

1、 100kg h mini soap plant on a table



Mixer (SZH200): Blade gyration diameter 200 mm, manual driven.

?Three Roll Mill (SM100-300): roll O.D.100 x 300mm, motor 2.2 kW

?Plodder (DVP-120): Worm diameter 120 mm, motor 1.5 kW

(4) Manual cutter

(5)Motorized Stamper JB04-Z: Max. Soap weight 80g max., manual operated.

2、 Automatic Multi-Flash Stamper With Freezing Dies -3 cavities



This stamper will be in conformity with CE, and its control to CS standard.

Speed (optimal): 5-45 stroke/min when 3 pieces of soap is pressed by one stroke.

Motors: 2.2 kW +0.3 kW +0.3 kW +0.55 kW

Vacuum pump: 2.2 kW

Air pressure: 0.6 MPa

The stamper is fully automatic controlled by a PLC that coordinates all activities of vacuum pump, pneumatic components, solenoid valves and coolant flow for freezing stamping dies.

Lubrication of the machine is in a manual way.

The body of the stamper is made from high quality mild steel, welded and properly reinforced by good design.

There are two cam boxes made in Italy. These two boxes are to carry out movements, i.e., soap bar feeding, pick-out soap cakes from die, and rocking of mandrel for 60o.

The property class of all carbon steel threaded fasteners will be over 8.8, and the critical ones are with locking devices.

When the threaded fasteners are made from stainless steel the strength of material will not lower than that for A270.

All metallic parts in contact with soap are in stainless steel of high strength aluminum alloy.
One speed reducer and two speed variators are supplied by Rossi, Italy.
Couplings and expansion sleeves are supplied by KTR Driving, Germany.
Electric components are supplied by Schneider, France.
Rolling straight guide way is supplied by THK, Japan;
Electric panels by Rittal, Germany.
Angular encoder by Nemicon, Japan;

3、 Automatic Multi-Flash Stamper With Freezing Dies -6 cavities



This stamper will be in conformity with CE, and its control to CS standard.
Speed (optimal): 5-45 stroke/min when 6 pieces of soap is pressed by one stroke.
Motors: 5.5 kW +0.3 kW +0.3 kW +0.55 kW
Vacuum pump: 2.2 kW
Air pressure: 0.6 MPa
The stamper is fully automatic controlled by a PLC that coordinates all activities of vacuum pump, pneumatic components, solenoid valves and coolant flow for freezing stamping dies.
Lubrication of the machine is in a manual way.
The body of the stamper is made from high quality mild steel, welded and properly reinforced by

good design.

There are two cam boxes made in Italy. These two boxes are to carry out movements, i.e., soap bar feeding, pick-out soap cakes from die, and rocking of mandrel for 60o.

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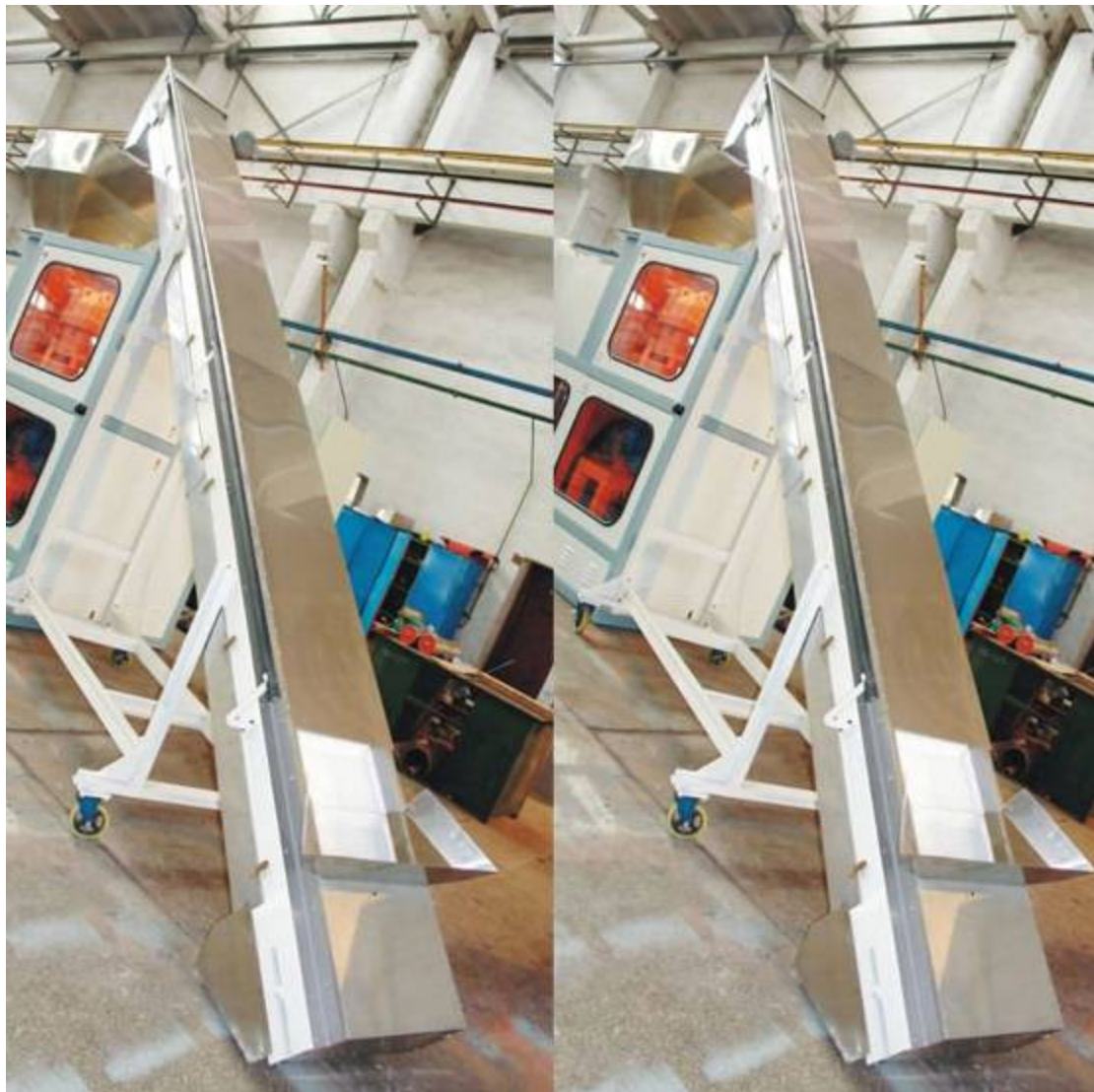
Electric components are supplied by Schneider, France.

Rolling straight guide way is supplied by THK, Japan;

Electric panels by Rittal, Germany.

Angular encoder by Nemicon, Japan;

4、 Belt conveyer 2000ES-400



totally closed type

all metallic parts are in stainless steel

there are seal strips preventing soap noodle from leakage from belt,also a leakage noodle collecting hopper with sliding bumping outlet gear reducer is supplied by SEW germany,belt by sieglin germany

5、 Duplex Single-worm Plodder



Key	Name	Type	Specification
1	Duplex single-worm vacuum refiner-plodder	500-DRVP	<p>Worm diameter: 200 mm</p> <p>Motor and heating power: $7.5 + 7.5 + 1 = 16$ kW</p> <p>Speed: upper extruder 18 r/min</p> <p>Lower extruder ??</p>

			<p>5 to 18 r/min adjustable.</p> <p>The worm is</p> <p>with changing-pitch and changing depth, made from stainless steel 304</p> <p>Warm barrel from one piece of seamless stainless steel 304 tube.</p> <p>Frequency adjustable drive by Mitsubishi, Japan.</p>
2	Duplex single-worm vacuum refiner -plodder	1000ES-D RVP	<p>Worm diameter: 250 mm</p> <p>Motor and heating power: 18.5 + 18.5 + 1.5 kW</p> <p>Speed: upper extruder 5 to 18 r/min</p> <p>Lower extruder 5 to 18 r/min adjustable;</p> <p>The worm is with changing-pitch and changing depth, made from stainless steel 304</p> <p>Warm barrel from one piece of seamless stainless steel 304 tube.</p> <p>Frequency adjustable A.C. drive by Mitsubishi, Japan.</p> <p>Electric components by Schneider, France.</p>
3	Duplex single-worm vacuum refiner -plodder	2000ES-D RVP	<p>Worm diameter: 300 mm</p> <p>Motor and heating power: 30 kW + 22 kW+ 2 kW</p> <p>Speed: upper extruder 5 to 18 r/min</p> <p>Lower extruder 5 to 18 r/min adjustable;</p> <p>The worm is with changing-pitch and changing depth, made from</p>

			<p>stainless steel 304</p> <p>Warm barrel from one piece of seamless stainless steel 304 tube.</p> <p>Frequency adjustable A.C. drive by Mitsubishi, Japan.</p> <p>Electric components by Schneider, France.</p>
4	Duplex single-worm vacuum refiner -plodder	3000ES-D RVP	<p>Worm diameter: 300 mm</p> <p>Motor and heating power:</p> <p>30 kW + 22 kW+ 2 kW</p> <p>Speed: upper extruder 5 to 18 r/min</p> <p>Lower extruder 5 to 18 r/min adjustable;</p> <p>The worm is with changing-pitch and changing depth, made from stainless steel 304</p> <p>Warm barrel from one piece of seamless stainless steel 304 tube.</p> <p>Frequency adjustable A.C. drive by Mitsubishi, Japan.</p> <p>Electric components by Schneider, France.</p>

7、 Duplex single-worm vacuum refiner1000ES-DR



Worm diameter: 250 mm

Motor and heating power: 18.5KW+18.5KW+1.5KW

Speed: upper extruder 5-18r/min.Lower extruder 5 to 18 r/min adjustable.

The worm is with changing-pitch and changing depth, made from stainless steel 304

Warm barrel from one piece of seamless stainless steel 304 tube.

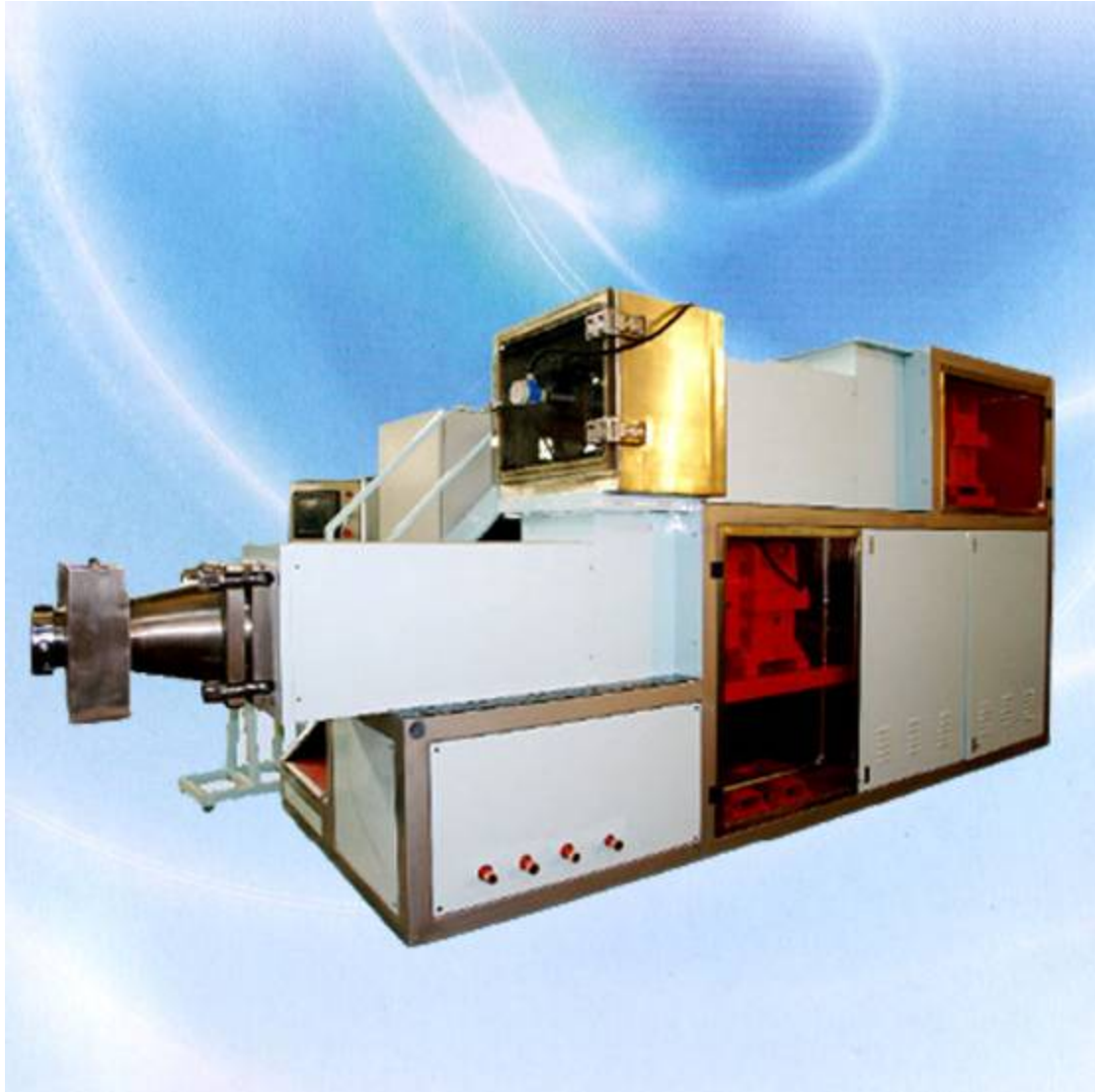
Frequency adjustable drive by Mitsubishi, Japan.

Electric components by Schneider, France.

8、 Duplex toilet or translucent soap vacuum plodder



9、 Duplex toilet or translucent soap vacuum plodder01



This plodder will be in conformity with CE, and its control to CS standard.

Worm diameter: 350 mm

For upper extruder

Motor: 37 kW

Speed: 18 r/min;

For lower extruder

Motor :30kW

Speed : 5 to 18 r/min adjustable;

The conical outlet head has 2 kW electric heating that is automatically controlled to keep a proper temperature inside.

The worm is with changing pitch and changing-depth, and is welded from Al-Mg alloy steel. The worm is high in strength, light in weight.

The clearance between worm and barrel is 0.75 mm max. measured at one side of the worm.

High-precision, i.e., Class 6, gears with case-hardened and ground teeth are for gear reducers.

The worm supporting bush is from nylon LPO, Germany. The bush is self-lubricating, wear-resist, and can work under high pressure.

Level probe inside the vacuum chamber to control the start/stop of the upper extruder.

All metallic parts in contact with soap are in stainless steel 304.

The property class of all carbon steel threaded fasteners will be over 8.8, and with locking devices. When the threaded fasteners are made from stainless steel the strength of material will not be lower than that for A270.

Pneumatic clutches for upper and lower extruders are supplied by Eton, USA.

Switches and other electric components are supplied by Schneider, France.

Frequency adjustable A.C. drive for lower extruder is supplied by Allen Bradley, USA.

Operation panel is supplied by Rittal, Germany.

Touch screen by EM, Taiwan.

PLC by Allen-Bradley, USA.

10、 Duplex toilet. or translucent soap vacuum plodder



Speed : 5 to 18 r/min adjustable;

The conical outlet head has 2 kW electric heating that is automatically controlled to keep a proper temperature inside.

The worm is with changing pitch and changing-depth, and is welded from Al-Mg alloy steel. The worm is high in strength, light in weight.

The clearance between worm and barrel is 0.75 mm max. measured at one side of the worm.

High-precision, i.e., Class 6, gears with case-hardened and ground teeth are for gear reducers.
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Touch screen by EM, Taiwan.

PLC by Allen-Bradley, USA.

11、 Finishing lines with capacity of 500 to 4,000 kgh in Series ES



Detailed Product Description

Technical features of the finishing lines of ES Series

1. The lines are capable of producing high-performance color striped transparent soap that will fashion in near future.
 2. The worm barrel is made from one piece of tube, instead of two tube sections connected together by bolted flanges, which is the usual practice of other soap machine producers in China. The two Sectioned barrel is not as precise as the integral one ,and will cause "biting" of barrel wall, the soap produced contains metal, detecting then product soap quality.
 3. Special worm design with seamless drawn conical core that greatly reduces soap bar forming time, and increases pressure inside the worm barrel, making soap more compact ,more smooth and transparent.
 4. People-oriented design: Proctor Gamble management, mantel nuance ,and safety standards are adopted, the machines are more transparent ,better sealed, and have more safety measures.The maintenance workers can see machine parts running condition inside the machine at any time. The machine is tidy both outside and inside.
 5. The finishing line can be running automatically as a whole, Easy tube operated by controls.
- 12、 Mixer with Two Sigma Agitators



This mixer will be in conformity with CE, and its control to CS standard.

Rated capacity: 350 to 450 kg/batch (soap noodles)

Dosing vessel volume is 400 kg soap noodles.

Two Z-shaped sigma agitators inside the mixing trough the gyration diameter of the agitator is 600 mm, inclination angle 60°.

Motor: 18.5+18.5 kW

Speed: Agitator A 22 r/min

Agitator B 36 r/min

Pressure of compressed air: 0.4 MPa

Consumption of compressed air: 0.5 m³/min

All metallic parts in contact with soap are in stainless steel 304.

The property class of all threaded fasteners will be over 8.8, and with locking devices

The threaded fasteners made from stainless steel the strength of material will not lower than that of A270.

The speed reducers for agitators are supplied by Flender, Germany.

Two discharge gates are with their own air cylinder to open/close the gate. The cylinder is made in Wuxi, China.

All bearings will be the best brands.

The load cells of pressure type and the field weighing controller are supplied by Toledo, Switzerland.

Operation panel is supplied by Rittal, Germany.

PLC by Omron, Japan.

Electric components by Schneider, France.

13、Mixer with Two Sigma Agitators, Complete with Dosing Unit



This mixer will be in conformity with CE, and its control to CS standard.

Rated capacity: 350 to 450 kg/batch (soap noodles)

Dosing vessel volume is 400 kg soap noodles.

Two Z-shaped sigma agitators inside the mixing trough the gyration diameter of the agitator is 600 mm, inclination angle 60°.

Motor: 18.5+18.5 kW

Speed: Agitator A 22 r/min

Agitator B 36 r/min

Pressure of compressed air: 0.4 MPa

Consumption of compressed air: 0.5 m³/min

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Operation panel is supplied by Rittal, Germany.

PLC by Omron, Japan.

14、Plastics pillow packing machine



This machine will be in conformity with CE, and its control to CS standard.

The soap cakes from single-blade cutter with engraving rolls of from stamper coming into automatic feeder of the wrapping machine, forming a row in belt and will be wrapped in the

machine.

Max.film width??450 mm

Speed??20-240 piece/min

Length of pack??75-370 mm

Pack width??20-140 mm

Pack height??5-60 mm

Total installed power??3.6 kW

15、 Single blade engraving system cutter



This cutter will be in conformity with CE, and its control to CS standard.

The capacity of the cutter is 3,000 kg/h min.

Speed: 20-200 stroke/min;

Cutting length: 60-999 mm

Cutting width: 120 mm max.

Servomotor: 2.9 kW

Conveyor motor: 0.55 kW

The cam is made from alloy steel Cr-Mo-Al carburized, case hardened and quenched, working at low noise and in high precision.

Super-high hardness LC9 is used for cutting mechanism, light in weight and durable for service. Major parts of the cutting mechanism are from aviation alloyed aluminum, light in weight and high in strength.

The property class of all carbon steel threaded fasteners will be over 8.8, and the critical ones are with locking devices.

When the threaded fasteners are made from stainless steel the strength of material will not lower than that of A270.

Frequency adjustable A.C. drive, servomotor, servo controller, and PLC by Allen-Bradley, USA;
16、 STAMPER for toilet,transparent soap MFS-3



17、 The configuration of finishing lines with capacity of 500 to 4,000 kgh in Series ES]



The finishing lines of Series Es for toilet and translucent soap bring together all components that are most reliable, most durable, supplied by the most famous vendors in the world. The mechanical design is tend to be simplified, more robust, low energy consumption, low off-stream rate, easy to be maintained ,more people-oriented and with good view both outside and inside of the machines.

Technical features of the finishing lines of ES Series

1. The lines are capable of producing high-performance color striped transparent soap that will fashion in near future.
2. The worm barrel is made from one piece of tube, instead of two tube sections connected together by bolted flanges, which is the usual practice of other soap machine producers in China. The two Sectioned barrel is not as precise as the integral one ,and will cause "biting" of barrel wall, the soap produced contains metal, detecting then product soap quality.
3. Special worm design with seamless drawn conical core that greatly reduces soap bar forming

time, and increases pressure inside the worm barrel, making soap more compact ,more smooth and transparent.

4. People-oriented design: Proctor Gamble management, mantel nuance ,and safety standards are adopted, the machines are more transparent ,better sealed, and have more safety measures.The maintenance workers can see machine parts running condition inside the machine at any time. The machine is tidy both outside and inside.

5. The finishing line can be running automatically as a whole, Easy tube operated by controls.

Toile soap finishing line 2,000kg/h of Series ES

18、 Three-Roll Mill



chilled rolls made of special cast steel according to formnlation of brun switzerland, not tending to rust.

the hardness is over 72 shore

roll diameter:405mm

roll's working length:1000mm

motor :22kw

speed ratio:1:3:9

19、 toilet carton packing machine



20、 Toilet Soap DIE



All stamping dies for toilet soap "Safeguard" that is produced in China by Proctor & Gamble are exclusively to be fabricated by LIMAC Machinery Works Corporation, Lanzhou, China.

The stamping cavities are machined by high-precision 5-mandrel machining center.

- The dies are made from cold-rolled brass, that is durable without any deformation.

- The cavities are with aeronatic/aeronautic chemical coating. The cavity surface hardness is HRc 50, while die internal is HRc 55. That makes the dies service life to be doubled compared with that without coating