



BROTHERS
PHARMAMACH (INDIA) PVT. LTD.

➔ Dry Syrup Powder Filling Machines

➤ **DRYFILL-80RC - Dry Syrup Powder Filling Machines** - Automatic High Speed Rotary Dry Syrup 12x8 Powder Filling & Capping Machine



Layout



E-Catalog



Video

The Automatic High Speed Rotary Monoblock 12x8 Head Dry Syrup Powder Filling & Capping Machine Model DRYFILL-80RC is suitable for Glass, Plastic, PET, HDPE, LDPE Bottles with maximum speed of 80 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 frame structure with S.S. Cladding. All parts coming in contact with Powders are made from SS316 Materials and HDPE Funnels.

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 filing 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.

SPECIAL/OPTIONAL * FEATURES :

- No Bottle - No Fill System
- 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



TECHNICAL SPECIFICATIONS :

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|----------------------|---|
| 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 60gms. 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 |
| Humidity : | Below 30% Rh required on machine to be arrange by customer |
| Electrical : | 415VAC 3Phase and 220 VAC Single Phase Power Supply (50 Hz) with A.C. Drive |
| Power : | 2.0 H.P. For Machine and 3.0 H.P. For Vacuum Pump |
| Compressed Air : | Filtered, Oil Free 2kg/cm ² provided by customer only |
| Vacuum : | 28" Hg. @ 300 LPM, provided by Customers only, 500LPM recommended |
| Conveyor Height : | 815-940 mm |
| Overall Dimensions : | 2500 mm (L) x 1250 mm (W) x 2000 mm |
| Speed : | Max. 80 Bottles per minute depending on Bottle Size, Bottle Neck Diameter, Type of Powder, Fill Volume, Type of Cap and Cap Size. |

* Specification can be changed as per customers requirements