



**POWERVAC**<sup>TM</sup>

SINCE 1995  
An ISO 9001-2015 Certified Company



# Your One Stop Solution For Modified Atmosphere Packaging Machines & Vacuum Packaging Machines

An Innovative Solution for Food Industry

**More Shelf Life**



## At Packmech Our Purpose is Simple to Deliver Excellence!

28 Years Ago We Began Our Journey Of Manufacturing High Quality Vacuum Packaging Machinery, Today We Are The Most Preferred & Trusted Partner In The Industry .we Are Engaged In Manufacturing Of **VACUUM PACKAGING MACHINERY & MODIFIED ATMOSPHERE PACKAGING** Machinery, Catering To Indian And Overseas Market With Our Machines & Services Which Has Helped Big Business House, Corporate Giants, Small Business Unit And Retailers To Increase Production With Quality, Thus Increase In Profits We Go Great Lengths To Ensure High Quality Standards. Our Technical Service Representatives, Backed By Dedicated Field Staff And Corporate Task Forces, Are Spread Across The Country To Offer Quality Service. We Offer Our Services In Design, Manufacturing, Performance Evaluation, Installation, Operation & Maintenance, We Are Specialize In Providing Hi-tech Solutions At The Most Affordable Rates.we Are Headquartered In Ahmedabad, India, One Of The Biggest And Most Preferred Business Hub Across The Globe, We Have State Of Art & Advanced In House Manufacturing Unit Spread Across 55000 Sq Ft.

### 1. What is MAP- Modified Atmosphere packaging?

Modified Atmosphere Packaging (map) Is The Imposition Of a Gas Atmosphere, Typically Containing An Inert Gas, Such As Nitrogen Combined With an Antimicrobially Active Gas, Such As Carbon Dioxide, Upon A Packaged Food Product To Extend Its Shelf Life. The Need For This Technology For Food Arises From The Short Shelf Life Of Food Products.

### 2. Benefits Of Modified Atmosphere Packaging

- Prolonged Shelf Life Compared To Other Conventional Storage Methods.
- Improvement In Visual Appeal Of Packed Products.
- Preservation Of Food Nutrients.
- Prolonged Preservation Of Food Freshness.
- Elimination Of Chemical Additives/preservatives.
- Retention Of Original Food Flavours.

### 3. Industries We Cater To...

Dairy, Bakery, Sweet & Nankeen, Sea Food & Meat, Spices & Herbs, Pharmaceuticals, FMCG, Dry Fruits, Dates, Cereal & Nuts, Fruits & Vegetables etc.

# SHELF LIFE CHART

Sr.	Product	Storage Temp.	Shelf Life
<b>INDIAN SWEETS</b>			
01.	Peda (Milk / Khoa)	Ambient	30 days
02.	Sweet Khoa (Kunda)	Ambient	30 days
03.	Unsweetened Khoa	Ambient	15 days
04.	Milk Cake	Ambient	45 – 60 days
05.	Kalakand / Burfi	Ambient	20 – 30 days
06.	Assorted Khoa Sweets	Ambient	30 days
07.	Motichur Laddu	Ambient	30 – 40 days
08.	Bundi Laddu	Ambient	30 – 40 days
09.	Mohanthal	Ambient	45 days
10.	Ghevar(with Syrup)	Ambient	45 days
11.	Khopra Pak	Ambient	45 days
12.	Gujiya / Khaja	Ambient	45 days
13.	Kaju Katli	Ambient	45 – 60 days
14.	Assorted Dry Fruit Sweets	Ambient	45 days
15.	Gajar Halwa/ Dry Fruit Halwa	Ambient	30 days
16.	Moong Dal Halwa / Burfi	Ambient	45 days
17.	Ghari	Ambient	45 days
18.	Doda Burfi	Ambient	45 days
19.	Halwasan	Ambient	45 days
20.	Angoori Petha	Ambient	30 days
21.	Dry Petha	Ambient	9 months
22.	Besan Laddu	Ambient	9 months
23.	Adadiya	Ambient	9 months
24.	Mysore Pak	Ambient	4 months
25.	Rewari	Ambient	6 months
26.	Gajak	Ambient	6 months
27.	Bombay Halwa	Ambient	4 months
28.	Mathura Peda / Dharwad Peda	Ambient	4 months
29.	Baklawa	Ambient	9 months
30.	Patisa/ SoanPapdi (Desi Ghee)	Ambient	6 months
31.	Khajur Sweets	Ambient	6 months
32.	Gulab Jamun / Rasgolla	Ambient	4 months
33.	Sandesh	Ambient	20 days
34.	Bengali (Chhena) Sweets	At +4°C	40 days
35.	Sugar Free Sweets (Low Calorie Sweets)	Ambient	30 days
<b>BAKERY PRODUCTS</b>			
36.	Cookies	Ambient	9 months
37.	Dry Cake	Ambient	60 days
38.	Muffins	Ambient	60 days
<b>SNACK AND SAVOURIES</b>			
39.	Fafda and Other Namkeen (Groundnut Oil)	Ambient	9 months
40.	Dry Samosa / Kachori / Matthi	Ambient	6 months
41.	Dry Fruits	Ambient	9 months
42.	Dates (Khajur)	Ambient	12 months
43.	Thepla / Paratha	Ambient	75 days
44.	PuranPoli	Ambient	30 days
45.	Khaman Dhokla	At +4°C	30 days
46.	Raw Samosa / Kachori	At +4°C	90 days
47.	Pettis	At +4°C	90 days
48.	Pizza	At +4°C	90 days
49.	Various Sandwich	At +4°C	90 days
50.	Momos	At +4°C	90 days
<b>Restaurant (RTE Food)</b>			
51.	Various Sabji	At +4°C	45 days
52.	Various Dal	At +4°C	30 days
53.	Veg. Biryani / Pulav	At +4°C	45 days
54.	Pav Bhaji	At +4°C	45 days
55.	Various Nonveg Dishes and Sea Food	At +4°C	30 – 45 days

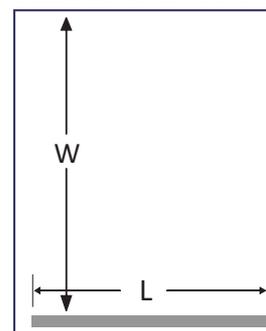
# Our Clients



# TABLE TOP VACUUM PACKAGING MACHINE



Seal Bar Postion



Option

## Standard Features

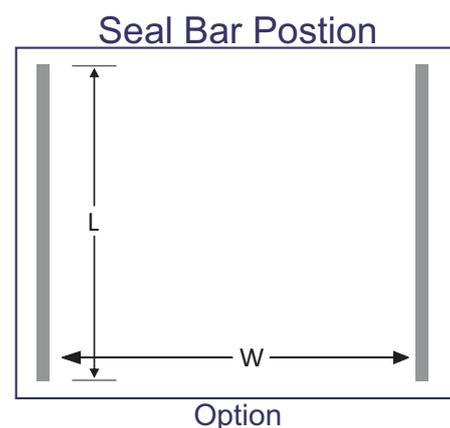
- Horizontal Table Top Design Suitable For Retail Grocery Shops, Small Dairy Shops, Super Malls, Etc.
- Transparent Acrylic Top To See Packaging Process.
- Mitsubishi (Japan) Plc Based Control Panel With 4-line Lcd Display, Adjustable Vacuum Time, Sealing Time, Etc.
- High Speed Vacuum Pump.
- Stainless Steel Body, No Sharp Edges, Use Cast Aluminum & Other Nonferrous Material To Safe Rust And Easy Cleaning.

## Technical Specifications

(All Figures are in mm)

MACHINE MODEL	TT-300
Usable Chamber Depth (Distance Between Seal bars)(W)	300
Usable Chamber Height (H)	80
Seal Bar Length(L)	300
No.of Seal Bars	1
Seal Width	6
Machine Dimension(LXWXH)	750X450X500
Machine Weight	40 Kg
Voltage	230V-1PH-50Hz
Electric Supply	0.5 KW
Cycle Time	30-35 Sec

# SINGLE CHAMBER MODEL



## Standard Features

- Horizontal Trolley Type Model With Easy Moveable Wheels, 2 Wheel Lockable For Steadiness.
- Design Suitable For Medium Scale Production Up To 5kg Retail Packaging.
- Heavy Duty One Piece Cast Aluminum Top. Mitsubishi (Japan) Plc Based Control Panel With 4-line LCD Display.
- Adjustable Vacuum Time , Sealing Time, etc.
- Stainless Steel Body, No Sharp Edges, use Cast Aluminium & Other Nonferrous Materials To Safe Rust Issue And Easy Cleaning.

## Optional Features

- Insert Gas Flushing Unit.
- Vacuum & Gas Control By Sensor For Accurate Level.
- BUSCH (Germany) Vacuum Pump.
- Mould And Formers As Per Require Pack Size.
- Cut Out Of Toughened Glass To View The Packaging Process From The Top.

## Technical Specifications

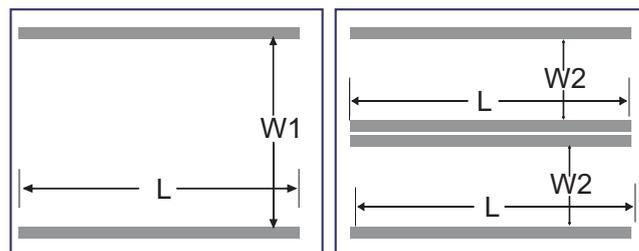
(All Figures are in mm)

MACHINE MODEL	SCH-500	SCH-650
Usable Chamber Depth (distance Between Seal bars)(W)	400	500
Usable Chamber Height (H)		120
Seal Bar Length(L)	500	650
No.of Seal Bars		2
Seal Width		6
Machine Dimension(LXWXH)	890X635X960	1050X750X960
Machine Weight	140 Kg	155 Kg
Voltage	230V-1PH-50Hz	440V-3 PH- 50 Hz
Electric Supply	1.5 KW	2 KW
Cycle Time		25-30 Sec

# DOUBLE CHAMBER MODELS



Seal Bar Position



Option 1

Option 2

## Standard Features

- Horizontal Dual Chamber Type Model To Save Loading-unloading Time.
- Mobile With 4 nos. trolley Wheels. 2 Wheel Will Be Lockable.
- Design Suitable For High Productivity Up To 10 Kg Pack With High Speed Vacuum Pump.
- Heavy Duty One Piece Cast Aluminium Top.
- Mitsubishi(japan) Plc Based Control Panel With 4-line LCD Display.
- Adjustable Vacuum Time, sealing Time, etc. Long Lasting 6mm Heating Elements For Accurate Sealing Result. Stainless Steel Body, no Sharp Edges, use Cast Aluminium & Other Nonferrous Materials To Safe Rust Issue And Easy Cleaning.

## Optional Features

- Insert Gas Flushing Unit.
- Vacuum & Gas Control By Sensor For Accurate Level.
- BUSCH (Germany) Vacuum Pump.
- Mould And Formers As Per Require Pack Size.

## Technical Specifications

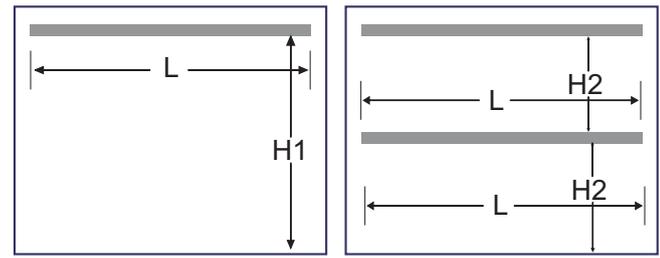
(All Figures are in mm)

MACHINE MODEL	DCH 650	DCH 750	DCH 800
Usable Chamber Depth (distance Between Seal bars)(W1/W2)	460X190	460X165	580X250
Usable Chamber Height (H)		120	
Seal Bar Length (L)	650	750	800
No.of Seal Bars		2/4	
Seal Width		6/8	
Machine Dimension(LXWXH)	1560X910X1050	1750X830X1050	1910X1025X1050
Machine Weight	280 Kg	280 Kg	350 Kg
Voltage	440V-3PH-50Hz	440V-3PH-50Hz	440V-3PH-50Hz
Electric Supply		2.5 KW	3 KW
Cycle Time		20-25 Sec	

# VERTICAL SINGLE CHAMBER MODELS



Seal Bar Position



Option 1

Option 2

## Standard Features

- Vertical Type Model Suitable For Flour, semi Liquid, Pulses, Dry- Fruits With Brick Type Packaging.
- Adjustable Product Platform Suitable Up To 10 to 15 Kg Product Packaging. Mitsubishi(japan) Plc Based Control Panel With 4-line Lcd Display.
- Adjustable Vacuum Time, Sealing Time, etc.
- Stainless Steel Body, No Sharp Edges, Use Cast Aluminium & Other Nonferrous Materials To Safe Rust Issue And Easy Cleaning.

## Optional Features

- Insert Gas Flushing Unit.
- Vacuum & Gas Control By Sensor For Accurate Level.
- BUSCH (Germany) Vacuum Pump.
- Mould And Formers As Per Require Pack Size.

## Technical Specifications

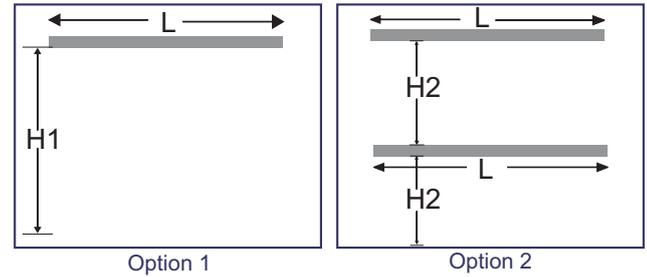
(All Figures are in mm)

MACHINE MODEL	SCV 500	SCV 650
Usable Chamber Depth (W)		125/150
Usable Chamber Height (H1/H2)	475/195	610/260
Seal Bar Length(L)	500	650
No.of Seal Bars		1/2
Seal Width		6/8
Machine Dimension(LXWXH)	750X750X1410	935X760X1410
Machine Weight	170 Kg	185 Kg
Voltage	230V-1PH-50Hz	440V-3 PH- 50 Hz
Electric Supply	1.5 KW	2 KW
Cycle Time		25-30 Sec

# VERTICAL DOUBLE CHAMBER MODELS



Seal Bar Position



## Standard Features

- Vertical Type Double Chamber Model Suitable For Flour, semi Liquid, Pulses And Dry- Fruits With Brick Type Packaging.
- Adjustable Product Platform Suitable Up To 10 to 15 Kg Product Packaging.
- Mitsubishi(japan) Plc Based Control Panel With 4-line Lcd Display,
- Adjustable Vacuum Time, Sealing Time, etc.
- Stainless Steel Body, No Sharp Edges, Use Cast Aluminium & Other Nonferrous Materials To Safe Rust Issue And Easy Cleaning.

## Optional Features

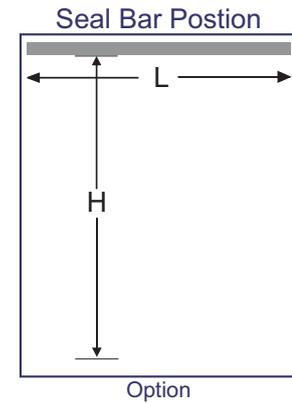
- Insert Gas Flushing Unit.
- Vacuum & Gas Control By Sensor For Accurate Level.
- BUSCH (Germany) Vacuum Pump.
- Mould And Formers As Per Require Pack Size.

## Technical Specifications

(All Figures are in mm)

MACHINE MODEL	DCV-500	DCV-650
Usable Chamber Depth (W)	125/150	
Usable Chamber Height (H1/H2)	475/195	610/260
Seal Bar Length(L)	500	650
No.of Seal Bars	1/2	
Seal Width	6/8	
Machine Dimension(LXWXH)	1350x700x1410	1660x700x1410
Machine Weight	250 Kg	
Voltage	440V-3PH-50Hz	440V-3PH-50Hz
Electric Supply	3 KW	
Cycle Time	25-30 Sec	

# VERTICAL MODELS



## Standard Features

- o Vertical Type Model Suitable For Flour, semi Liquid, Pulses, Dry- Fruits With Brick Type Packaging.
- o Adjustable Product Platform Suitable Up To 10 Or 15 Kg Product Packaging.
- o Mitsubishi(japan) Plc Based Control Panel With 4-line Lcd Display,
- o Adjustable Vacuum Time, Sealing Time, etc.
- o Stainless Steel Body, No Sharp Edges, Use Cast Aluminium & Other Nonferrous Materials To Safe Rust Issue And Easy Cleaning.

## Optional Features

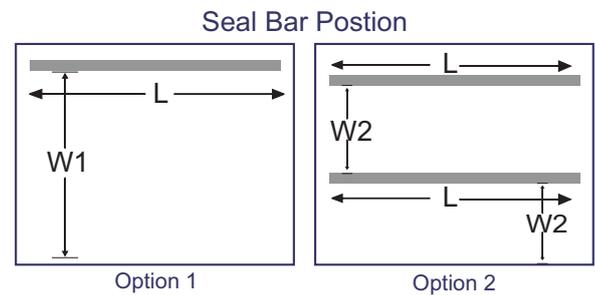
- o Insert Gas Flushing Unit.
- o Vacuum & Gas Control By Sensor For Accurate Level.
- o BUSCH (Germany) Vacuum Pump.
- o Mould And Formers As Per Require Pack Size.

## Technical Specifications

(All Figures are in mm)

MACHINE MODEL	VM-650
Usable Chamber Depth (W)	275
Usable Chamber Height (H)	550
Seal Bar Length(L)	650
Seal Width	8
Machine Dimension(LXWXH)	720x1060x1060
Machine Weight	410 Kg
Voltage	440V-3PH-50Hz
Electric Supply	2.5 KW
Cycle Time	30-35 Sec

# AUTO BELT TYPE VACUUM PACKAGING MACHINE



## Standard Features

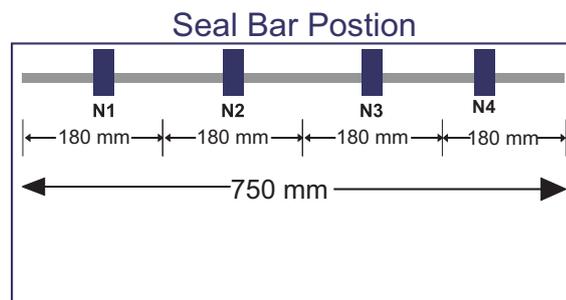
- Continuous Belt Type Model With Auto Start-stop Controlling By PLC (Mitsubishi Japan).
- Design Suitable For Fixed Shape Product Like Panner, Cheese, Khakhra, Poultry Product, Fish, Beef, Etc.
- Suitable For High Productivity.
- One-piece Vacuum Chamber.
- Stainless Steel Body, No Sharp Edges, Use Cast Aluminium & Other
- Nonferrous Materials To Safe Rust Issue And Easy Cleaning

## Technical Specifications

(All Figures are in mm)

<b>MACHINE MODEL</b>	<b>ABV-1100</b>
Distance Between Seal Bars(W1/W2)	400/150
Usable Chamber Height (H)	80
Seal Bar Length(L)	1100
No.of Seal Bars	1/2
Seal Width	8
Machine Dimension(LXWXH)	2000X1725X1350
Machine Weight	650 Kg
Voltage	440V-3PH-50Hz
Electric Supply	4 KW
Cycle Time	15-20 Sec

# CHAMBER LESS NOZZLE TYPE MODELS



Option

## Standard Features

- Nozzle Type Sealing Machine.
- Suitable For Namkeen, Dry-Fruit, Etc.
- Design Suitable For Pre-Made Pouch.
- Specially Design For Modified Atmosphere Packaging.
- Residual Oxygen Content <3% in The Pouch Product.
- Mitsubishi (japan) Plc Based Control With 4-line Lcd Display, Adjustable Vacuum Time, Sealing Time, Etc.
- Stainless Steel Body, No Sharp Edges , Use Cast Aluminium & Other Nonferrous Materials To Safe Rust Issue And Easy Cleaning.

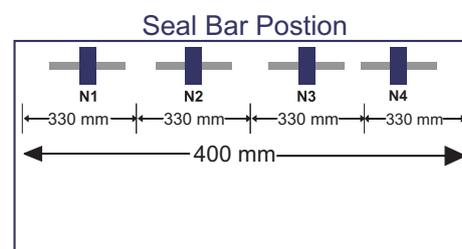
## Optional Features

- Insert Gas Flushing Unit.
- BUSCH (Germany) Vacuum Pump.

## Technical Specifications

(All Figures are in mm)

MACHINE MODEL	HNM-750
Maximum Pouch Seal Length	180
Usable Chamber Height (H)	175
Seal Bar Length(L)	750
No.of Fix Nozzles	4
Seal Width	6/8
Machine Dimension(LXWXH)	920X750X650
Machine Weight	100 Kg
Voltage	230V-1PH-50Hz
Electric Supply	1 KW
Cycle Time	10-15 sec



Option

## Standard Features

- Nozzle Type Sealing Machine.
- Suitable For Namkeen, Dry-Fruit, Etc.
- Design Suitable For Pre-Made Pouch.
- Specially Design For Modified Atmosphere Packaging.
- Residual Oxygen Content <3% in The Pouch Product.
- Mitsubishi (japan) Plc Based Control With 4-line Lcd Display, Adjustable Vacuum Time, Sealing Time, Etc.
- Stainless Steel Body, No Sharp Edges , Use Cast Aluminium & Other Nonferrous Materials To Safe Rust Issue And Easy Cleaning.

## Optional Features

- Insert Gas Flushing Unit.
- BUSCH (Germany) Vacuum Pump.

## Technical Specifications

(All Figures are in mm)

MACHINE MODEL	VNM-330 I
Maximum Pouch Seal Length	350
Usable Chamber Height (H)	300
Seal Bar Length(L)	330
No.of Fix Nozzles	4
Seal Width	6/8
Machine Dimension(LXWXH)	2020X800X1585
Machine Weight	250 Kg
Voltage	230V-1PH/50Hz 440V-3PH/50Hz
Electric Supply	3 KW
Cycle Time	10-15 sec

# THERMOFORMING PACKAGING MACHINE



## Standard Features

- Cycle Speed Is Adjustable By Touch Panel,easy To Read And Operate.
- Durable Stainless Steel Construction.
- High Efficient Vaccum Pump.
- Forming Depth Is Adjustable.
- Machine Can Be Set Up For Clear And Printed Film Fast, Simple,easy Change Over For Die Set.

## Optional Features

- Special Design Available For Various Products.
- Extendable Filling Area.
- Date Injectingdate Thermal Printing,labling,water Cooling Machine.

## Technical Specifications

(All Figures are in mm)

MACHINE MODEL	TMF-500D	TMF-600D	TMF700D
Machine Length	From 2.5 To 3.5 Meters	From 4 To 6 Meters	From 7 To 10 Meters
Capacity	Max.7-8(cycle/min)	Max.8-12(cycle/min)	Max.8-12(cycle/min)
Maximum Cut-off Length	250 mm	300 mm	700 mm
Chains Advancment System		Servo Motor	
Packaging Application	Sealing,vacuum,map,vapor Shrink		
Forming System	Compressed Air, Plug Assisted With Compressed Air, Plug And Vaccum Assited With Compressed Air		
Bottom Film Material	PA/PE,PET/PE/,PVC/PE		
Maximum Forming Depth			
Soft Film	Max.80 mm	Max.120 mm	Max.120 mm
Rigid Film	Max.80 mm	Max.100 mm	Max.100 mm
Bottom Film Width	323-360-420 mm	323-360-420 mm	420-460-520-560 mm
Top Film Material	PA-PE(SUITABLE FOR HOT SEALING,SUITABLE FOR FORMING)		
Packaging Products	Bakery, Confectionary, Dry Fruit, Ready Meals, Meet, Poultry, Cheese, Dairy, Produce, Sea Food, And Medical Products.		

**“We Listen To Our Customers For One Reason  
To Help Them  
Be Successful Because If They Are, We Are Too...”**



**Corporate Office Unit-1:  
Plot No. 377/B Road No. 9, G.I.D.C.,  
Kathwada, Ahmedabad-382 430.  
Gujarat. India.**

**Unit-2:  
Plot No. 220, Road No. 2, G.I.D.C.,  
Kathwada, Ahmedabad-382 430.  
Gujarat. India.**

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**Contact: +91 9099969528,+91 9664909389**

**EMAIL: [powervac@packmechgroup.com](mailto:powervac@packmechgroup.com)/ Web: [www.packmechgroup.com](http://www.packmechgroup.com)**

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