)

Technical Specifications:

Operation	: Automatic RFC
Bottle Size	: 200 to 2000 ml
Spares Efficiency	: 4000 hours running efficiency.
Motor	: Model-IE2 (Make: Bharat Bijlee/Similar)
Pneumatic Fittings	: Janatics
Sensors	: P&F/Sick
Air-conveyor	: 16 Feet
Belt Conveyor	: 32 Feet
PLC	: Delta Make (can be changed as per customer pref.)
Valve	: High Speed Valves in SS 304 with anti-drip locking
Filling Tank	: SS 304 with automatic sensor for level adjustments
lubrication on Rinser	: automatic water based
Cylinder Lubrication	: Water based lubrication to avoid sugar collection
Machine Lubrication	: automatic with oil pump with on/off timer
SS Panel	: In-built with separate touch panel
Machine Safety	: Jog system to remove waste bottles
Purpose of filling	: Hot fill Juice
Capper Automation	: Pick and Place with 3-star sensing system
Star Guides	: Two-way guides with neck holding
Cap Washing	: Automatic Cap Washing system
Cap Feeder	: Elevator Capper with neck size adjustments
Level Maintenance	: Automatic with sensor system
Rinser Pressure Safety	: Automatic pressure detection configurable on HMI
Filling System	: No Bottle No Fill
Conveyor automation	: Machine stops if outfeed is full
Electric Switch gears	: Schneider/L&T
Capping Heads	: Heavy duty torque based with auto-ejector system
Machine Construction	: Complete SS 304 material with double bearing system
Gears system	: Solid gears

Available Capacity : 60 BPM / 90 BPM /120 BPM / 150 BPM / 200BPM / 250BPM / 300BPM



AUTOMATIC ROLL FEED LABELING MACHINE

Technical Specifications:

Bottle Size	: 200 ml up to 2000 ml (change part at extra)
Power Consumption	: 08 Kw
Construction	: Stainless steel
Feed System	: One bottle at a time with cavity matching
Programming	: Tri-O Programming
Electric Panel	: separate panel in SS
Touch Panel	: In-built on the electric panel
Glue System	: Mesh system for high-speed accuracy
Switch Gears	: Schneider
Cutting Assembly	: Sharp precision cut with 70-80 microns of chrome
Operation	: Single Star with Guide system
Make	: Makmatic Engineers Private Limited



Available Capacity : 120 BPM / 150 BPM / 200BPM / 250BPM / 300BPM

SEMI-AUTOMATIC SHRINK PACKING MACHINE

Technical Specifications:

Speed	: 60-90 BPM
Packaging Material	: LD shrink minimum 100 microns
Sealing System	: Bulls-eye system with Teflon coating on cutter
Cutting Heater	: In-built in the cutter
Shrink system	: Heat shrink tunnel with spiral heaters
Air-consumption	: 20-30 CFM
Electrical Supply	: 230V AC single phase & 415V AC three-phase
Blower System	: Double blowers for better air-circulation
Cooling Table	: With blower and SS 304 rollers
Heating Chamber insulation	: Cerawool inside the shrink chamber
Switch gears	: Schneider/L&T
Automation Grade	: semi-automatic
Packaging Size	: up to 2000 ml
Shrink tunnel size	: 45" x 22" x 16"
Cooling Chamber	: 16" x 22" x 16"
Discharge Table	: 24" x 18" x 32"
Web Sealer	: 48" x 33" x 94"
Shrink Machine	: 98" 37" x 61"
Blower motor	: 0.18 HP, 3-phase 2800 RPM (2 No.s)
Web sealer conveyor motor	: 0.5 HP 0.37 kw, 3-phase
Web sealer conveyor gear box :	30:1
Sensor	: Sick
Body	: MS with double powder coating
Solenoid Valve	: JANATICS
All Pneumatics	: JANATICS
SMPS	: 24V DC
Roll-Rewinding	: Automatic roll rewinding motor to avoid wastage
Wire	: Fiber glass + Teflon coating
Shrink tunnel motor	: Rotomotive





AUTOMATIC CARBONATION SYSTEM

Technical Specifications:

Capacity of soft drink / soda making	: 4000 L.P.H. max.
Chilled Beverage holding pre-carbonation tank capacity	: 200 lt.
Carbonator tank capacity	: 200 lt. (Holding Capacity-100 lt.)
Co2 pressure	: Max. 6.5 kg. / Cm. Sq.
Desired temperature of Beverage	: 4 deg. Centigrade
Desired temperature of syrup	: 2 deg. Centigrade
Desired temperature of syrup	: 2 deg. Centigrade
High Pressure Pump; 3 HP (CDL 4-10)	: 1 No. (Make-CNP)
Horizontal Multi-stage Centrifugal Pump 1 HP (CHL 4-40)	: 1 No. (Make-CNP)



AUTOMATIC SHRINK PACKING MACHINE

Technical Specifications:

Speed	: 90 BPM
Packaging Material	: LD shrink minimum 100 microns
Sealing System	: Bulls-eye system with Teflon coating on cutter
Cutting Heater	: In-built in the cutter
Shrink system	: Heat shrink tunnel with spiral heaters
Air-consumption	: 20-30 CFM
Electrical Supply	: 230V AC single phase & 415V AC three-phase
Blower System	: Double blowers for better air-circulation
Cooling Table	: With blower and SS 304 rollers
Heating Chamber insulation	: Cerawool inside the shrink chamber
Switch gears	: Schneider/L&T
Automation Grade	: Single line automatic
Packaging Size	: up to 2000 ml
Shrink tunnel size	: 45" x 22" x 16"
Cooling Chamber	: 16" x 22" x 16"
Discharge Table	: 24" x 18" x 32"
Web Sealer	: 48" x 33" x 94"
Shrink Machine	: 98" 37" x 61"
Blower motor	: 0.18 HP, 3-phase 2800 RPM (2 No.s)
Web sealer conveyor motor	: 0.5 HP 0.37 kw, 3-phase
Web sealer conveyor gear box :	30:1
Sensor	: Sick
Body	: MS with double powder coating
Solenoid Valve	: JANATICS
All Pneumatics	: JANATICS
SMPS	: 24V DC
Roll-Rewinding	: Automatic roll rewinding motor to avoid wastage
Wire	: Fiber glass + Teflon coating
Shrink tunnel motor	: Rotomotive





MANUAL AUTO-DROP PET BLOWING MACHINE (2-Cavity)

Technical Specifications:

Production Volume	: up to 2000 ml (2 Cavity) / 5000 ml (1 Cavity)
Production Capacity (Pcs/hour)	: 1000-1100 BPH @ 250 ML
Working air pressure	: 06-08 Kg
Blowing air pressure	: 18-20 Kg
Air consumption (High Pressure)	: 55 CFM @500 ml (20 bar)
Mould Opening Stroke	: 190 mm
Tie Bar Distance	: 250 mm
Mould cavity number	: 2 Nos.
Mould thickness	: 140 mm
Neck diameter	: 28-30 mm
Staff Required	: 2 (only for maintenance and labour)
Total power	: 08-12 Kw (Only Machine Running Load)
Machine weight	: 1300 kg
Heater type	: Infrared heater
Make	: Makmatic Engineers Private Limited
Cylinder	: JANATICS
Pressure Valves	: JANATICS
Gear box motor	: Bharat bijlee
Stretch Operation	: Pneumatic
Mould Locking	: Hydraulic
Child Water Supply	: Alluminium distribution system to avoid rusting
MODEL	: MAK-2B-MAN



MANUAL AUTO-DROP PET BLOWING MACHINE (4-Cavity)

Technical Specifications:

Production Volume	: Up to 1000 ml
Production Capacity (Pcs/hour)	: 1600-1700 BPH @ 250 ML
Working air pressure	: 06-08 Kg
Blowing air pressure	: 18-20 Kg
Air consumption (High Pressure)	: 55 CFM @500 ml (20 bar)
Mould Opening Stroke	: 190 mm
Tie Bar Distance	: 250 mm
Mould cavity number	: 4 Nos.
Mould thickness	: 140 mm
Neck diameter	: 28-30 mm
Staff Required	: 2 (only for maintenance and labour)
Total power	: 12-16 Kw (Only Machine Running Load)
Machine weight	: 1600 kg
Heater type	: Infrared heater
Make	: Makmatic Engineers Private Limited
Cylinder	: JANATICS
Pressure Valves	: JANATICS
Gear box motor	: Bharat bijlee
Stretch Operation	: Pneumatic
Mould Locking	: Hydraulic
Child Water Supply	: Alluminium distribution system to avoid rusting
MODEL	: MAK-4B-MAN





HAND FEED AUTO-MATIC PET BLOWING MACHINE

Technical Specifications:

Model	MAK-2B-HFA	MAK-4B-HFA	MAK-6B-HFA
Cavities	2	4	6
Mould Clamp	Pneumatic	Pneumatic	Pneumatic
Stretching Unit	Pneumatic	Pneumatic	Pneumatic
Production Per Hour (BPH)	2000@250/300ML	4000 @ 250/300 ML	5400 @ 250/300 ML
Max Bottle Volume	1000ML	1000 ML	300 ML
Max Neck Size	30MM	30 MM	30 MM
High Pressure Air Requirement	55CFM@1000ML at20-22Kg	95 CFM @1000ML, at 20-22 Kg	95 CFM @250ML at 20-22 Kg
Low Pressure Air Requirement	35CFM@10-12Kg	50 CFM @10 Kg	45 CFM @10 Kg
Machine Load (Connecting)	20	22	18
Machine Load (Running)	18	18	16
Preform Loading	Manual	Manual	Manual
Bottle Unloading	Auto-Drop	Auto-Drop	Auto-Drop



FULLY AUTO-MATIC PET BLOWING MACHINE

Technical Specifications:

Model	MAK-2B-Series I	MAK-4B-Series I	MAK-6B-Series I
Cavities	2	4	6
Mould Clamp	Pneumatic	Pneumatic	Pneumatic
Stretching Unit	Pneumatic	Pneumatic	Pneumatic
Production Per Hour (BPH)	2000@250/300ML	4000 @ 250/300 ML	5400 @ 250/300 ML
Max Bottle Volume	1000ML	1000 ML	300 ML
Max Neck Size	30MM	30 MM	30 MM
High Pressure Air Requirement	55CFM@1000ML at20-22Kg	95 CFM @1000ML, at 20-22 Kg	95 CFM @250ML at 20-22 Kg
Low Pressure Air Requirement	45CFM@10-12Kg	50 CFM @10 Kg	45 CFM @10 Kg
Machine Load (Connecting)	20	22	18
Machine Load (Running)	18	18	16
Preform Loading	Auto-matic	Auto-matic	Auto-matic
Bottle Unloading	Auto-matic	Auto-matic	Auto-matic

Also Available in Servo



FULLY AUTO-MATIC SHRINK PACKING MACHINE

Technical Specifications:

Speed	up to 150 BPM	up to 300 BPM
Sealer Size	750 mm	750 mm
Film Type	Polyethylene	Polyethylene
Film Thickness	Film Thickness	Film Thickness
Max. Film roll dia	350 mm	350 mm
Electric supply	440 V, 3 Phase + Earth + Neutral	440 V, 3 Phase + Earth + Neutral
Installed Power	30kw starting load & 24kw stable load	30kw starting load & 24kw stable load
Compressed Air	12CFM @120 PSI	12CFM @120 PSI
Max. Output Speed	120 BPM	120 BPM
Feeding Direction	Direction shall be confirmed by you.	Direction shall be confirmed by you.
Working Height	Shall be provided by you during layout approval	Shall be provided by you during layout approval
Machine Structure	Mild Steel Structure	Mild Steel Structure
Lubrication	Bearing with life lubrication for BOP by resp. mfg.	Bearing with life lubrication for BOP by resp. mfg.
Gaurding	Transparent doors with electrical safety easy access.	Transparent doors with electrical safety easy access.
Operator Panel	Fixed operator panel,optional –with a touch screen panel.	Fixed operator panel,optional –with a touch screen panel.
Conveyor Chain	Rolon / Daimond	Rolon / Daimond
Sealing/Cutting Jaw	In-House	In-House
LM Bearing for Guide Rods	CKG Germany	CKG Germany
Guide Rod for Pneumatics	CKG Germany	CKG Germany
Switches / Push Button	Tecnik Germany	Tecnik Germany
Blowing Motors	Bonvario Motors / Rotomotive	Bonvario Motors / Rotomotive
Driving Motors	Bonvario Motors / Rotomotive	Bonvario Motors / Rotomotive
Gear Box	Bonvario Motors / Rotomotive	Bonvario Motors / Rotomotive
Unwinding Motors	Bonvario Motors / Rotomotive	Bonvario Motors / Rotomotive
Digital Temperature Controller	Multispan	Multispan
Prox sensors	Bomer / Jayshree	Bomer / Jayshree
AC Drive	Delta / Control Technic / Kinco	Delta / Control Technic / Kinco
Relay	Shavsion	Shavsion
Actuator Switches	Tecnik Germany	Tecnik Germany
Switchgears	Schneider's	Schneider's
Power Supply	Shavison	Shavison
Pneumatics & Controls	Janatics/ Smc/ Festo	Janatics/ Smc/ Festo
PLC & COLOUR HMI	Wecon/ Mitsubishi	Wecon/ Mitsubishi
MACHINE POWDER COATING	In-House	In-House



REVERSE OSMOSIS WATER TREATMENT PLANT

Technical Specifications:

Machine	QTY	Specification
Raw water Storage tank	Two	RCC tiled/HDPE
Raw water pump	One	Kirlosker Horizontal Centrifugal Bronze CRI 16000 LPH 5HP
Multigrade sand filter with multiport valves	One	3672 STARLITE
Activated carbon filter with multiport valves	One	3672 STARLITE
Antiscalent dosing system	One Set	Dosing Pump (EDOSE), Chemical tank (Dosing tank HDPE)
Micron filtration system	One set	SS304 (1600LPH)N
High Pressure Pump	One	SIMGE/LEO equivalent 7.5Kw
High pressure vessel	One	4E-2 UKL
RO membrane	8	POLYMEX
Wet panel	One	Pressure gauge, flow meter, flow regulating valves fittings etc.
Electric control panel	One	WLC controlled, high/low pressure control with star delta type motor starter panel
PH correction system	One set	Dosing pump (E dose),Chemical tank (50ltr)
Cleaning system(CIP)	One	Cleaning Pump (Ss304) , Chemical tank (HDPE), Cleaning filter (Standard)
UV system		Standard
RO water Storage System	One	Storage tank Two(SS304), Water supply pump (Ss304)
Ozone 16 mixing system	One set	Ozone generator with oxygen concentrator, Ozone mixing system (Standard)



Our Precious Customers





Notes

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Our motive to provide the best...



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