



**BROTHERS**  
PHARMAMACH (INDIA) PVT. LTD.

# DRYFILL 120RC

High Speed Rotary Dry Syrup 16x8 Powder Filling & Capping Machine



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## High Speed Rotary Dry Syrup 16x8 Powder Filling & Capping Machine

The Automatic High Speed Rotary Monoblock 16x8 Head Dry Syrup Powder Filling & Capping Machine Model DRYFILL-120RC is suitable for Glass, Plastic, PET, HDPE, LDPE Bottles with maximum speed of 120 Bottles per minute depending on Powder Fill Volume, Type of Powder, Bottle Diameter and Bottle Neck Diameter.

Machine in Stainless Steel Finish with heavy duty M.S. frame structure with S.S. Cladding. All parts coming in contact with Powders are made from S.S.316 Material and HDPE Funnels. All Enclosures of machines are made from S.S.304 material.

The Machine works on proven time tested Vacuum and Air Systems to Fill powder in Bottle achieving higher speed and higher accuracy. Machine with unique Bottle Lifting and Neck Holding system avoid spillage of powder on bottle shoulder, neck and body keeps bottle clean and also avoid wastage of powder.

Machine require small area due to Monoblock design with Filling and Capping operation. Machine with complete synchronization of Bottle Infeed StarWheel, Powder Wheel movement and outfeed Starwheel as well as capping operation for smoother operation. Machine with Rotary Bottle Moving system ensures very high speed powder filling through independent moving funnel along with bottles for greater speed and performance without compromising speed and fill accuracy. Machines with unique vibratory system inside the funnel helps filling of semi free flow type powder at higher speed.

Machine can be used for ROPP (Alu. Cap) as well as Screw Cap with the help of change parts. However for common application of ROPP Cap and Screw Capping on same machine, please ensure that the thread of Screw Cap should not have more than 1.5 turn for Capping, for separate application any type of Cap can be used without limitation.

### TECHNICAL SPECIFICATIONS

Bottle Diameter : Upto 85mm\*, Square or Rectangular bottles can be used

Bottle Height : 100mm\* Maximum

Cap : Any type of ROPP or Screw Cap, Sample required for evaluation

Fill Range : 5gms. To 70gms. In Single Dose with the help of change parts for different fill volume

Fill Accuracy : +/- 1 to 2% Depending upon the Powder, under the controlled level of Humidity

Conveyor Height : 815-940 mm

Overall Dimensions : 2500 mm (L) x 1750 mm (W) x 2000 mm

Speed : Max. 120 Bottles per minute depending on Bottle Size, Bottle Neck Diameter, Type of Powder, Fill Volume, Type of Cap and Cap Size.

### UTILITY REQUIREMENT :

Filtered Compressed Air : Filtered, Oil Free 2kg/cm<sup>2</sup>, 5 to 7 Bar Air Pressure

Vacuum : 28" Hg. @ 300 LPM 2nos. and 500LPM 1no.

Humidity : Below 30% Rh

Electrical : 415 VAC 3 Phase 50Hz and 220 VAC Single Phase Power Supply (50/60 Hz) with A.C. Drive

Power : 3 Hp For Machine and 3 Hp for Vacuum Pump if procured with machine.

\* Specification can be changed as per customers requirements

### SPECIAL / OPTIONAL\* FEATURES :

- No Bottle - No Fill System
- Unique Continues Motion of Bottle Movement for Smoother operation
- Rotary Bottle Movement System with Rotary Funnel System
- Funnel with Unique Vibratory system for filling semi free flow powder at higher speed
- All contact parts with easy removal system for Cleaning / AutoClaving / Sterilization
- Machine construction in SS304 material
- Filling Accuracy of +/- 1 to 2% depending on powder at controlled humidity below 30% Rh
- Automatic Infeed and Exit of Bottles through Star Wheel System
- No Bottle at infeed conveyor - Automatic Machine on/off system
- Low Air - Machine Stop System
- Low Vacuum - Machine Stop System
- Low Cap Level - Machine Stop System
- Automatic Cap Feeder On - Off System to avoid damage to the cap avoiding extra movement
- Toughened Glass Safety Cabinet
- Blower for dust extraction



### Other Available Models

- DRYFILL-30S
- DRYFILL-60.Twin
- DRYFILL-80R
- DRYFILL-30
- DRYFILL-120R
- DRYFILL-80RC
- DRYFILL-20

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