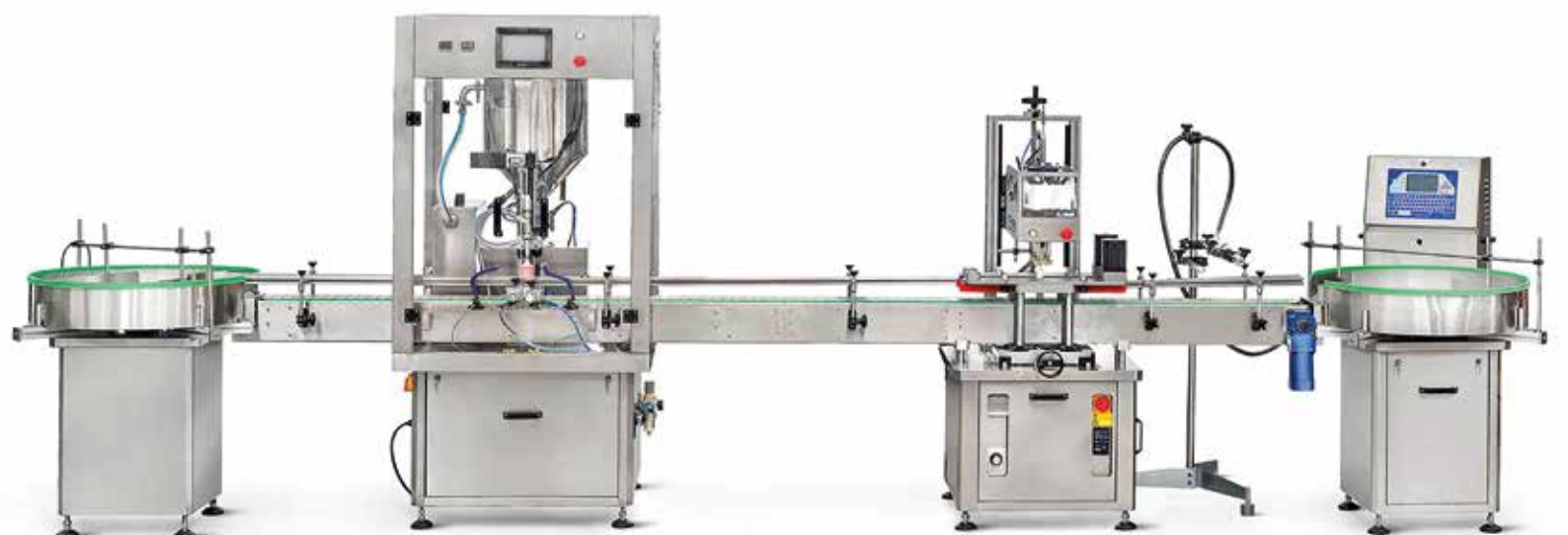




MACHINERY FOR COSMETIC,
PHARMACEUTICAL AND FOOD INDUSTRY

We make your project come true

di Denis



Mancarella

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APPLICATION SECTORS



cosmetics



pharmaceutical



food



nutraceutical



chemical

DMC SRLS DI DENIS MANCARELLA



After more than 20 years as a contractor for the production of plants and machines for the most important Italian and foreign companies, the owner and founder Denis Mancarella has decided to make available the expertise and experience gathered to give life to his own project.

Hence DMC Srls, an Italian company specialized in consultancy, design and construction of production and filling lines for the cosmetic, pharmaceutical and food industries.

A constantly evolving company that since 2014 has been at the entrepreneur side. Our goal has always been to make customers' work easier and more efficient, listening to their needs. Thanks to the constant dedication and commitment, today DMC srls is already recognized in many countries as a reference point.

From consultancy to assembly, with 360 ° support even in after-sales service, our mission is to provide customers with the best solution to their needs, satisfying every mechanical and functional design requirement.

DMC is constantly looking for innovation and development, which translates into high quality machines. Thanks to the combination of advanced technology and customer care in the pre and after sales, DMC has established itself as a competitive company in the Italian and foreign market.

Vacuum Up-Homogenizer Mixer



Technical parameters

Model	Capacity (L)	Homogenizer Power (Kw)	Agitator Power (Kw)	Length (mm)	Width (mm)	Heigth (mm)	Max Heigth (mm)
DMC-VT20	20	0.75	0.37	1800	1600	1850	2700
DMC-VT50	50	2.2	0.37	2700	2700	2015	2700
DMC-VT100	100	3	1.5	2920	2120	2200	3000
DMC-VT150	150	3	1.5	3110	2120	2200	3100
DMC-VT200	200	4	1.5	3150	2200	2200	3100
DMC-VT350	350	4	2.2	3650	2650	2550	3600
DMC-VT500	500	5.5	2.2	3970	2800	2700	3950
DMC-VT1000	1000	11	4	3900	3400	3150	4550
DMC-VT2000	2000	15	7.5	4850	4300	3600	no rise



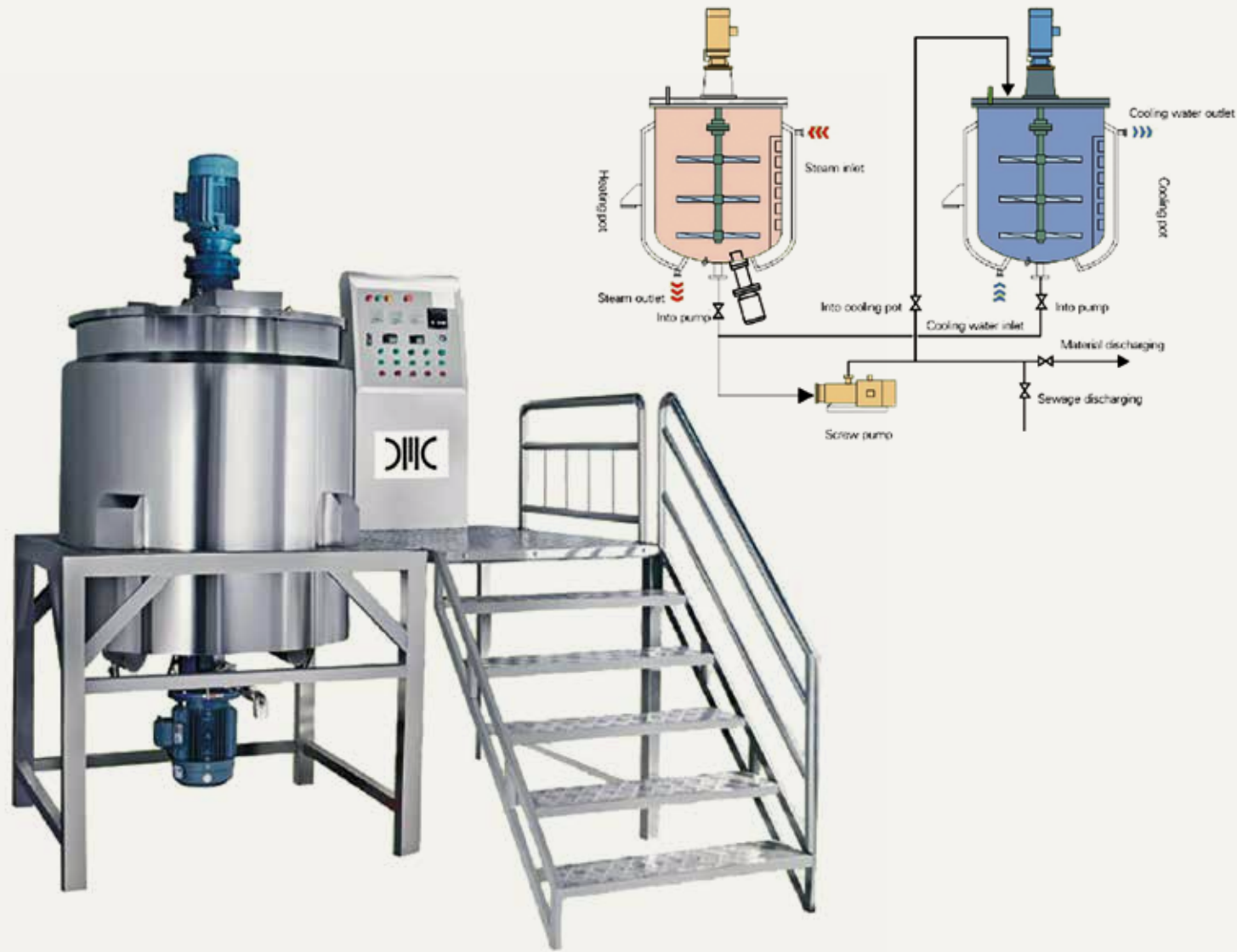
Vacuum Under-Homogenizer Mixer



Technical parameters

Model	Capacity (L)	Homogenizer Power (Kw)	Agitator Power (Kw)	Length (mm)	Width (mm)	Heigth (mm)	Max Heigth (mm)
DMC-T15	15	0.75	0.18	1500	600	1215	1360
DMC-T50	50	2.2	0.18	1850	750	2070	2700
DMC-T100	100	5.5	1.0	2300	850	2110	2700
DMC-T150	150	5.5	2.0	2300	850	2110	2700
DMC-T200	200	5.5	2.0	2380	850	2160	3090
DMC-T350	350	6.5	3.0	1580	2800	2800	3000
DMC-T500	500	7.5	4.0	2900	1500	2750	3300
DMC-T1000	1000	9.0	5.5	2900	2900	3150	4600
DMC-T2000	2000	11.0	5.5	2750	3950	4300	4600

Mixer And Homogenizer Mixer Without Vacuum



Technical parameters

Model	Capacity (L)	Agitator Power (Kw)	Agitator rotation speed	Homogenizer Power (Kw)	Homogenizer rotation speed
DMC-M200	200	1.5	0 ~ 65 rpm	3	3000 rpm
DMC-M500	500	2.2	0 ~ 65 rpm	4	3000 rpm
DMC-M1000	1000	2.2-4	0 ~ 65 rpm	7.5	3000 rpm
DMC-M1500	1500	4-5.5	0 ~ 65 rpm	11	3000 rpm
DMC-M2000	2000	5.5	0 ~ 53 rpm	11	3000 rpm
DMC-M3000	3500	7.5	0 ~ 53 rpm	15	1500 rpm
DMC-M5000	5000	11	0 ~ 53 rpm	22	1500 rpm

Unmovable Vacuum Homogenizer Mixer



Technical parameters

Model	Capacity (L)	Agitator Power (Kw)	Agitator rotation speed	Homogenizer Power (Kw)	Homogenizer rotation speed
DMC-TF200	200	2.2	0 ~ 65 rpm	4	3000 rpm
DMC-TF500	500	4	0 ~ 65 rpm	11	3000 rpm
DMC-TF1000	1000	4	0 ~ 65 rpm	11	3000 rpm
DMC-TF1500	1500	5.5	0 ~ 65 rpm	11	3000 rpm
DMC-TF2000	2000	7.5	0 ~ 53 rpm	11	3000 rpm
DMC-TF3000	3500	7.5	0 ~ 53 rpm	15	1500 rpm
DMC-TF5000	5000	11	0 ~ 53 rpm	22	1500 rpm

System Homogenizing Mixer



Single way mixing & external circulation



Double way mixing & external circulation



Single way mixing & internal circulation



Double way mixing & internal circulation

Vacuum Emulsifying Mixer



Single way mixing & external circulation



Double way mixing & external circulation



Single way mixing & internal circulation



Double way mixing & internal circulation



Storage Tank



Constant temperature tank



Movable open storage tank



Movable heating storage tank



Fixed health standard
storage tank (with mixer)



Movable sealed storage tank



Fixed sealed storage tank

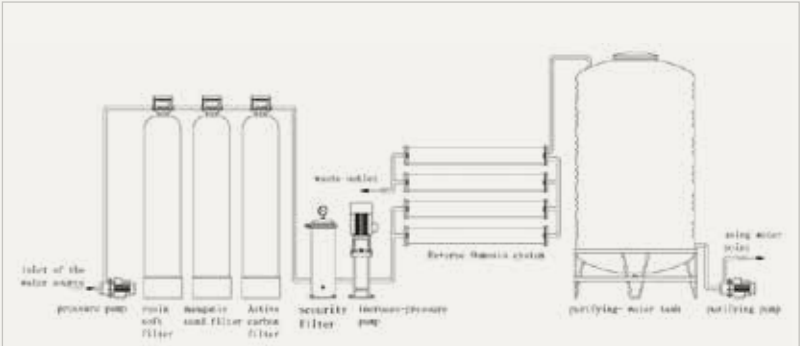
Storage tanks are made in stainless steel. They are equipped with: inlet and outlet mouth, manhole, thermometer, level

indicator, the high and low liquid alarm, fly dustproof, breathing pores, sterile sampling mouth, cip cleaning spray head.

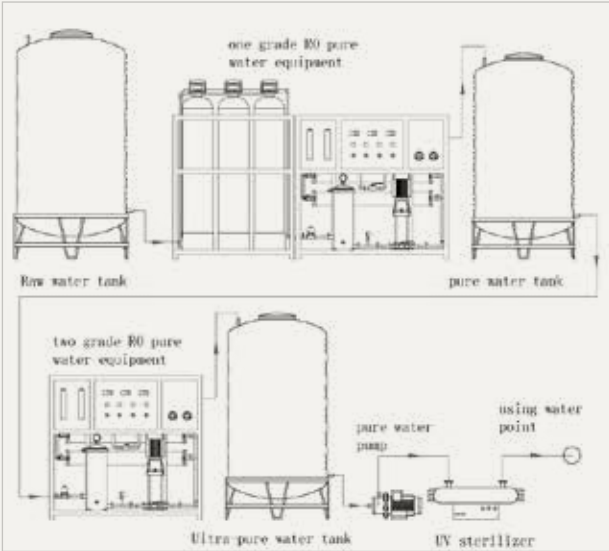
Reverse Osmosis Water Treatment



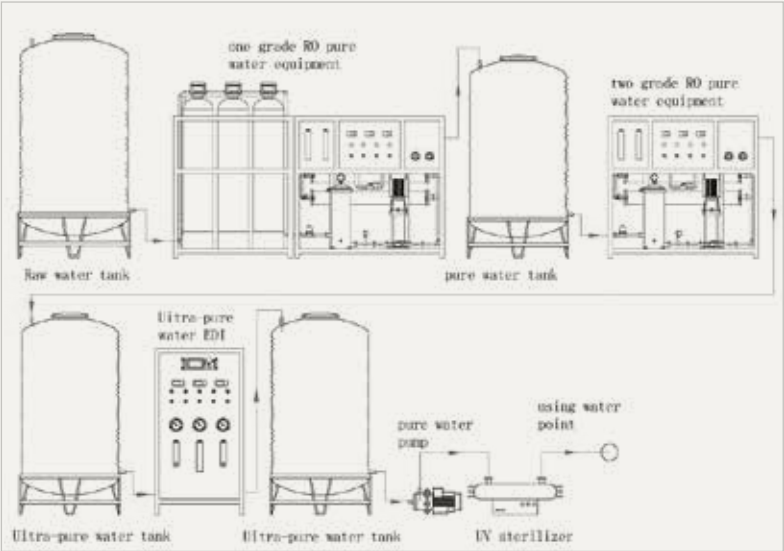
Technological flow chart of water production



Purifying water equipment



Cosmetic using water level



Pharmaceutical using water level



Reverse Osmosis Water Treatment



Reverse osmosis water treatment devices:



Mixed bed



EDI



Ozone generator



Ultraviolet sterylizer

Technical parameters

Model	Capacity (T/H)	Power (Kw)	Recycle rate (%)	First stage pure water conductivity (μ S/cm)	Second stage pure water conductivity (μ S/cm)	EDI pure water conductivity (μ S/cm)	Raw water conductivity (μ S/cm)
DMC-RO500	0.5	2.0	55-75	≤10	2-3	≤ 0.5	≤ 300
DMC-RO1000	1.0	2.2	55-75	≤10	2-3	≤ 0.5	≤ 300
DMC-RO2000	2.0	4.0	55-75	≤10	2-3	≤ 0.5	≤ 300
DMC-RO3000	3.0	5.5	55-75	≤10	2-3	≤ 0.5	≤ 300
DMC-RO5000	5.0	7.5	55-75	≤10	2-3	≤ 0.5	≤ 300

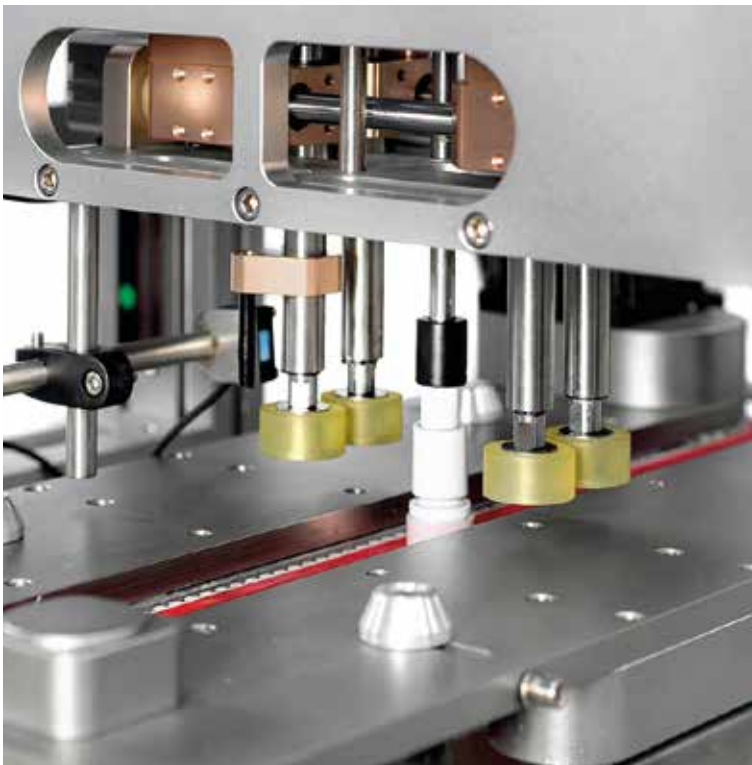
Automatic Filling Production Line



Technical parameters

Model	Filling Volume	Filling head	Filling Precision	Air pressure	Max Output	Product	Filling system	Supply
DMC-FA	10-100 ml 50-500 ml 100-1000 ml (can be customized)	1	±0.5%	4 - 6 bar	800 pcs/h	Creme, lotion, paste	Servo Motor	Air and Electricity
DMC-FA2H		2	±0.5%	4 - 6 bar	800 pcs/h	Creme, lotion, paste	Servo Motor	Air and Electricity
DMC-FA4H		4	±0.5%	4 - 6 bar	800 pcs/h	Creme, lotion, paste	Servo Motor	Air and Electricity
DMC-FA6H		6	±0.5%	4 - 6 bar	800 pcs/h	Creme, lotion, paste	Servo Motor	Air and Electricity
DMC-FA8H		8	±0.5%	4 - 6 bar	800 pcs/h	Creme, lotion, paste	Servo Motor	Air and Electricity

Automatic Capping Machine



Technical parameters

Model	Cap type	Cap diameter	Bottle height	Bottle diameter	Supply	Output	Dimension (LxWxH)
DMC-C	trigger, screw, pump	25-75mm	70-400mm	30-120mm	Air and Electricity	3000pcs/h	2000x800x1600 mm

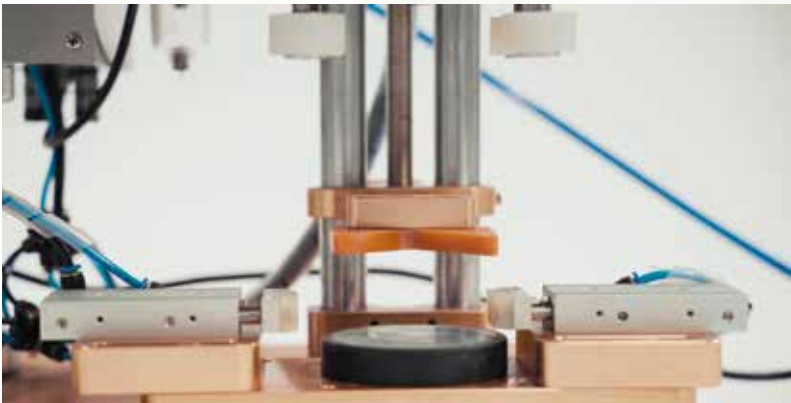
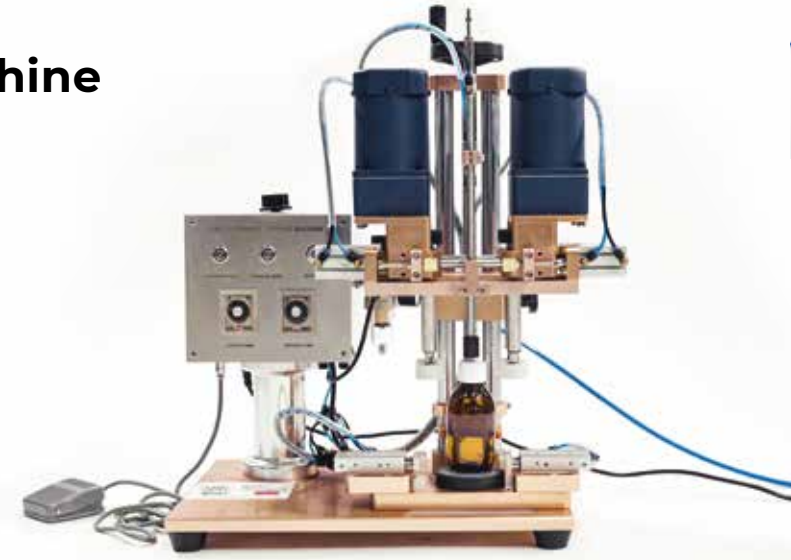
Peristaltic Filling Machine



Technical parameters

Model	Filling Volume	Filling Precision	Filling system	Supply	Dimension (LxWxH)
DMC-FP	5-1000ml	±0.5%	Peristaltic	Electricity	450x450x620 mm

Semi-Automatic Capping Machine



Technical parameters

Model	Cap type	Output	Supply	Dimension LxWxH)
DMC-CSA	trigger, screw, pump	1500 pcs/h	Air and electricity	500x350x660mm

Semi-Automatic Filling Machine



Technical parameters - Semi-automatic vertical Filling Machine

Model	Filling Volume	Filling Precision	Air pressure	Product	Filling system	Supply	Dimension (LxWxH) cm
DMC-FV5	5-50ml	±1%	0.6-0.8Mpa	Creme, lotion, paste	Volumetric	Air	40x40x160
DMC-FV10	10-100ml	±1%	0.6-0.8Mpa	Creme, lotion, paste	Volumetric	Air	40x40x160
DMC-FV15	15-150ml	±1%	0.6-0.8Mpa	Creme, lotion, paste	Volumetric	Air	40x40x160
DMC-FV25	25-250ml	±1%	0.6-0.8Mpa	Creme, lotion, paste	Volumetric	Air	40x40x160
DMC-FV50	50-500ml	±1%	0.6-0.8Mpa	Creme, lotion, paste	Volumetric	Air	40x40x160
DMC-FV100	100-1000ml	±1%	0.6-0.8Mpa	Creme, lotion, paste	Volumetric	Air	40x40x160
DMC-FV250	250-2500ml	±1%	0.6-0.8Mpa	Creme, lotion, paste	Volumetric	Air	40x40x190
DMC-FV500	500-5000ml	±1%	0.6-0.8Mpa	Creme, lotion, paste	Volumetric	Air	40x40x190

Technical parameters - Semi-automatic vertical Filling Machine with heating

Model	Filling Volume	Filling Precision	Air pressure	Temperature	Supply	Dimension (LxWxH)
DMC-FVH5	5-50ml	±1%	0.6-0.8Mpa	0/+80°C	Electricity	400x710x1730mm
DMC-FVH10	10-100ml	±1%	0.6-0.8Mpa	0/+80°C	Electricity	400x710x1730mm
DMC-FVH15	15-150ml	±1%	0.6-0.8Mpa	0/+80°C	Electricity	400x710x1730mm
DMC-FVH25	25-250ml	±1%	0.6-0.8Mpa	0/+80°C	Electricity	400x710x1730mm
DMC-FVH50	50-500ml	±1%	0.6-0.8Mpa	0/+80°C	Electricity	400x710x1730mm
DMC-FVH100	100-1000ml	±1%	0.6-0.8Mpa	0/+80°C	Electricity	400x710x1730mm
DMC-FVH250	250-2500ml	±1%	0.6-0.8Mpa	0/+80°C	Electricity	400x710x1900mm
DMC-FVH500	500-5000ml	±1%	0.6-0.8Mpa	0/+80°C	Electricity	400x710x1900mm

Tube Filling & Sealing Machine



Technical parameters

Model	Sealing System	Dimension (LxWxH)	Supply	Type
DMC-STM	Induction Sealing	900x650x650mm	Air and Electricity	Composit Tube

Model	Filling Precision	Air pressure	Product	Dimension (LxWxH)	Supply	Output
DMC-STFS	±1%	6 bar	Creme, lotion, paste	1600x1020x1200 mm	Air and Electricity	20-40 pcs/min

Model	Filling Precision	Tube diameter	Product	Dimension (LxWxH)	Supply	Output
DMC-STFSA	±1%	ø10- ø60 (adjustable)	Creme, lotion, paste	2500x1200x2400 mm	Air and Electricity	50-70 pcs/min

Packaging Machine



Liquid Sachet Packaging Machine

Technical parameters

Model	DMC-BSL
Filling Volume	5-50ml
Filling Precision	±0.5%
Sachet dimension (WxL)	50mm x 90-120mm
Sachet material	PE / aluminium foil / nylon / tea filter paper
Bag type	4 sides sealing (can be customized)
Product	Cream, lotion, paste
Output	30-50 pcs/min
Supply	Electricity
Dimension (LxWxH)	640x760x175mm



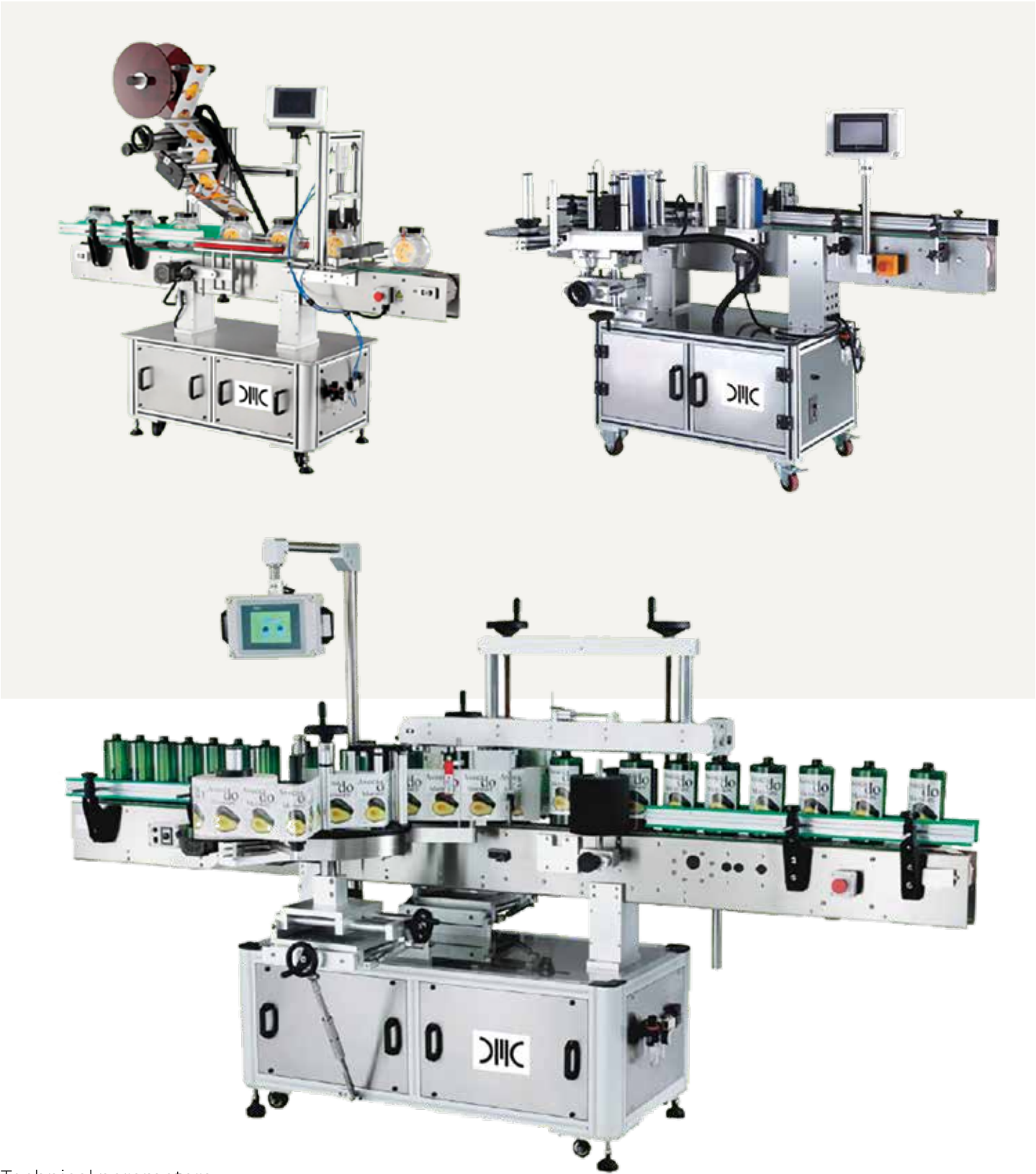
Powder Sachet Packaging Machine

Technical parameters

Model	DMC-BSP
Filling Volume	5-50gr
Filling Precision	±0.5%
Sachet dimension (WxL)	50mm x 90-120mm
Sachet material	PE / aluminium foil / nylon / tea filter paper
Bag type	4 sides sealing (can be customized)
Product	Powder
Output	30-50 pcs/min
Supply	Electricity
Dimension (LxWxH)	750x700x1700mm



Labeling Machine



Technical parameters

Model	Output	Bottle Diameter	Bottle Height	Label Length	Label Width	Labeling Accuracy	Dimension (LxWxH)
DMC-AL	20-50 pcs/min	25-120 mm	25-300 mm	20-290 mm	20-130 mm	±1%	1950x1200x1530 mm

Inkjet Printer



Technical parameters

Model	Character Height	Printing Area	Printing Speed	Printer Head	Printing Material	Dimension (LxWxH)
DMC-IP	1 -25 mm	1-4 lines	200 m/min 1305 characters/s	Rotating 360°	Glass, metal, plastic, paper	500x300x650 mm

Stepless Speed Adjustment Conveyor



High Shear Dispersing Emulsifier



Diversified homogenizer



Technical parameters

Model	Lifting	Dimension	Power	Mixing Head
DMC-PM	Electrical or Pneumatic	1200x1400x3500 mm	5.5 Kw	With Homogenizer or Mixer



Cosmetic Production Auxiliary Equipment



Imported homogenizer



Mixer

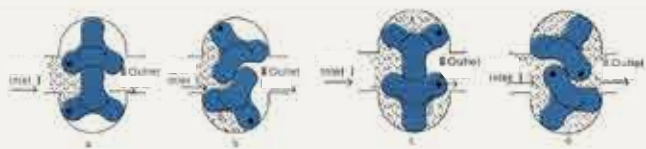


Homogenizer

Transfer Pump

Working principle

The rotor pump is also called as colloid pump, trefoil pump, sole pump. During the rotation of the two rotors, which make synchronous reverse rotation, the rotor pump produces vacuum degree suction at the inlet, so as to suck the materials to be transported. The two rotors separate the rotor chamber into several small spaces and rotate according to the sequence of a b c d. When rotating to position a only chamber 1 is filled with media; and go on.



Rotor pump



Screw pump



Rotor

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