



# P. KUMAR ENGINEERS

Complete Rotomoulding Solutions



**HOUSE OF QUALITY MAKE ROTATIONAL  
MOULDING PLANT AND MACHINERY**

# Bi-Axial Rotational Moulding Machine

- Advanced designed Machine.
- Fully automatic & compact for consistent quality product.
- Sturdy & Unique mechanical design for trouble free running.
- High efficient heating chamber for the best FUEL Economy.
- All electrical/mechanical safety interlock for safe working.
- High efficient LPG/DIESEL burner for fuel economy.
- Specially design blowers to work under high temperature.
- Unique design for easy maintenance.



| Model        | No. of Arms |         | Loading of Vertical Mould                                               |                        | Power HP | Oven Size (m) | Cooling System | Fuel         | Machine Space Requirement (L x W x H) m |
|--------------|-------------|---------|-------------------------------------------------------------------------|------------------------|----------|---------------|----------------|--------------|-----------------------------------------|
|              | straight    | off-set | straight arm                                                            | off-set arm            |          |               |                |              |                                         |
| BRS - 1      | 1           | Nil     | 200/300/500 L x 4 Nos.<br>OR<br>750/1000 L x 2 Nos.                     | NA                     | 11.0     | 3.6x3.6x1.5   | Air            | LPG / Diesel | 10x7x6                                  |
| BRS - 2      | 1           | Nil     | 750/1000 L x 4 Nos.<br>OR<br>1500/2000 L x 2 Nos.                       | NA                     | 17.0     | 4.5x4.5x1.8   | Air            | LPG / Diesel | 12x8x8                                  |
| BRS - 5      | Nil         | 1       | NA                                                                      | 3000/5000 L x 1 No.    | 16.5     | 3.6x3.6x2.75  | Air            | LPG / Diesel | 12x9x6                                  |
| BRS - 10     | Nil         | 1       | NA                                                                      | 7500/10000 L x 1 No.   | 24.0     | 4.5x4.5x3.5   | Air            | LPG / Diesel | 15x10x8                                 |
| BRM - 2 - 2S | 2           | 1       | 200/300/500 L x 4 Nos.<br>OR<br>750/1000 L x 2 Nos.                     | 1500/2000 L x 1 No.    | 26.5     | 3.6x3.6x2.0   | Air            | LPG / Diesel | 14x12x6                                 |
| BRM - 2 - 3S | 3           | Nil     | 750/1000 L x 4 Nos.<br>OR<br>1500/2000 L x 2 Nos.                       | NA                     | 45.0     | 4.5x4.5x1.8   | Air            | LPG / Diesel | 21x14x8                                 |
| BRM-5        | 2           | 1       | 200/300 L x 6 Nos.<br>OR<br>500 L x 4 Nos.<br>OR<br>750/1000 L x 2 Nos. | 1500 to 5000 L x 1 No. | 35.5     | 3.6x3.6x2.75  | Air            | LPG / Diesel | 16x12x6                                 |

We also manufacture Customized Machines as per requirement

- ✍ Continuous Quality Improvement is our motto.
- ✍ Specifications are subject to change.

# Rock n Roll Rotational Moulding Machine



- Ideal Machine for LARGE Size containers.
- High Productive - versatile.
- Low Capital investment.
- Low Power requirement .
- Easy to operate.
- Minimum Mechanical & Electrical Maintenance.
- Negligible Rejections in processing.
- Individual and Main controlling valve & regulating system leads to best FUEL Economy.
- Robust & Sturdy design for trouble free running.
- Superior designed Burners to give the best quality flame, with minimum fuel consumption.
- Efficient Burner systems are available for Gas & Diesel.
- Bigger size machines are provided with adjustments to process smaller moulds economically, ensuring better machine utilization.
- Custom Designed machines to suit your Moulding requirements are also undertaken.

| Model | Maximum Loading Capacity of Round Mould (litres) |               | Frame Size in Mtr.(LXW) | Power H.P. | Fuel System | Pit Size in Mtr. (LxWxD) |
|-------|--------------------------------------------------|---------------|-------------------------|------------|-------------|--------------------------|
|       | Double Cavity                                    | Single Cavity |                         |            |             |                          |
| RM-1  | Nil                                              | 1000          | 2.3X1.6                 | 4.0        | LPG/DIESEL  | 2.9X2.2X1.2              |
| RM-2  | 500                                              | 2000          | 2.85X1.8                | 5.0        | LPG/DIESEL  | 4.0X3.0X2.0              |
| RM-3  | 500                                              | 3000          | 3.25X2.2                | 7.0        | LPG/DIESEL  | 4.25X3.25X2.15           |
| RM-5  | 1000                                             | 5000          | 3.75X2.5                | 8.0        | LPG/DIESEL  | 4.5X3.75X2.3             |
| RM-10 | 2500                                             | 10000         | 5.0X3.0                 | 10.5       | LPG/DIESEL  | 5.5X4.75X2.5             |
| RM-20 | 5000                                             | 20000         | 6.5X3.5                 | 20         | LPG/DIESEL  | 7.7X5.3X3.2              |
| RM-30 | 5000                                             | 30000         | 8.75X3.75               | 30         | LPG/DIESEL  | 10.0X5.75X4.35           |

## Cooling Station for Rock N Roll Machine (Optional)

| Model  | Maximum Loading Capacity of Round Mould (litres) |               | Frame Size in Mtr.(LXW) | Power H.P. | Cooling System |
|--------|--------------------------------------------------|---------------|-------------------------|------------|----------------|
|        | Double Cavity                                    | Single Cavity |                         |            |                |
| CRM-1  | Nil                                              | 1000          | 2.3X1.6                 | 2.0        | AIR/WATER      |
| CRM-2  | 500                                              | 2000          | 2.6X1.7                 | 3.0        | AIR/WATER      |
| CRM-3  | 500                                              | 3000          | 3.0X2.0                 | 3.0        | AIR/WATER      |
| CRM-5  | 1000                                             | 5000          | 3.5X2.25                | 4.0        | AIR/WATER      |
| CRM-10 | 2500                                             | 10000         | 4.0X2.65                | 7.0        | AIR/WATER      |
| CRM-20 | 5000                                             | 20000         | 5.5X3.0                 | 11.0       | AIR/WATER      |
| CRM-30 | 5000                                             | 30000         | 7.75X3.5                | 15.0       | AIR/WATER      |



- Sturdy M.S. Structure.
- Air Cooling by high efficient air circulator.
- Water cooling through water-sprinklers.
- Water re-circulation through Pump.

We also manufacture Customized capacity as per requirement

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- ≠ Specifications are subject to change.

# Pulverizer

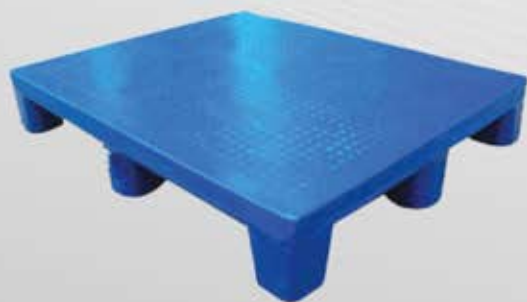
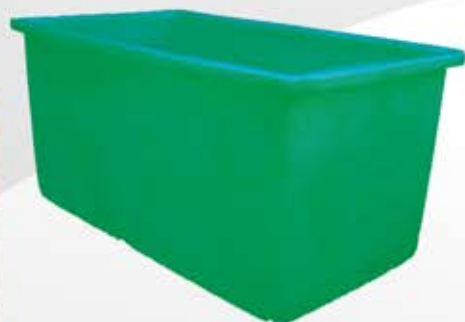
- Advanced designed Machine.
- Heavy and Sturdy Grinding Mill Body.
- Heavy Bearing hub with water cooling.
- Dynamically balanced grinding blades.
- High quality HCHC blade material for constant continuous more production.
- Specially designed serrations with special treatment on Grinding Discs to give more life, and higher grinding capacities , with minimum power consumption.
- Water Cooling system for stationary blade for better life.
- Powder quality obtained is ideally suited for rotational moulding process, with correct mesh size distribution and bulk density of the Pulverized powder.
- Dynamically balanced blower.
- Specially designed Vibratory Sieve , Cyclone and Hopper.
- Fully automatic electric control.
- Easy to maintain.
- We can also give specialized Pulverizing blades developed by us for your existing pulverizers , enabling you to get economical production from your existing equipments. This can be arranged if you give the details of your existing Pulverizing disc with dimensions and other relevant details.

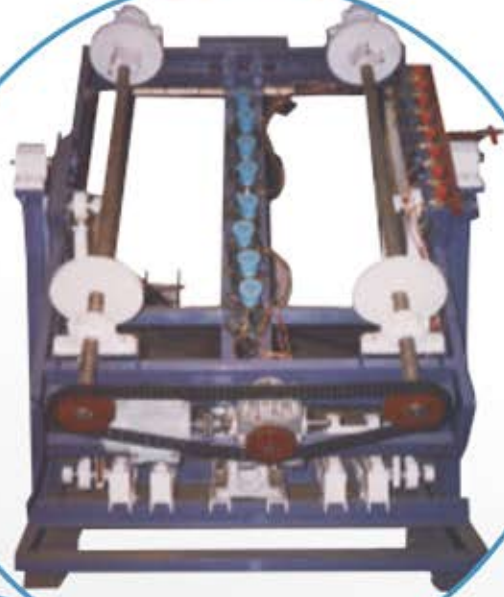


| Model  | Total Connected Load (HP) | Capacity (kg/hour) |         | Mesh Size | Machine Space Requirement (L x W x H) m |
|--------|---------------------------|--------------------|---------|-----------|-----------------------------------------|
|        |                           | LLDPE              | PVC     |           |                                         |
| PUL-15 | 18.5                      | 60-65              | 75-90   | 20-24     | 3.5 x 2.0 x 4.0                         |
| PUL-20 | 24.0                      | 80-90              | 100-120 | 20-24     | 3.5 x 2.0 x 4.0                         |
| PUL-25 | 30.0                      | 100-115            | 125-150 | 20-24     | 3.5 x 2.0 x 4.0                         |
| PUL-30 | 35.0                      | 130-140            | 150-180 | 20-24     | 3.5 x 2.0 x 4.2                         |
| PUL-40 | 47.0                      | 160-180            | 200-240 | 20-24     | 4.0 x 2.0 x 4.5                         |
| PUL-50 | 61.5                      | 200-225            | 250-300 | 20-24     | 4.0 x 2.0 x 4.5                         |

PS : Above specification are based on ideal running conditions and may vary according to Raw material Quality, Temperature, Climate, Incoming voltage etc.

# M.S. Moulds & S. S. Moulds





**ANSI**  
American National Standards Institute  
An ISO 9001 : 2008

# P. KUMAR ENGINEERS

MANUFACTURER & EXPORTER OF ROTATIONAL MOULDING PLANT AND MACHINERY

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