



ISO 9001 & ISO 14001
OHSAS 18001

BUREAU VERITAS
Certification



FPM Automatic Packing Machine for Powder and Granular Products

- تعمل على تعبئة جميع البودرات الدوائية بأنواعها .
- جميع الأجزاء الملامسة للمنتج مصنوعة من الـ St. St. 316L
- يتم التحكم في مقياس الكيس بسهولة .
- الماكينة تعمل عن طريق Touch screen أو لوحة تحكم.
- إمكانية التحكم في سرعة الماكينة.
- الماكينة تعمل على تعبئة البودرات الجافة (الخشنة والناعمة) عن طريق Auger
- أو عن طريق Cups طبقاً لنوع البودرة.
- سرعة الماكينة تتراوح من ٣٠٠٠ - ٥٠٠٠ كيس / دقيقة .



FVFM Automatic Packing Machine. Filling & Sealing

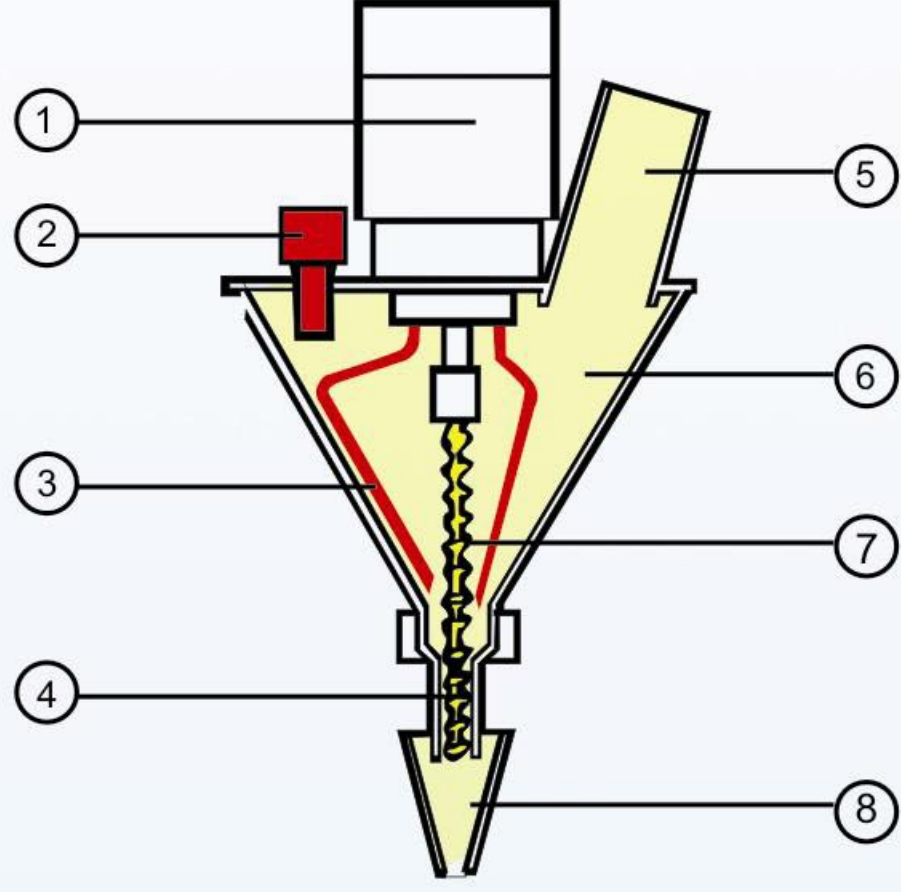
- الماكينة تعمل بنظام Auger أو Cups.
- جميع الأجزاء الملامسة للمنتج مصنوعة من St. St. 316 L
- الماكينة تعمل على تعبئة البودرات والحبيبات والسنالكس.
- جميع المكونات مستوردة من أوروبا.
- سرعة الماكينة من (٥٠٠ - ١٥٠٠ عبوة / ساعة) .



FPFM

Automatic Powder Filling Machine

Filling Systems



Auger Filler

- | | |
|-------------------|--------------------|
| 1 Drive mechanism | 5 Product inlet |
| 2 Level control | 6 Hopper |
| 3 Stirrer | 7 Filling screw |
| 4 Filling tube | 8 Discharge funnel |



- الماكينة تعمل بنظام Auger أو Cups.
- جميع الأجزاء الملامسة للمنتج مصنعة من St. St. 316 L
- السير عقل P.V.C مستورد أسباني.
- المواير مستوردة أوروبية.
- الماكينة تعمل على تعبئة الزجاجات بالبودرة من ١٠ جم إلى ١٠٠٠ جم.
- سرعة الماكينة من (٥٠٠ - ١٥٠٠ عبوة / ساعة) .

FAFM

Forming Automatic Filling Machine

- تعمل الماكينة على تعبئة البودرات بنظرية Cups من ٥٠ جم حتى ١٠٠٠ جم.
- جميع الأجزاء الملامسة للمنتج مصنعة من St. St. 316 L
- السيور مستوردة من أسبانيا.
- جميع المواير ومكونات الكهرباء مستوردة من أوروبا.
- سرعة الماكينة من (٥٠٠ - ١٥٠٠ عبوة / ساعة) .



FFAFM Forming Fully Automatic Filling Machine

TECHNICAL DETAILS

Production Rate	up to 120 fills / min. for single dose up to 60 fills / min. for double dose up to 40 fills / min. for triple dose
Fill Capacity	50 Mg. to 1.5 gms. - SINGLE Dose (with the help of Two Different Powder Wheel) 1.5 gms. to 4.5 gms. - DOUBLE & TRIPLE Dose. Fill range is depending upon vial opening & bulk density of powder
Accuracy	± 1% Depending upon the consistency, uniformity & bulk density of powder under the controlled level of humidity
Electrical Rating	0.75 HP (1400 RPM) Motor
Power Requirement	440 Volts, 3 phase (4 Wire System) 50 Hz
Height Of Conveyor	Adjustable from 800 mm to 850 mm
Dimension	1715 mm (L) x 609 mm (W) x 1615 mm (H)
INPUT SPECIFICATIONS	
Container Diameter	25 mm to 45 mm
Container Height	75 mm Maximum

Note: Dimensions & Technical Details are subject to change as per customers' requirement without any further notice.



FHAD Forming Hot Air Dryer

Hot Air Dryer (Oven)

- **Designed & manufactured according to GMP guidelines.**
- **All parts contact the product made of Stainless steel 316L.**
- **Drying temperature: up to 100 °C.**
- **Loading capacity : the loading is distributed on one trolley or two trolleys in stainless steel .**
- **Suitable to carry 40 trays or 80 trays.**
- **Trays are made of St. St. 316L with curved corners.**
- **Size of tray 360mm x 775mm x 30mm.**
- **The capacity of oven 150 kg up to 300 kg.**
- **Internal chamber with rounded corners.**
- **Chamber internal dimensions:**
 - **Max Width 200 cm**
 - **Max Depth 95 cm**
 - **Max Height 175 cm**
- **Heating: by electric system or steam system.**
- **The filtration of air by prefilter or bag filter.**
- **Suction dampers are made of stainless steel 304 L & controlled manually.**
- **Temp. Sensor Type PT100 up & down of the Oven.**
- **Chimney carried out the super heated air from the Oven.**
- **Thermal insulation Rock wall from German.**
- **Temp. recorded by chart recorder.**
- **Temp. Adjust by regulator temp.**



FCM

Forming Coating Machine (Solid & Perforated)

- Capacity of coating machine: 150 kg.
- Diameter of pan: about 1500 mm.
- Depth of pan: about 1500 mm.
- Main hole diameter for input tablet: 600 mm.
- R.P.M for coating pan: 1.5 up to 11 rev/min.
- Coating pan made from St. St. : 316 L according to G.M.P.
- Outside parts of pan St. St. 304 L according to G.M.P.
- Motor: complete with Gear Box 5.5 HP 220 & 380 volt three phase made in German.
- Variable speed R.P.M. By inverter ABB type.
- Automatic Damper St. St. 316L
- Machine Contain C.I.P. For cleaning the machine according G.M.P.



FHSM

Forming High Sheer Mixer

High shear granulator is designed to achieve excellent Mixing and consistent granules at lower operating cost Along with higher productivity. Better mixing and close Control of granule size leads to faster tableting speeds with improved quality and least rejections.

SALIENT FEATURES

- Homogeneous binder distribution.
- Short batch time and reduce cleaning time.
- Maximize CIP effectiveness.
- Air purge sealing system for main stirrer shaft and granulator shaft.
- All internal contact parts are polished to the mirror finish.
- PLC based operating panel for precise control of process & automation.
- A high-speed granulator is inserted horizontally through wall of bowl to assist blending of powder and to break the product to the granules of required size.
- The seal housing and drive shaft may be flushed with cleaning water, which is then drained away from the machine through built in drain tubes.
- Granulator motor is provided with a removable stainless steel shroud which covers the motor and simplify cleaning.
- All moving parts of the machine are totally enclosed to eliminate accident.
- The machine can not be started unless and until the mixer cover is properly closed.
- All contact parts are made out of SS304. SS316 provided on demand on extra cost.
- Flush wall type discharge valve eliminates pockets at the port of discharge valve.



TECHNICAL DETAILS

Model available from 25 Liters to 250 Liters capacity gross capacity. The gross capacity & working capacity in liters and working capacity in Kgs. are as below.

Model	Gross Capacity Capacity	In Lit.	Working Capacity In Lit.
RMG - 25	25	20	10
RMG - 100	100	80	40
RMG - 150	150	120	60
RMG - 250	250	200	100

FPTM

Forming Press Tablet Machine

A high output (suitable for large batch production more than half a million tablets / hr. Max.) double sided tablet press with pre-compression and hydraulic power pack and auto lubrication.

Designed and engineered to adhere the latest cGMP standards.

Suitable for PLC operations as optional.

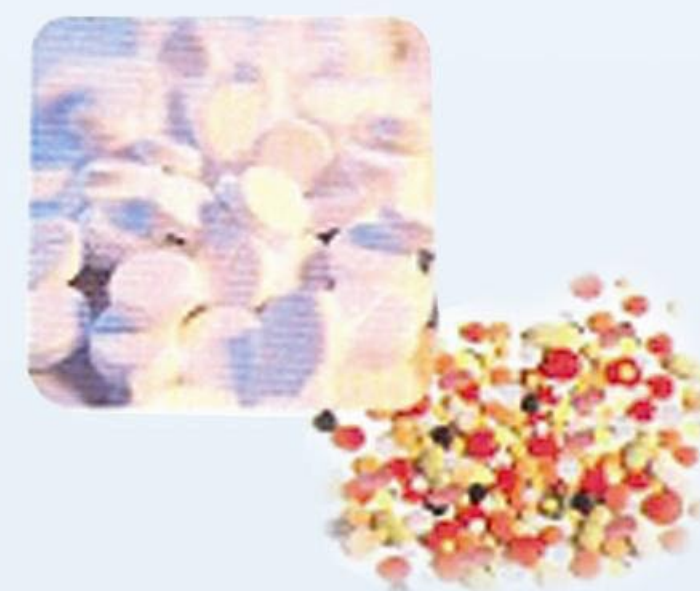
Ability to incorporate so many customized functions and features.

TECHNICAL DETAILS

Type	SB-51	SB-61	SB-75	SB-81
Nos. of Stations	51	61	75	81
Type of Tooling				
Punch	D	B	B	B
Die	D	B	BB	BB
Max. operating load (Main) (kN)	100	65	65	65
Max. pre-compression load (kN)	10	10	10	10
Max. tablet dia. (mm)	25.4	16	13	11.1
Depth of fill (mm)	20.0	17.5	7.5	17.5
Turret RPM Max.	50	60	60	60
Turret RPM Min.	18	18	18	18Max
Output (Tablets/hr)*	3,04,000	4,39,200	5,40,000	5,83,200
Upper punch penetration		3.0 to 5mm		
Total power (kW/H.P.)		10.5/14.5		
Main electric motor		12.5HP / 3 phase /AC		
Force feeder electric motor (02 Nos)		0.5 HP /3 phase /AC		
Overall dimensions(mm) (LxWxH)(with open guards)		1810 X 1810 X 2200		
Charging height (mm)		1991		
Discharge height (mm)		710		
Floor space (mm)		1640 X 1610		
Approx case dimensions		1900 X 1900 X 2500		
Approx weight of all models: Net Weight (kg) 4100		Gross Weight (kg) 4900		



Note: Dimensions & Technical Details are subject to change as per customers' requirement without any further notice.



Forming Punches



Having an in-depth understanding of the pharmaceutical industry's requirements and well equipped to meet the challenges, we are now looking further to be your best option for dies and punches for tablet shaping.

We are able to achieve low distortion, consistent hardness and improved finish on all commonly used tooling. Due to the in-house vacuum furnace heat treatment system and the most modern grinding, polishing and lapping plant we ensure a high degree of constant dimensional stability.

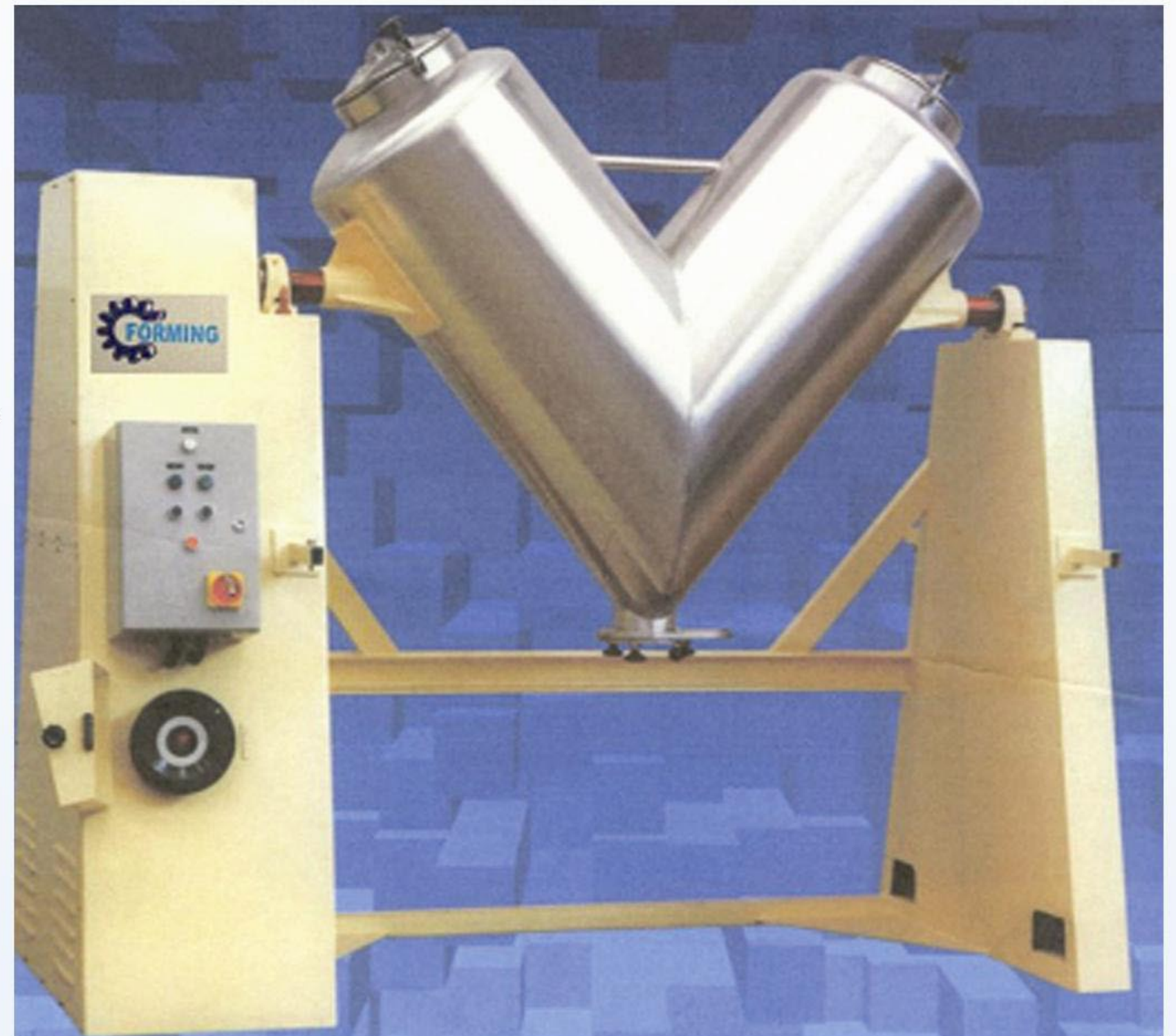
At Forming, a professional team of customer service and skilled engineers offers you a prompt service and effective solution on your requirements.



FVB Forming V-Shape Blender

Specifications:

- Total capacity 700 It.
- Working capacity 300 It.
- Fixed speed 20 rpm
- The mixer consists of:
- A container made up by two shaped tanks “V” type connected
- All parts in contact with the product are made of stainless steel AISI 316
- Other parts made of Steel
- Charging opening Ø 400 mm at the top of the tanks.
- Reduction gear motor HP 5.3 V.380 Hz.50 IP 55.
- Bearing structure in sheet and carbon steel profiles
- Front protecting bar equipped with safety limit switch.
- The body of the mixer rotates on two supporting units with swinging bearings.
- Electric control board IP 55 with timer.



FDC Forming Double Cone

- Capacity up to 1000 liter.
- All parts contact with the product must be St.St.316 L.
- Double cone made from St. St. 316L according to G.M.P& F.D.A regulations.
- Variable speed (drive ABB).
- Heavy-duty motor with gearbox (New).
- Discharge Hole with diameter 15 cm with butter fly valve.
- Loading Hole with diameter 40 cm. closed by hinged cover with silicon gasket.
- Safety guide with limit switch.
- Frame made of steel and coated by Epoxy.

*** Electrical panel :**

Provided with the following (Omron. Telemecanique, merlin gran)

1. Timer for operation
2. Back switch.
3. Potentiometer for increasing and decreasing the motor rpm.
4. Indicator for motor RPM.
5. Switch to stop the double cone in vertical position.
6. Emergency stop.



FPMM

Forming Power Milling Machine

SALIENT FEATURES

GMP point of view machine is provided with SS cladding on base, SS bell guards, SS cover on motor & starter. No exposed painted surface of the machina. Motor rails screw and guide rods are chrome plated.

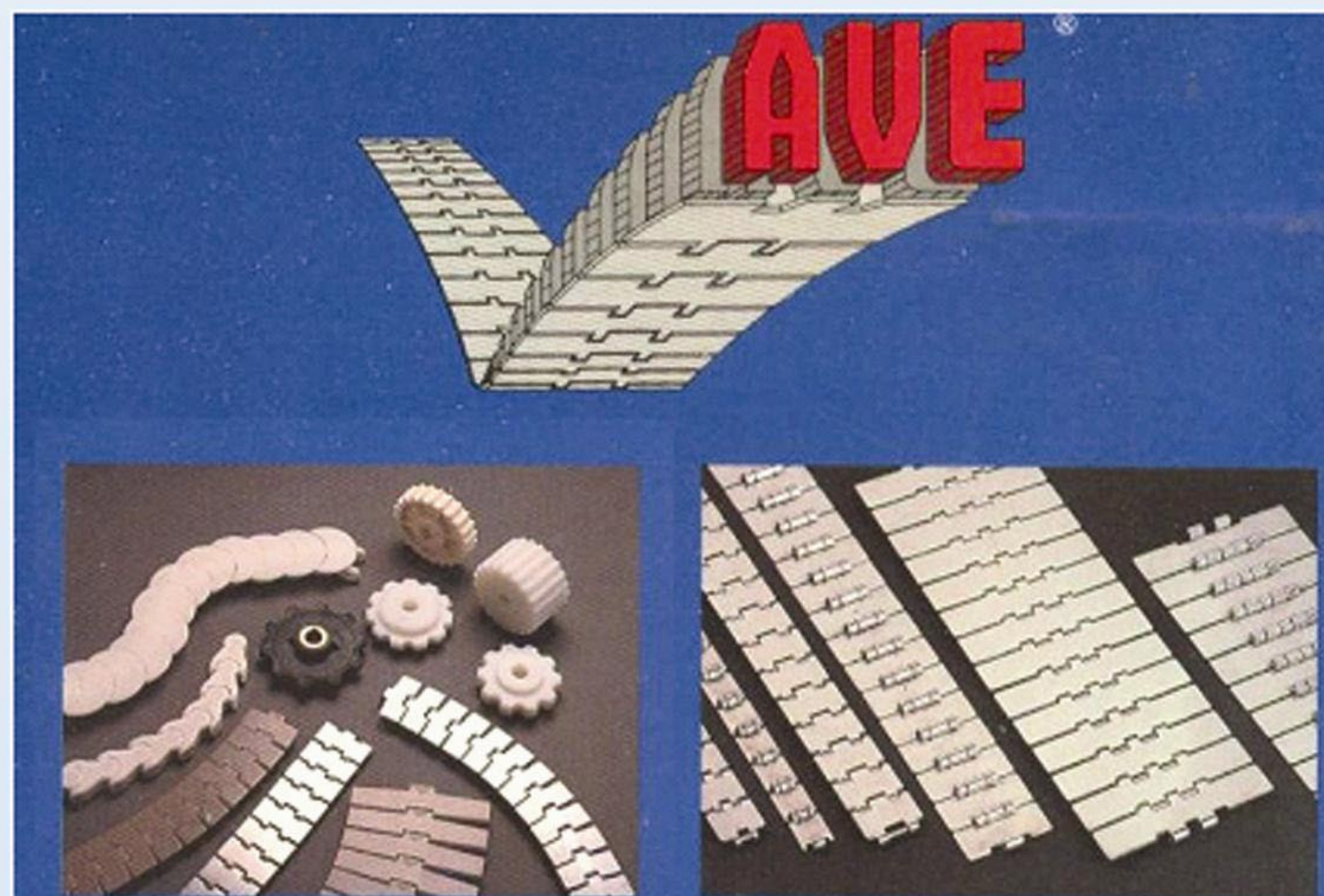
Beaters assembly bearing are in a separate pillow blocks for ease in maintenance.

Very less down time as only beaters assembly will have to be reversed (and not the complete chamber) for making it knife to impact forward or vice-versa which can be done by single operator.

Fixed beaters assembly is provided as a standard supply which increases the output by 10 to 30 %, reduces noise level and is easy to clean as there are no cavities. (If product demands, swing beaters assembly can be provided.)

TECHNICAL DETAILS

Models	SB-I	SB-II	SB-III	SB-IV
Out Put (Kg/Hr)	50 To 800	50 To 800	50 To 800	25 to 400
Nos. of Beaters	16	16	16	16
Beater Speed (rpm)	1000/2250/4500	Variable from 1000 to 4500	1000/2250/4500	Variable from 1000 to 4500
Beater Motor	7.5HP/3 P./AC	7.5HP/3 P./AC	7.5HP/3 P./AC	7.5HP/3 P./AC
Feed screw Motor	Not Applicable	Not Applicable	0.5 HP / 3 P. / AC	0.5 HP / 3 phase / AC
Feed Screw Speed (rpm)	Not Applicable	Not Applicable	2 to 15 & 6 to 60	2 to 15 & 6 to 60
Screen Width (mm)	152 (6")	152 (6")	152 (6")	152 (6")
Screen Area (sq. mm)	66825	66825	66825	66825
Screen Dia (mm)	281	281	281	281
Electric Supply	7.5 hp/3 Phase/AC	7.5 hp/3 Phase/AC	8 hp /3 Phase/AC	8 hp /3 Phase/AC



CHAINS & CONVEYOR COMPONENTS



FBM

Forming Blowing Machine



- **Totally made of S.S. Pipe structure with adjustable sorews for height adjustment.**
- **Total GMP model.**
- **Require less installation space.**
- **No timing setting is required to be done.**
- **Less change over time for change parts.**
- **High capacity blower suck the minute particle from bottle, ensure good cleaning of bottles.**
- **Low RPM but High out put**



MAGNETIC STIRRERS

Automatic Single, Double & Three Head Cream /Lotion Filling M/c.

GMP Model



Description:

Automatic Cream / lotion Filling Machine works on volumetric principle with rotary valve type piston. The unit is made compact, versatile and enclosed in stainless steel elegantly matt finish body, of S.S Slat Conveyor, with self-centering devices & Stainless Steel Piston. The main drive of the machine and conveyor drive consist of A/C Motor with synchronized variable A/C Frequency drive. Containers moving on S. S. Slat conveyor, feed below the filling nozzles through a settable twin pneumatically operated valve system. The twin pneumatically operated stopper system and can precisely match for centering of container below nozzles, to avoid spillage of Cream / lotion on container.



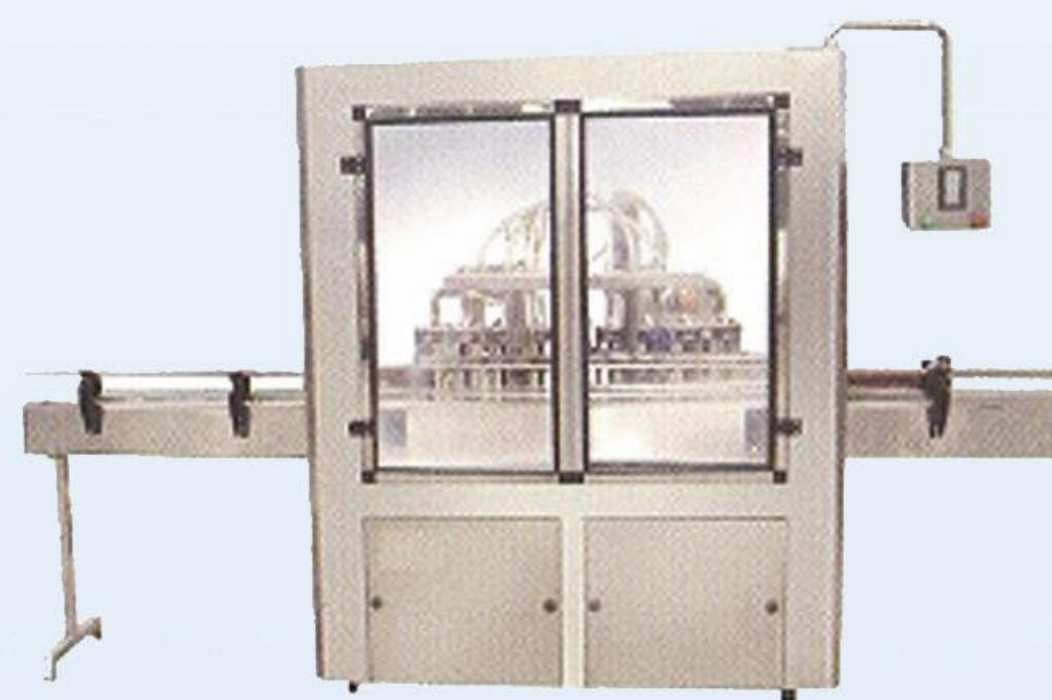
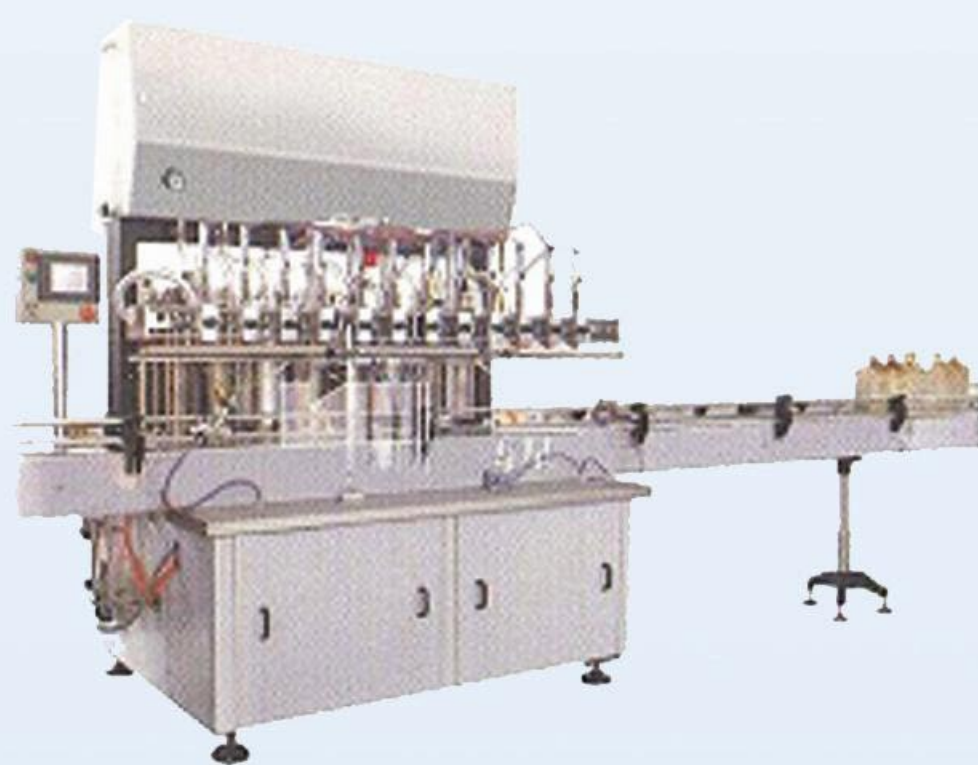
Technical Specifications :

Model No.	SBCPF-45	SBCPF-80	SBCPF-120
Power	440 Volts / 3 Phases / 50 Hz		
Air pressure	4 - 6 Kg		
Out / Put Speed	Up to 45 BPM	Up to 80 BPM	Up to 120 BPM
Filling range	2 gm to 1000 gm	Power input	2 Kw



Automatic Two, Four, Six & Eight Head Volufill Oil Filling M/c.

Suitable for 250 ml to 25 Ltrs



Operation:

Machine is having its own pumping system to connect the machine with the main / buffer tank of the product. The volume to be filling is measured by the measuring devices, which consist of multi piston positive displacement Volufill device. The flow of liquid is to be measured and converted in to electronic pulses by encoders and controlled by PLC (Programmable Logic Controller) .All settings to be done on the MMI (man machine interface) keypad which is provided on the control panel. The machine is totally flexible, universal and "filler friendly"



Technical Specifications :

Model	SB Volufill 5000 x VF - 30
Filling Range	250 ml to 25 Ltrs
No of filling Heads	2 / 4 / 6 / 8
Filling Mode	Automatic by Volume
Application	For Filling Oil / Vissous Liquid

Filling Speed:

250 ml to 5000 ml - Up to 100 Bottles per minute - depend of filling volume and neck size of bottles /Jar.

Accuracy:

Repeat accuracy of filling is +/-0.25% of the filled volume.

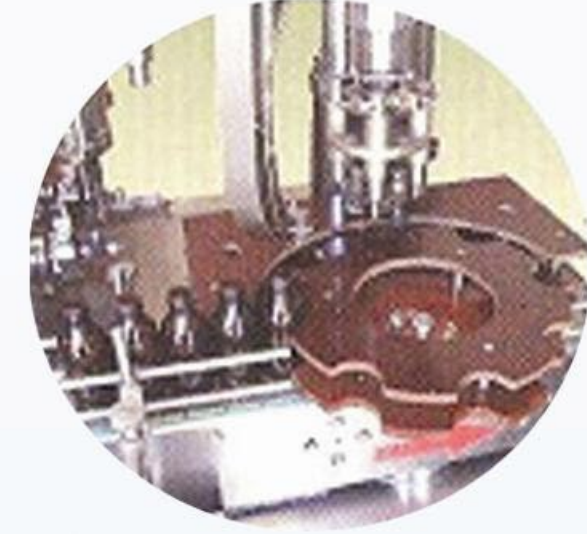
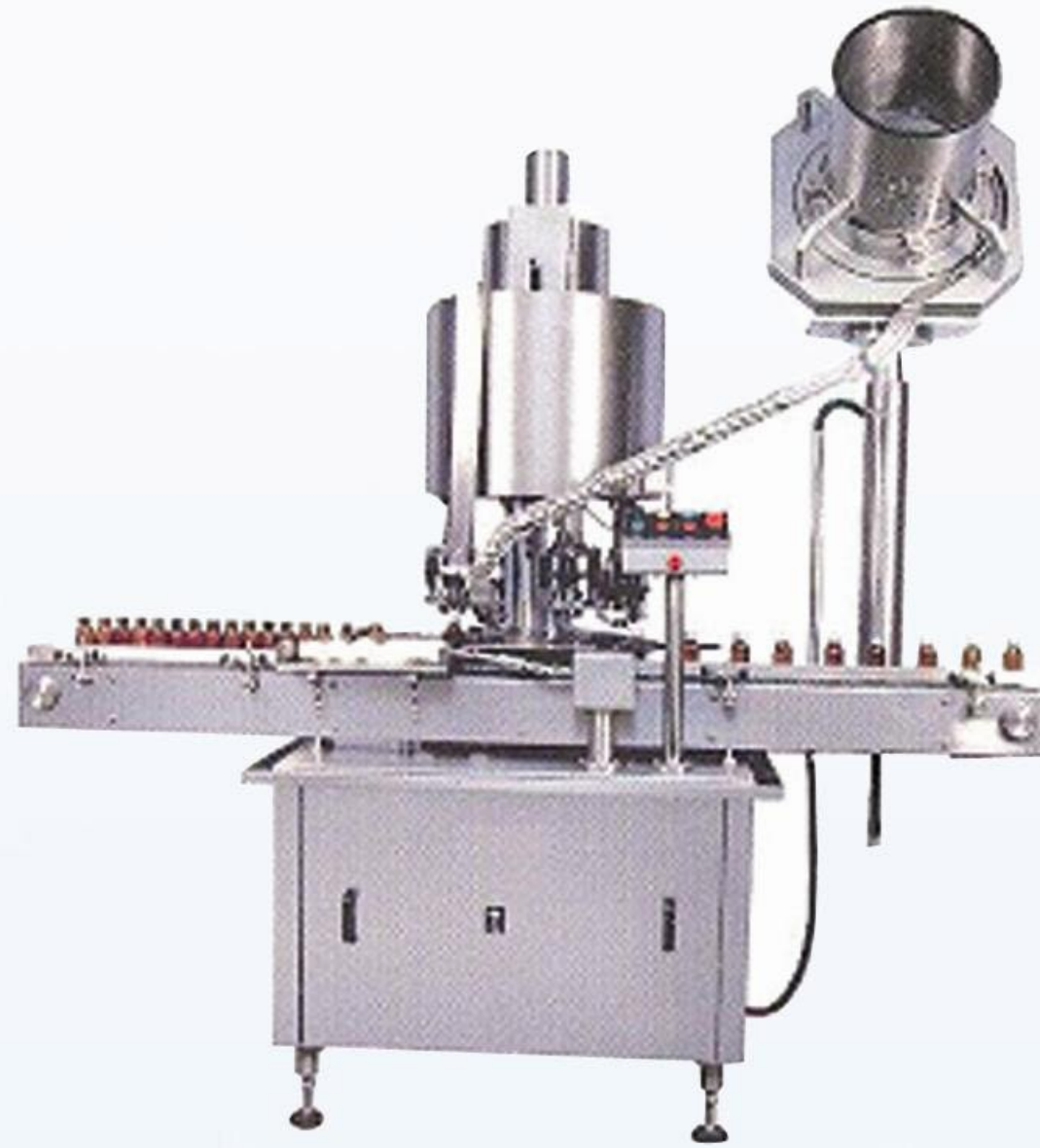
Safety Device:

"No bottles no fill" sensor will ensure that filling does not take place when bottles are not in alignment with the nozzle.



Automatic Single, Four, Six & Eight Head Screw Cap Sealing M/c.

GMP Model



Description:

"FORMING" Automatic Screw Capping Machine is versatile, self-supported on stainless steel leg with height adjustable adjustment system. The machine is precision built on sturdy welded steel frame completely enclose in stainless steel sheet and doors are providing to facilitate the servicing of machine.

Operation:

The feed container moving on conveyor belt are feed into an in-feed star wheel, bringing the container below the sealing head in the subsequent indexing part, mean while the rotating head pickup a cap from the cap star wheel which is receiving from delivery chute of cap filling bowl, where the body and the neck of the container are positioned below the rotating head, where the sealing head is performing perfect operation of sealing, rotating head is design to seal container according to pre-set torque.

Technical Specifications :

Model	SBCS - 60S / 100S	SBCS - 150S	SBCS - 200S
Output/Hour*	Up to 3600 BPH for Single Head 3600 to 6000 BPH for Four Head	3600 to 9000 bottles	4000 to 12000 bottles
Direction of Movement	Left to Right	Left to Right	Left to Right
No. of sealing head	1 Head / 4 Head	6 Nos.	8 Nos.
Change parts required	(A) Container: Star Wheel, Back Guide, Feed Worm (B) Cap Die, Delivery chute, bowl & S.S. Star wheel.		

*Depends on bottle size, cap size and type of cap. ** We can supply as per customer requirements. *** With help of change parts.

Salient Features:

- > No container no cap arrangement.
- > Single motor synchronizes conveyor, star wheel & platform turret.
- > Adjustable height of conveyor belt.
- > All contact parts are made out of stainless steel.
- > Pick & Place arrangement.
- > Torque adjustable.
- > Low noise level, low power consumptions.
- > AC frequency drive for variable speed

FSAF Forming Semi Automatic Filling M/C.

- الماكينة تعمل بـ Nozzle واحد مصنع من St.St. 316 L المقاوم للتفاعلات الكيميائية .
- Feeding pump من St.St. 316 L المقاوم للتفاعلات الكيميائية وغير قابل للصدأ مصنع على أحدث ماكينات C.N.C والقطع بالواير .
- تحدد الجرعة عن طريق Counter مع ضمان دقة الجرعة المحددة من (3cc : 1000cc)
- تشغيل الماكينة أو Manual أو Automatic .
- الكنترول مصمم بحيث يضمن الحماية الكافية لجميع مكونات الماكينة .
- الكنترول مصمم بحيث يضمن ثبات الجرعة المطلوبة وأنقطاع السائل بعد نزول الجرعة .
- طاقة الماكينة حوالي ١٨٠٠ عبوة / ساعة
- الماكينة مصنعة طبقاً لمواصفات G.M.P



FWB

Forming Weighting booth and Sampling room

1- Frame:

- The internal frame is completely constructed of St. St. 304 L steel smooth finish.
- The frame is very rigid, proof against deformations and alterations.
- The internal and external frame dimension depend on the area.

2- Ventilation:

- The air flow velocity constant automatically at 0.4 m /s +/- 10% at working.
- The cabinet is equipped with adjustable exhaust and fresh air dampers.

3- Filtration:

- The cabinet is equipped with three types of filters: a-bag filter. b-Pre filters. c-HEPA filters with efficiency 99.997% for particles greater than 0.3 micron.
- HEPA filters are equipped with magnehelic differential pressure gauges.



FFC

Forming Feeder Carton

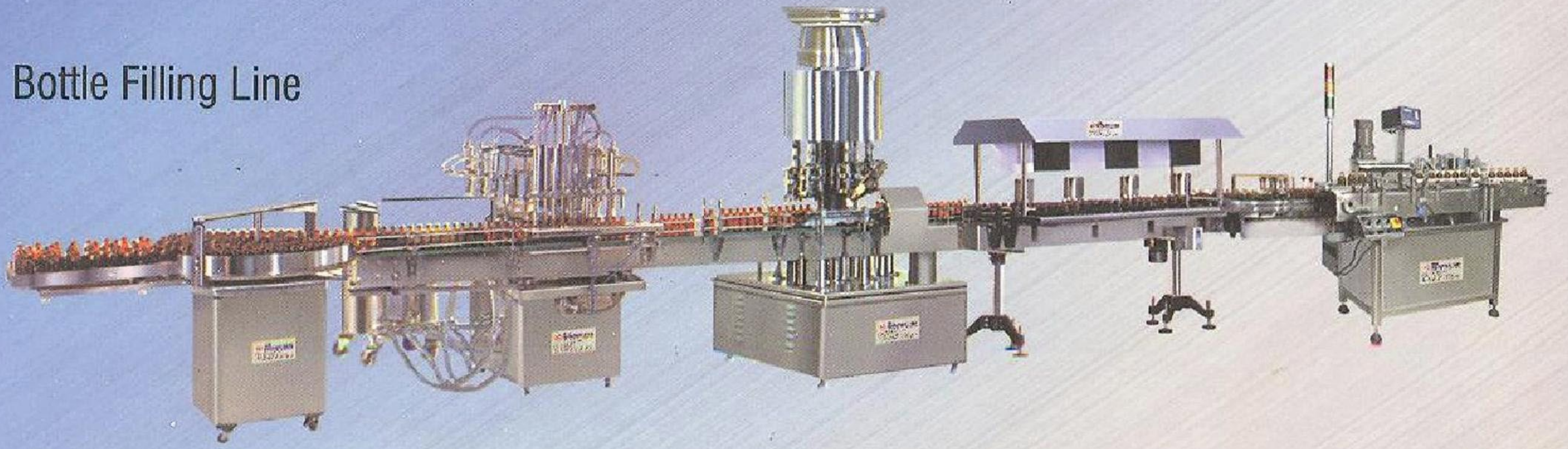
- هي فكرة جديدة تم أبتكارها بمعرفة شركة فورمينج .
- يمكنك الحصول على وحدة طباعة كاملة بطريقة أتوماتيك وأقتصادية جداً .
- وهي عبارة عن وحدة رص الكرتون عن طريق خزانة الكرتون ثم توزيعها بمسافات منتظمة على السير .
- يمر الكرتون المنتظم من خلال ماكينة Inkjet فتتم عملية الطباعة أتوماتيك بسرعة من ٤٠٠٠ - ٩٠٠٠ كرتونة/ساعة طبقاً لعرض الكرتون .
- بعد ذلك يتم أستقبال الكرتون المطبوع على سير رصاص .

المميزات :

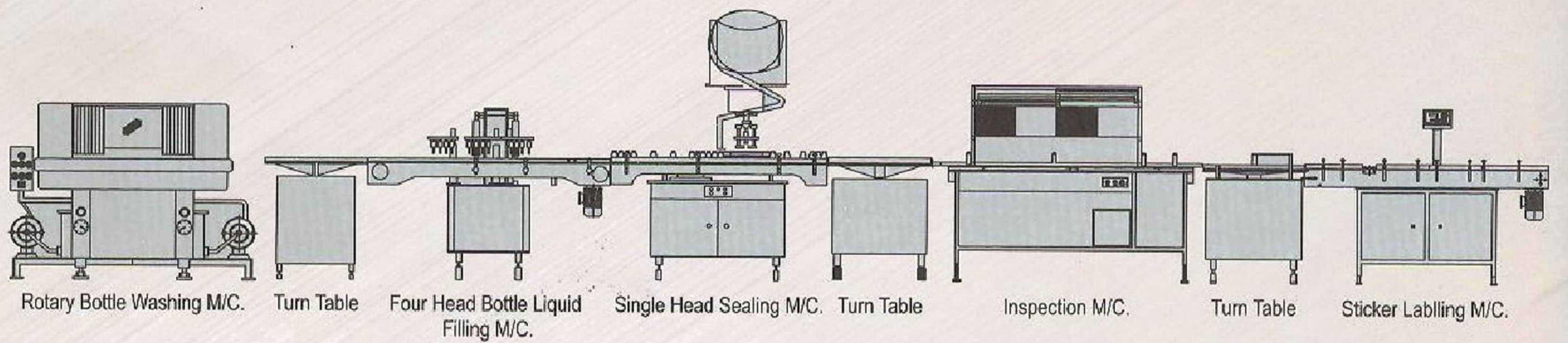
- توفير عمالة الرص اليدوى .
- ثبات مكان الطباعة .
- إنتاجية أعلى .
- الوحدة مصنعة طبقاً لمواصفات G.M.P .



Bottle Filling Line

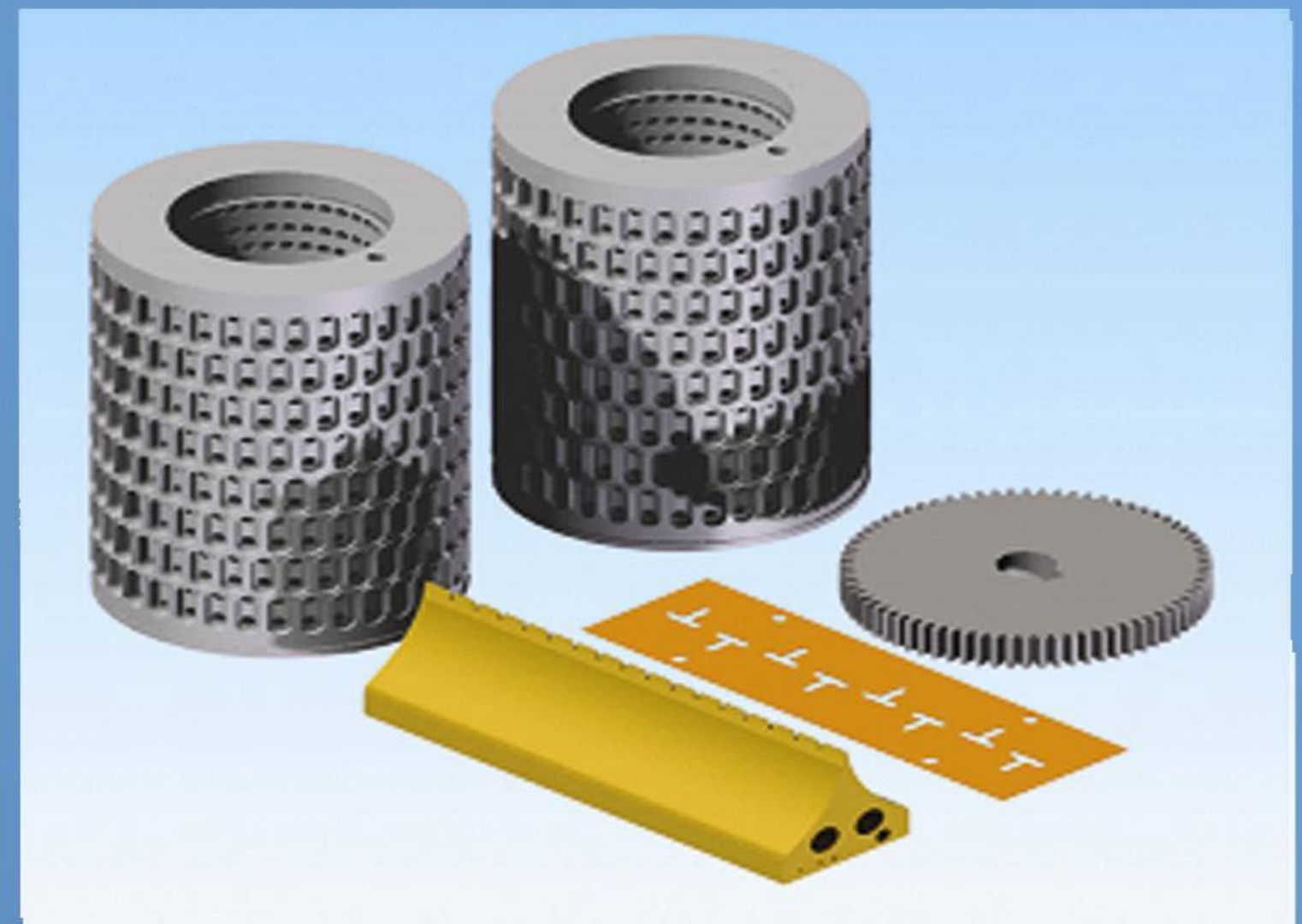


Process Line





Conveyors



Soft Gelatin Capsule Die



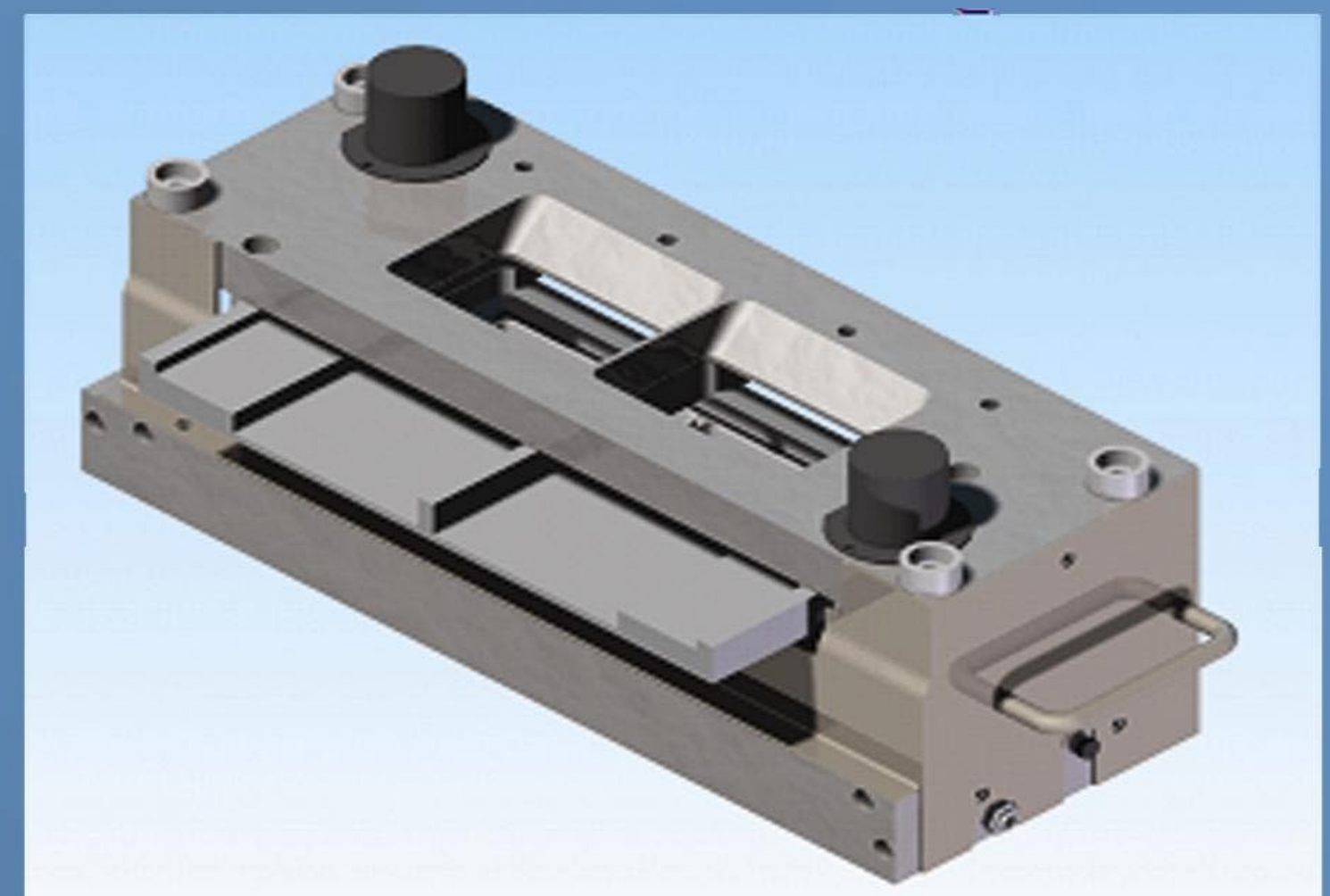
Numbers & Digits



Alu - Alu Forming Die



Spray Gun



Punching Tool

URL: www.forminggroup.com

Email: forming@gorminggroup.com

Factories:

Alexandria: Industrial Area - first of Um Zague Road - Alexandria - Egypt - P.O.B 14 Manshiet Alolamaa.

Tel: 3028764 - 3028768

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