

R&D Aprila SG50

Softgel Encapsulation System



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All-In-One Standard & Vgel Production

The SainityCo **Aprila SG 50** softgel production system is a space saving, stand alone, all-in-one softgel encapsulation system capable of full production duties. With speeds up to 5 RPM and production volumes up to 12,600 softgels per hour @ 8 Oval 4 RPM base on oil. This is an attractive system for cost conscious start-ups, smaller production batches, or research and development.



Vgel & Standard Gelatin
Compact Design
All-In-One Solution



Aprila SG50

Features:

- Up to 16,800 pcs/hour(8# OVAL 4RPM)
- All-in-one set up includes everything you need to get up and running
- Variable operation speeds up to 5RPM
- Compact size allows for smaller footprint
- Quick and easy replacement of change parts
- Suitable for use in pharmaceutical, food and recreational industries
- Color touchscreen control provides easy production management
- Tumble dryers have large, high powered centrifugal fan
- Vgel plant based gelatin option

Production Estimates:

Size/Shape	Cavities	Output Per Hour (@ 4 RPM)
6 Oval	72	17280
8 Oval	70	16800
10 Oval	68	16320
8 Oblong	82	19680
20 Oblong	34	8160
6 Round	108	25920
40 Round	44	10560

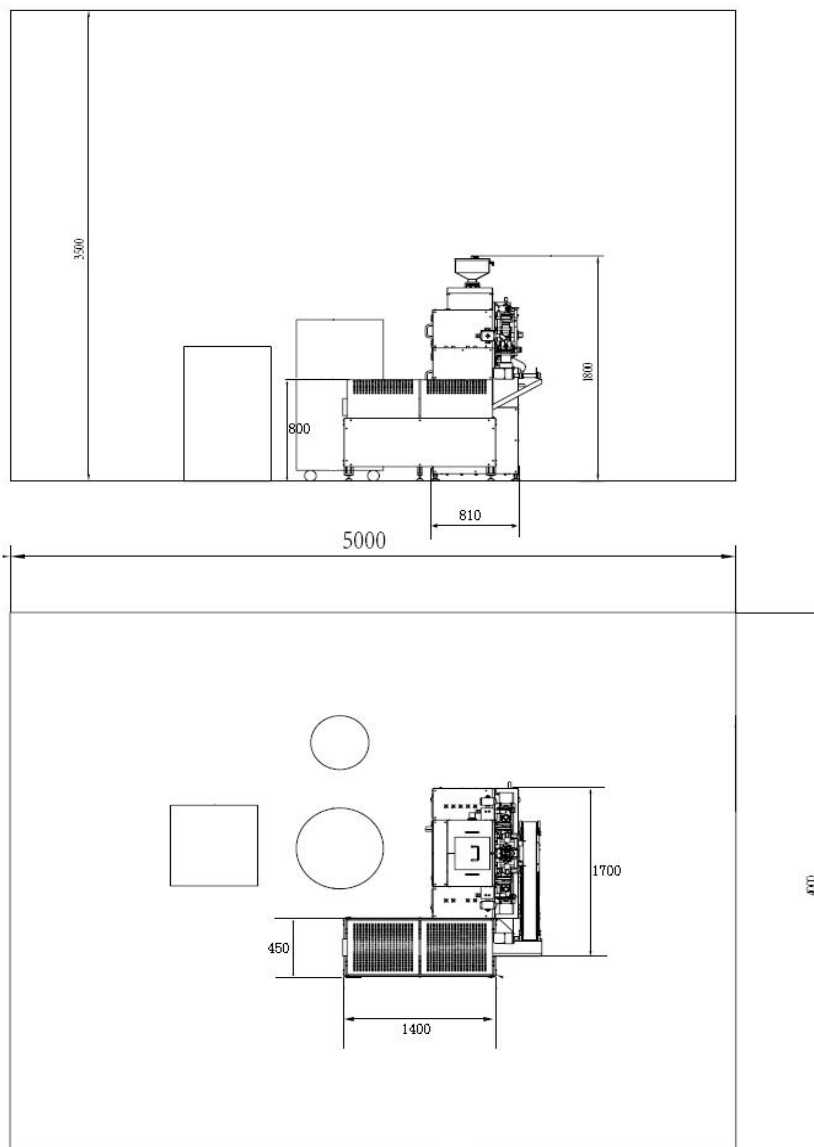
Production rates may vary depending on machine speed, fill material viscosity, and operator experience.

Complete System Includes:

- 1 SG50 Softgel Encapsulator
- 2 Tumble Dryers
- 3 Chilling System
- 4 100 Liter Gelatin Melting/Mixing Tank
- 5 Drying Trays & Dollies
- 6 Change parts (Softgel Tooling)



Dimensions:



Technical Data	Aprila SG50
Mold Sizes (mm)	φ150 x 50
Speed	Up to 5 RPM
Capacity (8# OVAL 4RPM)	16,800 pcs/h
Power	220V/380V,50/60Hz,3 Phase,2 Kw
Machine Dimensions (mm)	1700x810x1750
Weight	600 kgs
Tumble Dryers	2
Tumbler Size	φ 316x417mm
Tumbler Dimensions	1400x 450x800mm

Chilling System

The chilling unit is modular to fit your available floor space.

Refrigeration capacity: 5.28Kw

Power: 220 V 50 Hz 1P 2.27Kw

Dimensions: 580x550x925mm

Weight: 100Kg



Gel Melter

100 liter capacity gelatin melting and mixing tank is made from all stainless steel construction with sanitary stainless steel valves and clamps, a triple wall jacket with breather.

Volume: 100L

Temperature: <100 °C

Power: 4kW

Mix speed: 35rpm

Dimensions: 1100x650x1655mm



Drying Trays

The softgels come out of the tumble dryers and are placed on paper lined drying trays. The trays are then stacked on dollies and pushed into drying tunnels.

Dimensions: 750x475x55mm



Tumble Dryers

Each tumble dryer has a large, high powered centrifugal fan, and is equipped with an anti-static device to prevent softgels from sticking due to electromagnetic charge build-up.

Quantity of tumbler:2

Tumbler size: $\Phi 316 \times 417 \text{mm}$

Power supply: 380 V 50 Hz 3P

Dimensions: 1400x 450x800mm

Weight: 90 Kg



Softgel Tooling

The Softgel tooling is custom made to meet your needs with a 2-week turnaround. It features harder aircraft grade aluminum, colored timing marks, and "bead blasting" to minimize gel adhesion.










































Complete set includes:

- 2 die rolls with stainless steel inserts
- Teflon ceramic coated aluminum wedge
- Solid Teflon distribution plate
- Industrial, compact storage case
- Timing gear



Soft Capsule Size&Shape

Aprila SG50

Oblong	 3 Oblong minims : 2.3 - 3.0 cc : 0.142 - 0.185	 4 Oblong minims : 3.0 - 4.0 cc : 0.185 - 0.246	 5 Oblong minims : 4.0 - 5.0 cc : 0.246 - 0.308	 6 Oblong(2) minims : 5.0 - 6.0 cc : 0.308 - 0.370	 8 Oblong minims : 6.5 - 8.0 cc : 0.400 - 0.493		
	 9½ Oblong minims : 7.5 - 9.5 cc : 0.462 - 0.585	 11 Oblong(1) minims : 8.5 - 11.0 cc : 0.524 - 0.678	 11 Oblong(3) minims : 8.5 - 11.0 cc : 0.524 - 0.672	 14 Oblong minims : 12.5 - 14.0 cc : 0.770 - 0.862			
	 16 Oblong minims : 14.5 - 16.0 cc : 0.862 - 0.986	 20 Oblong minims : 16.0 - 20.0 cc : 0.986 - 1.232	 22 Oblong minims : 18.0 - 22.0 cc : 1.109 - 1.355	 24 Oblong minims : 20.0 - 24.0 cc : 1.232 - 1.478			
Round	 1 Round minims : 0.75 - 1.0 cc : 0.046 - 0.062	 2 Round minims : 1.2 - 2.0 cc : 0.074 - 0.124	 3 Round minims : 2.2 - 3.0 cc : 0.136 - 0.185	 4 Round minims : 2.8 - 4.0 cc : 0.172 - 0.246	 5 Round minims : 3.2 - 5.0 cc : 0.197 - 0.308		
	 6 Round minims : 4.6 - 6.0 cc : 0.283 - 0.370	 7 Round minims : 5.0 - 7.0 cc : 0.308 - 0.431	 9 Round minims : 7.0 - 9.0 cc : 0.431 - 0.554	 15 Round minims : 12.0 - 15.0 cc : 0.740 - 0.925	 20 Round minims : 15.0 - 20.0 cc : 0.925 - 1.230		
Oval	 2 Oval minims : 1.5 - 2.3 cc : 0.092 - 0.142	 3 Oval minims : 2.4 - 3.0 cc : 0.148 - 0.185	 4 Oval minims : 3.1 - 4.0 cc : 0.191 - 0.246	 4 Oval(2) minims : 3.1 - 4.0 cc : 0.191 - 0.246	 5 Oval minims : 4.3 - 5.0 cc : 0.265 - 0.308	 6 Oval minims : 5.2 - 6.0 cc : 0.320 - 0.370	
	 7½ Oval minims : 6.2 - 7.5 cc : 0.382 - 0.642	 8½ Oval minims : 7.0 - 8.5 cc : 0.431 - 0.524	 10 Oval minims : 7.5 - 10.0 cc : 0.462 - 0.616	 12 Oval minims : 8.3 - 12.0 cc : 0.511 - 0.739	 16 Oval minims : 12.4 - 16.0 cc : 0.764 - 0.986	 20 Oval minims : 17.0 - 20.0 cc : 1.047 - 1.232	
Tubs	 8 Tubs minims : 6.0 - 8.0 cc : 0.370 - 0.493		 17½ Tubs minims : 15.0 - 17.0 cc : 0.924 - 1.047				
	 30 Tubs(1) minims : 27.0 - 32.0 cc : 1.663 - 1.971		 10 Suppository minims : 7.0 - 10.0 cc : 0.430 - 0.620			 17 Suppository(1) minims : 15.0 - 20.0 cc : 0.924 - 1.232	
					Suppository	 8 Twist-off 493ml	Twist-off

SaintyCo also offer:

Encapsulation Solutions

Tablet Compression Solutions

Coating Systems

Cartoning Systems

Blister Packing Solutions

