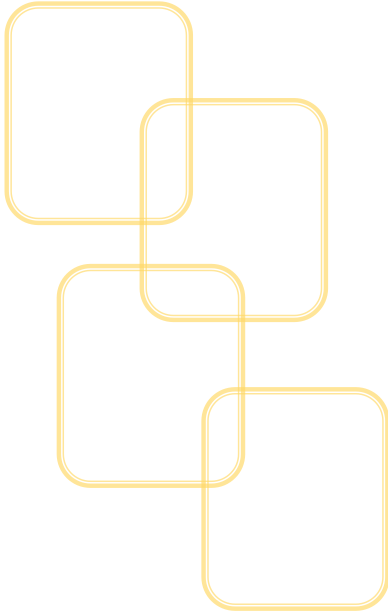




# MALIK ROTO TECH

Center of Rotational Molds & Services



Manufacturer & Exporter of Bi-Axial  
Rotational Molding Machines, Molds and  
its Accessories



## ABOUT US

We are in Rotational Molding Machine from last 30 years with great expertise in providing solutions and services to the industry. We manufacture a wide range of precise and engineered rotational machine molds that are fabricated using premium quality raw material and made by our highly skilled manpower.

Malik Roto Tech is growing company in manufacturing and exporting of vertical, horizontal and customized molds in stainless steel and in mild steel. Available range of molds are 200ltr to 20000ltr.

Our marketing professionals are well diversified having international business experience specifically of Middle East and African countries.

We are continuously expanding our export foothold, meeting international standards and providing best services to our clientele.

Malik Roto Tech now extending its expertise in manufacturing of Bi-Axial Rotational Molding Machines and Rock & Roll Machines to enhance productivity with cutting edge technology.

Our Mission is to earn reputation of excellence globally by manufacturing precise engineered products and providing best services to our Clients. We focus on customer satisfaction by continuous improvements and effective implementation of quality management systems.

## VISION

Malik Roto Tech have futuristic vision to provide best solution to rotational molding industry with continuous improvement in the field with the help of our expert team who are constantly improving to upgrade product and services with priority of customer satisfaction.



## BI-AXIAL ROTATIONAL MACHINE



The Rotational molding process is an incredibly versatile manufacturing method that offers a wide range of machine options for producing high-quality parts. The process involves heating a mold while rotating it around two perpendicular axes, enabling the plastic to coat the entire surface of the mold evenly. Rotational molding machines come in different sizes and configurations, allowing manufacturers to select the most suitable option based on their specific production requirements. These machines are designed to offer precise control over the molding process, ensuring consistent quality and dimensional accuracy of the finished products.

Malik Roto Tech offers wide range of Bi-Axial Rotational Machines some of the available Models and their salient features are

- Suitable For All Type of Rotational Molding Products
- Low Maintenance Cost
- Highly Fuel Efficient
- Fastest Cycle Time
- Advanced Technology To Minimize The Rejection Rate
- High Productivity
- Suitable For Multi-Layer And Foam Products
- Low Electric Power Requirements
- User Friendly Control Panel For Easy Operation And Maintenance
- Precise Temperature Control Oven And Efficient Cooling Mechanism

## MODELS & SPECIFICATIONS

### SINGLE STATION MACHINE SPECIFICATION OF DIFFERENT MODELS

MODELS	MRM 1000	MRM 1000X2	MRM 2000X2	MRM 2000	MRM 5000
Max Tank Size	1000 ltr	1000 ltr x 2	1000 ltr x 2	2000 ltr	5000 ltr
No. of Arm	Single	Single	Single	Single	Single
Type of Arm	U Arm	Straight Arm	Straight Arm	U Arm	U Arm
Capacity to Mounted	1000 ltr x 1, 500 ltr x 1	1000 ltr x 2, 750 ltr x 2, 500 ltr x 4	2000 ltr x 2, 1500 ltr x 2, 1000 ltr x 4	2000 ltr x 1, 1500 ltr x 1,	5000 ltr x 1, 3000 ltr x 1, 2000 ltr x 1,
Control Panel	PLC Control Panel	PLC Control Panel	PLC Control Panel	PLC Control Panel	PLC Control Panel
Furnace Type	Fix Furnace	Fix Furnace	Fix Furnace	Fix Furnace	Fix Furnace
Fuel	Diesel /LPG/Natural Gas	Diesel /LPG/Natural Gas	Diesel /LPG/Natural Gas	Diesel /LPG/Natural Gas	Diesel /LPG/Natural Gas
Burner	Riello Italian Burner	Riello Italian Burner	Riello Italian Burner	Riello Italian Burner	Riello Italian Burner
Max Temperature	250° C	250° C	250° C	250° C	250° C
Major Axis RPM	0-6	0-8	0-4	0-6	0-4
Minor Axis RPM	0-6	0-6	0-6	0-6	0-6
Dimensions L x W x H Mtr	4 x 4 x 4	7 x 6 x 6	9 x 7 x 7	5 x 4 x 5	6 x 6 x 6

### THREE ARM MACHINES MODELS AND SPECIFICATION

MODELS	MRM-3-1000X2	MRM-3-2000X2	MRM-3-2000	MRM-3-5000
Max Tank Size	1000 ltr x 2	2000 ltr x 2	2000 ltr x 1	5000 ltr x 1
No. of Arm	3 Straight Arm	3 Straight Arm	1 offset Arm & 2 Straight Arm	1 offset Arm & 2 Straight Arm
Capacity to Mounted on Offset Arm	****	****	2000 ltr x1, 1500 ltr x1	5000 ltr x1, 3000 ltr x1
Capacity to Mounted on Straight Arm	1000 ltr x 2, 750 ltr x 2, 500 ltr x 4	2000 ltr x 2, 1500 ltr x 2, 1000 ltr x 4, 750 ltr x 4	1000 ltr x 2, 750 ltr x 2, 500 ltr x 4	2000 ltr x 2, 1500 ltr x 2, 1000 ltr x 4, 750 ltr x 4
Control Panel	PLC Control Panel	PLC Control Panel	PLC Control Panel	PLC Control Panel
Furnace Type	Travel Furnace	Travel Furnace	Travel Furnace	Travel Furnace
Fuel	Diesel /LPG/Natural Gas	Diesel /LPG/Natural Gas	Diesel /LPG/Natural Gas	Diesel /LPG/Natural Gas
Burner	Riello Italian Burner	Riello Italian Burner	Riello Italian Burner	Riello Italian Burner
Max Temperature	250° C	250° C	250° C	250° C
Major Axis RPM	7.5	5	7.5	5
Minor Axis RPM	12	7	12	8
Dimensions L x W x H Mtr	12 x 12 x 6	13 x 13 x 7	12 x 12 x 6	17 x 13 x 7

## ROCK & ROLL MACHINE

Rock & Roll Machines is more economical than other types of machines. The most important advantage of this machine is that it can produce very large size i.e. 10000 liters, 15000 liters, 20000 liters, 25000 liters, 30000 liters which is not economical in other molding process like injection molding and blow molding. It also takes less production space hence beneficial for small scale manufacturer to start production in small unit with economical budget.

An open flame Rock & Roll rotational molding machine is a type of plastic molding equipment that uses rotational techniques to produce hollow, seamless plastic products. It provide sophisticated control of the tilting oven movements in combination with primary and secondary rotation speeds to ensure uniform material distribution. The process enables the plastic resin to coat the entire surface of the mold evenly, producing consistent wall thickness. Rock and roll machines are best suited for larger parts and products that require a high level of durability and strength.

We produce this machine in the range of 5000 liters to 30000 liters capacity.



### ROCK & ROLL MACHINE MODELS AND SPECIFICATION

MODELS	RR-5000	RR-10000	RR-20000	RR-25000	RR-30000
Capacity Range liter	1000 - 5000	1000 - 10000	1000 - 20000	1000 - 25000	1000 - 30000
Frame Size in Mtr	3.5mtr x 2.2mtr	5mtr x 3mtr	5.5mtr x 3.5mtr	6mtr x 4mtr	6.5mtr x 4mtr
Pit Size (Approx.)	4.5x 3x 2.2 mtr	6x 3.5x 2.8 mtr	6.5x 4x 3 mtr	7x 4.5x 3 mtr	7x 4.5x 3.5 mtr
Fuel Type	Gas / Diesel	Gas / Diesel	Gas / Diesel	Gas / Diesel	Gas / Diesel
Total Connected Load in HP	7.5	15	22	27	36

## ROTATIONAL MOULDS



Rotational molding molds are crucial to the process of producing plastics using rotational molding technology. They, once de-molded, determine the external appearance of the molded part with all its details. The inner surface of the mold is carefully contoured to ensure that the shape of the final product is accurately represented. It may contain gouges, protrusions, grooves or other details that affect the final appearance of the manufactured part. A well-made rotational molding mold ensures a high-quality final product.

The molds are made of high-quality materials such as steel or aluminum, which ensures exceptional durability, long life, and resistance to mechanical damage. Rotational molding molds are also highly thermally resistant, as they are heated in ovens to very high temperatures. The choice of material for a rotational molding mold depends on the type of component to be produced, the life expectancy of the mold, the production budget, and the requirements for quality and repeatability of production.

Malik Roto Tech offers wide range of precision engineered rotational machines molds that are fabricated using premium quality raw material with computerized designs and made by our highly skilled labors. The available range of molds are 200ltr to 20000ltr, standard molds as well as customized molds as per requirements of the Clients.

- ✓ STAINLESS STEEL MOLDS
- ✓ SHEET METAL MOLDS
- ✓ CNC MACHINE MOLDS
- ✓ ALUMINUM CASTING MOLDS

# MOULDS & SPECIFICATIONS

## Stainless Steel & Mild Steel Vertical Water Tank Molds

Size of molds (Liters)	Diameter (mm)	Height (mm)	Manhole (mm)
200	740	605	280
300	735	870	280
500	870	980	400
750	1030	1000	400
1000	1080	1250	400
1500	1350	1250	400
2000	1350	1600	450
2500	1500	1720	450
3000	1700	1500	450
4000	1800	1770	450
5000	2000	1940	520
7500	2000	2570	520
10000	2550	2480	520
10000	2000	3670	520
15000	2550	3500	520
15000	3000	2810	520
20000	2550	4600	520
20000	3000	3320	520

## Horizontal Water Tank Molds

Size of molds (Liters)	Diameter (mm)	Length (mm)	Manhole (mm)
1000	1072	1455	400
1500	1130	1665	400
2000	1255	1815	465
2500	1335	2060	465
3000	1420	2135	465
4000	1585	2255	465
5000	1710	2425	465

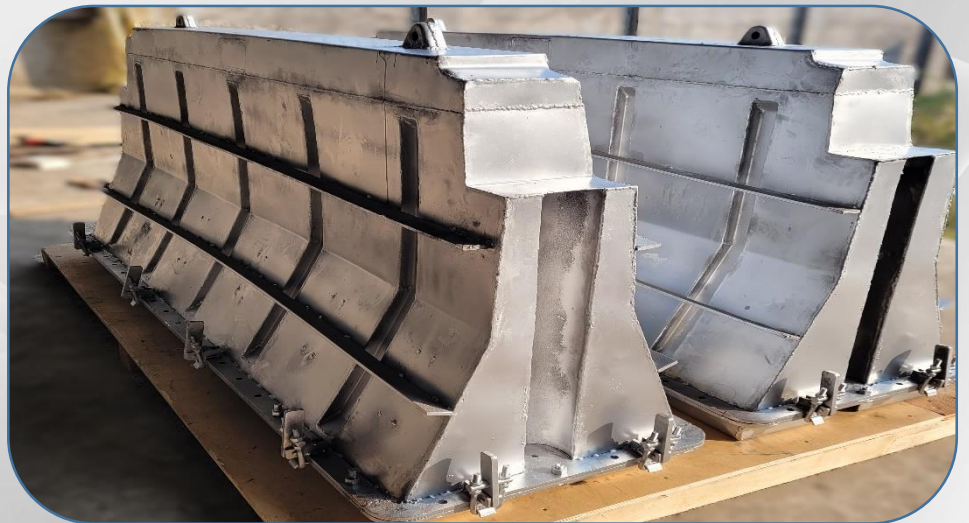
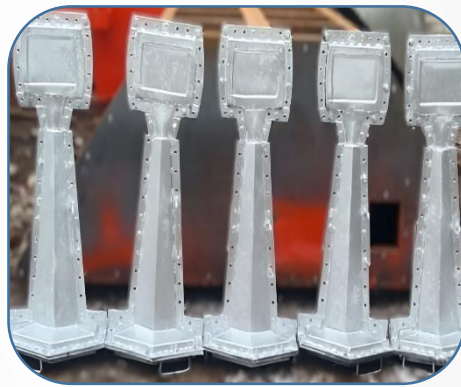
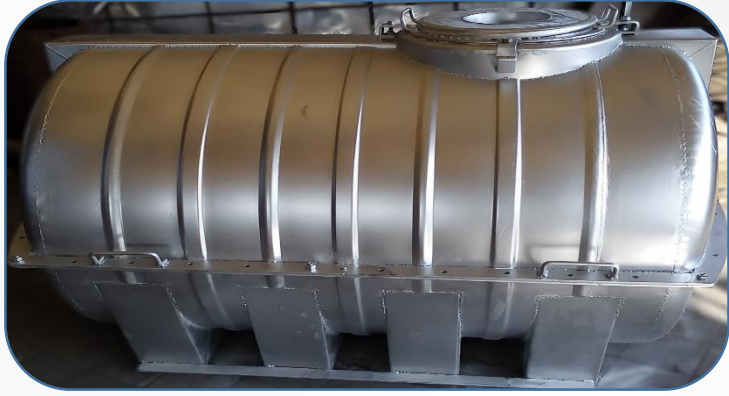
## Loft Tank Molds

Size of molds (Liters)	Length (mm)	Width (mm)	Height (mm)	Manhole (mm)
300	1220	830	340	310
400	1550	1000	340	310
500	1400	1000	440	310
1000	2000	980	610	310

## Dustbin Molds

Size of molds (Liters)	Top (mm)	Bottom (mm)	Height (mm)
90	410 x 410	300 x 250	810
120	450 x 450	350 x 300	850
240	500 x 600	410 x 450	1050

# OUR MOULDS





## STORAGE SILO

A storage silo system is a device used for storing bulk materials. Silos are used in various industries for storing different types of powdered or granular materials. Silos typically act as an intermediate storage device between receiving the raw material into your factory and before it is used in your manufacturing process.

We offer the best quality silos that are capable of storing and discharging various types of bulk materials. The trick here is to design the silo by correctly calculating the exact volume that the bulk material shall occupy once stored.

We manufacture storage silos using various grades of steel such as SS304, SS304L, SS316 and SS316L, Mild Steel.

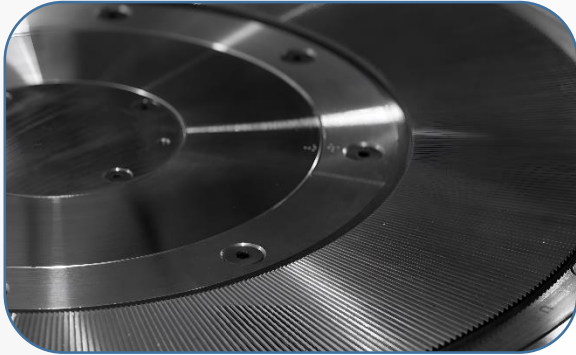


## FINISHED PRODUCTS



## ACCESSORIES

Malik Roto Tech also provide support machinery and accessories to Rotational Molding i.e. Pulveriser Disk, Mold Latch Clamps, Electrical Panel Board Accessories, Mosil Lubricants etc. We provide better solution to every Rotational Molding Machines related problem, to make easy for entrepreneur to start water tank manufacturing business.



### PULVERIZER DISK

Provide Pulverizer Disk as per design and size to enhance productivity of the pulverizer.

### TOGGLE CLAMPS

Toggle Clamps makes easy loading & unloading of Molds instead of nuts & bolts.



### MOLD CALENDAR PLATE

Engraving Calendar Plate in Stainless Steel to fix on mold.

### BRAND NAME

Brand Name Engraving or Embossing Plate as per design and size.



### BRASS INSERTS

Round threaded brass insert of different sizes for Rotationally Molded water tank. Size range from 1/2" to 6".

## COOLING FAN

These fans are used in rotational molding process for cooling purpose.



## MOSIL LUBRICANTS

SAM 2450 is best mold releasing agent and widely used in rotational molding.

BRB-500g is high temperature grease best suitable for high oven temperature.

## EXTRUDERS HEATER

Extruder Heater MICA / Ceramic band of Different sizes.



## ELECTRICAL ITEMS

Electric items which is required for Panel Board Push button, digital timer, temperature controller, VFD drive, vibrator etc.

## RAW MATERIAL

LLDPE raw material virgin and next to virgin for Rotational water tank production.

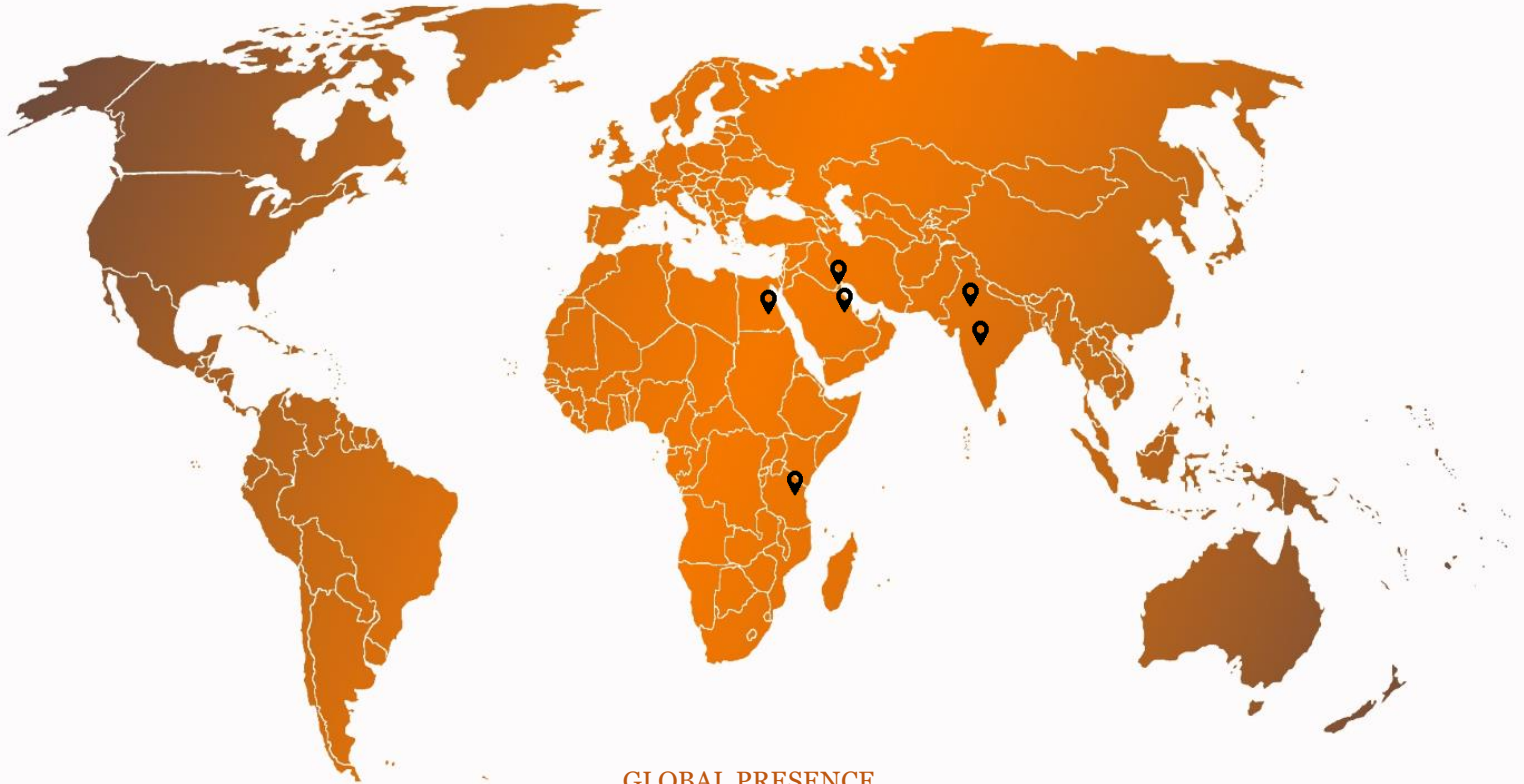




# MALIK ROTO TECH


Manufacturer & exporter of Rotational Machine, Molds and Accessories

We provide services to satisfy the requirements and the expectations of our valued clients.




Factory & Office

## MALIK ROTO TECH

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