

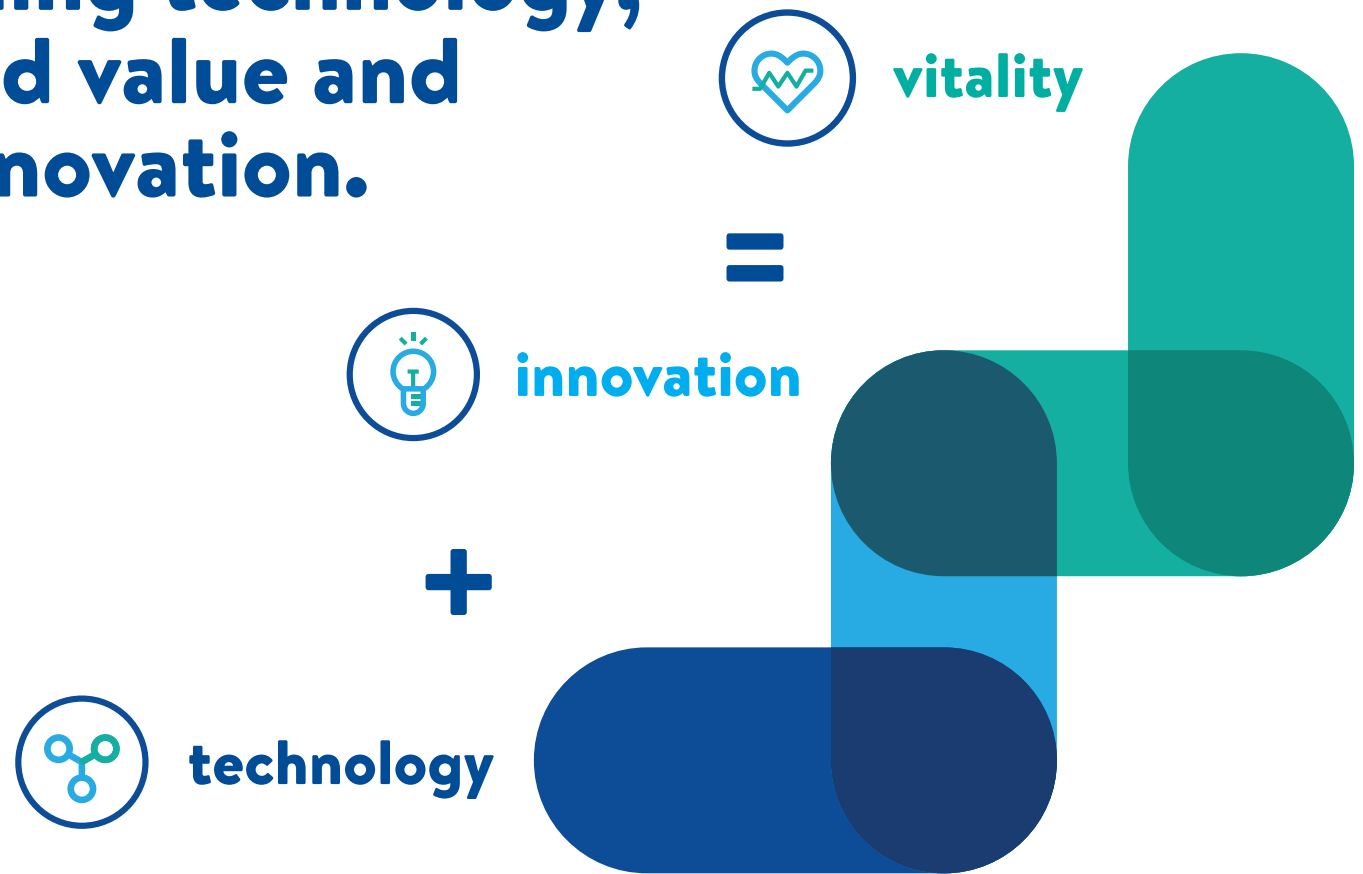
Softgel Machines

PRODUCTION AND LABORATORY SCALE

SGL107	SGM607i
SGL207	SGM610i
SGM407	SGM612i
	SGM812i

WHAT WE STAND FOR

We strive to provide every customer, no matter their size, with leading technology, unprecedented value and unmatched innovation.



GET THE TECHNOPHAR ADVANTAGE

We don't just sell machinery—we sell the peace of mind that your production lines will run like never before. Our equipment demands less maintenance and downtime, meaning a lower total cost of ownership. So you can trust Technophar to deliver the right solution to fuel your success.



OUR GUARANTEE

What's inside every softgel machine?

Motion Control System:

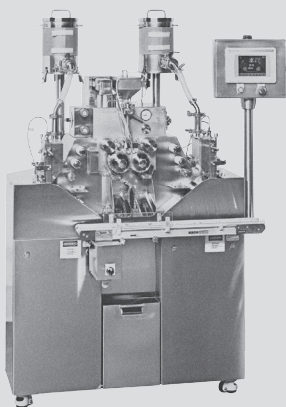
Servo motors and electronic gearing replace the most important mechanical gearing

Programmable Logic Controllers (PLC) and touch screen gives you more reliable control over production and process parameters

Aluminum frame construction and stainless steel outer covers (according to GMP/FDA requirements) prevent rust and allow for easy cleaning and maintenance



SGL107/ 207



FEATURES

Lab-scale performance

Die roll dimensions: 100mm x 76mm (approx.)

Operation speed: up to 3 RPM

Electrical panel and PLC integrated within machine

TECHNICAL SPECIFICATIONS

Dimensions (mm)	1153 W x 845 D x 2073 H
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Weight (kg)	850
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Machine Electrical Power	12 KVA
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Compressed Air	7 Bar
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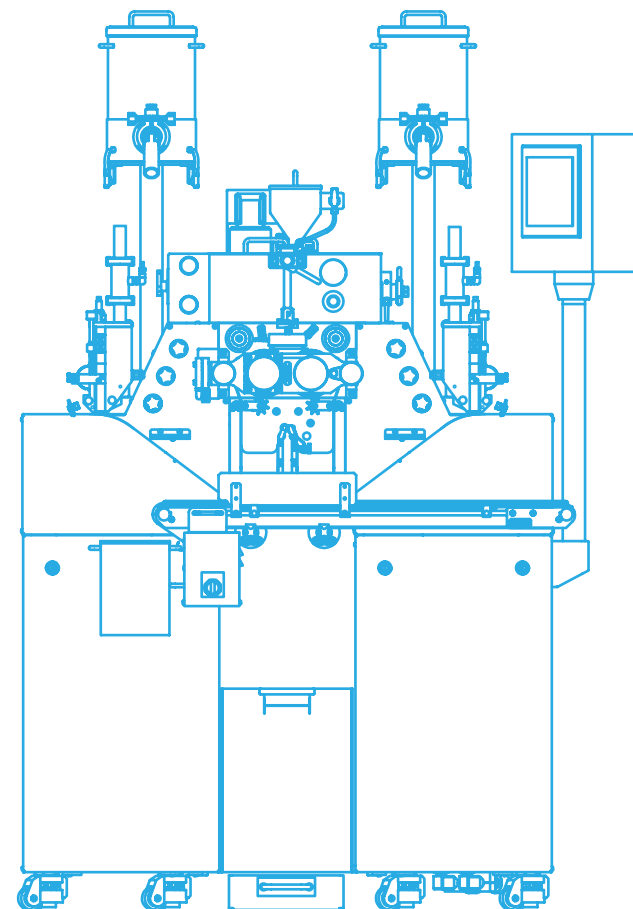
Chilled Water	14.5L/min.
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Output Capacity (SGL107)	3 Oval	4,500
	10 Oval	3,450
	20 Oblong	3,300

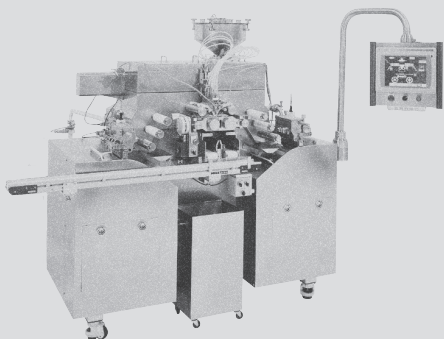
Output Capacity (SGL207)	3 Oval	9,000
	10 Oval	6,900
	20 Oblong	6,600

Number of Medicine Plungers	SGL107	1
	SGL207	2

Fully Integrated?	Yes
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SGM407



FEATURES

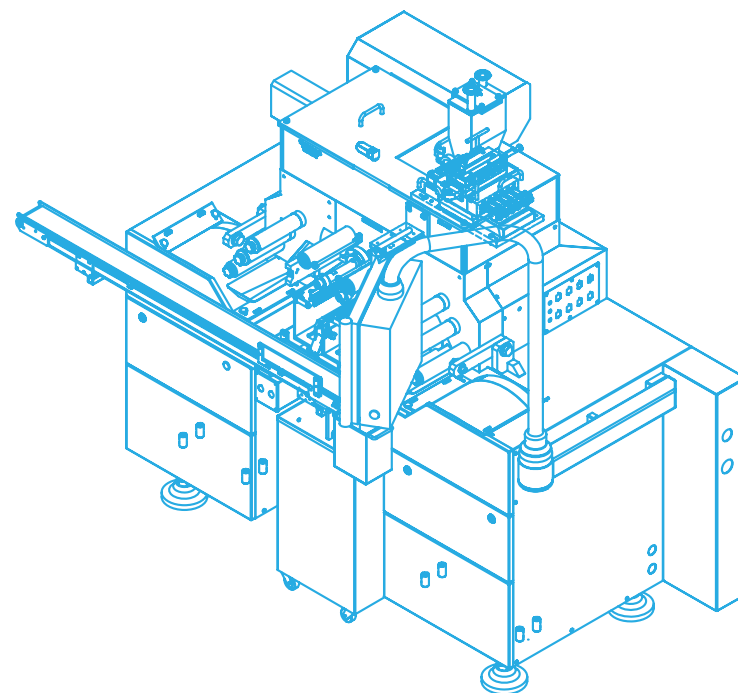
Die roll dimensions: 100mm x 184mm (approx.)

Operation speed: up to 8 RPM

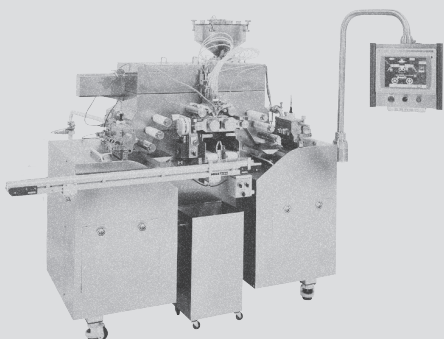
Electrical components and PLC located in a separate electrical panel

TECHNICAL SPECIFICATIONS

Dimensions (mm)	2188 W x 1160 D x 2241 H	
Weight (kg)	1950	
Machine Electrical Power	45 KVA	
Compressed Air	7 Bar	
Chilled Water	22.7L/min.	
Output Capacity	3 Oval	172,800
	10 Oval	99,360
	20 Oblong	52,800
Fully Integrated?	No	



SGM607i



FEATURES

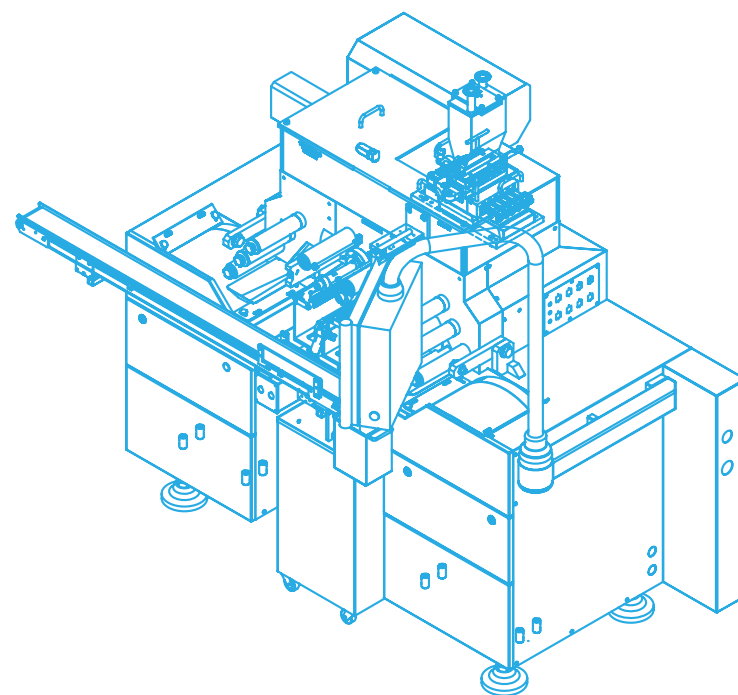
Die roll dimensions: 152mm x 184mm (approx.)

Operation speed: up to 8 RPM

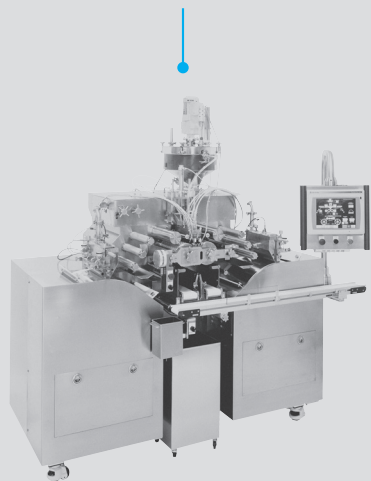
Electrical panel and PLC integrated within machine

TECHNICAL SPECIFICATIONS

Dimensions (mm)	2188 W x 1160 D x 2241 H	
Weight (kg)	1950	
Machine Electrical Power	45 KVA	
Compressed Air	7 Bar	
Chilled Water	22.7L/min.	
Output Capacity	3 Oval	259,200
	10 Oval	149,040
	20 Oblong	79,200
Fully Integrated?	Yes	



SGM610i



FEATURES

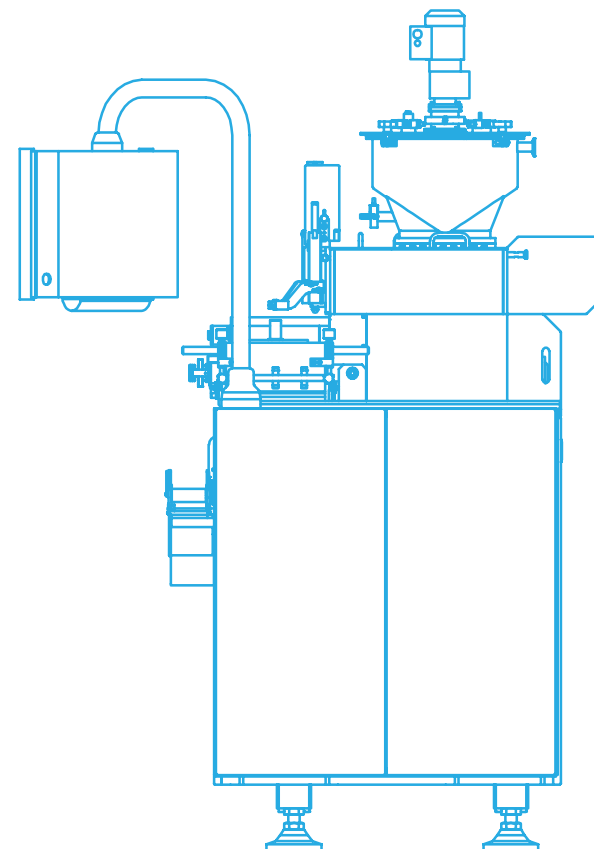
Die roll dimensions: 152mm x 254mm (approx.)

Operation speed: up to 8 RPM

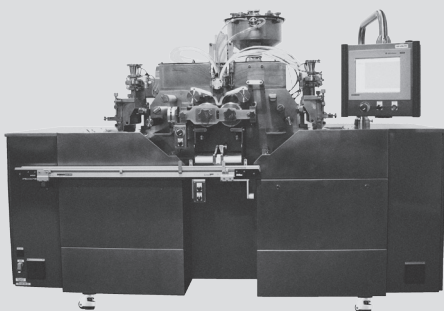
Electrical panel and PLC integrated within machine

TECHNICAL SPECIFICATIONS

Dimensions (mm)	2808 W x 1225 D x 2345 H	
Weight (kg)	2500	
Machine Electrical Power	60 KVA	
Compressed Air	7 Bar	
Chilled Water	22.7L/min.	
Output Capacity	3 Oval	371,520
	10 Oval	212,160
	20 Oblong	107,520
Fully Integrated?	Yes	



SGM612i



FEATURES

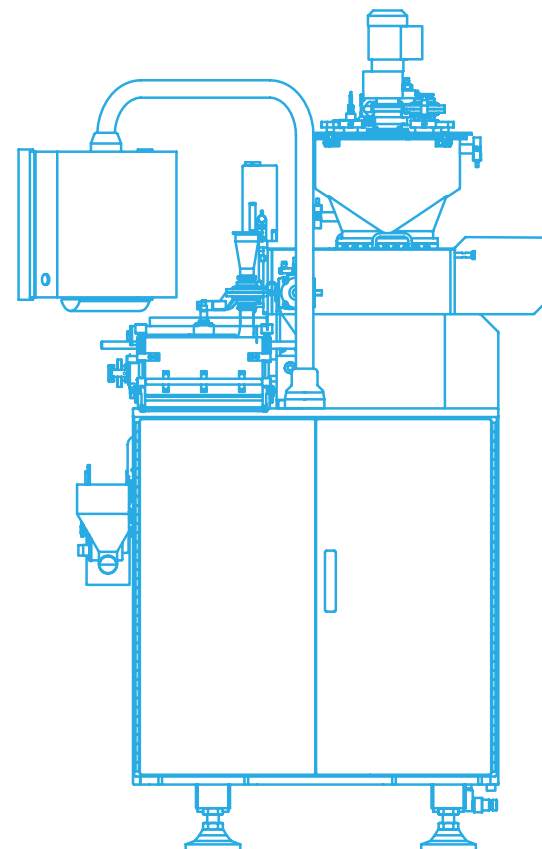
Die roll dimensions: 152mm x 300mm (approx.)

Operation speed: up to 8 RPM

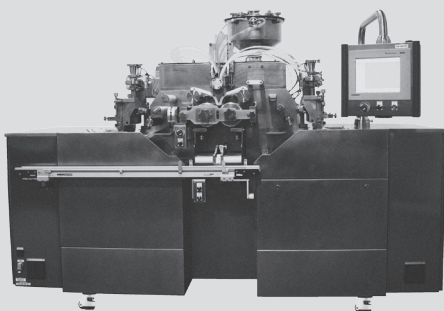
Electrical panel and PLC integrated within machine

TECHNICAL SPECIFICATIONS

Dimensions (mm)	2808 W x 1309 D x 2344 H	
Weight (kg)	2500	
Machine Electrical Power	60 KVA	
Compressed Air	7 Bar	
Chilled Water	22.7L/min.	
Output Capacity	3 Oval	506,880
	10 Oval	244,800
	20 Oblong	142,560
Fully Integrated?	Yes	



SGM812i



FEATURES

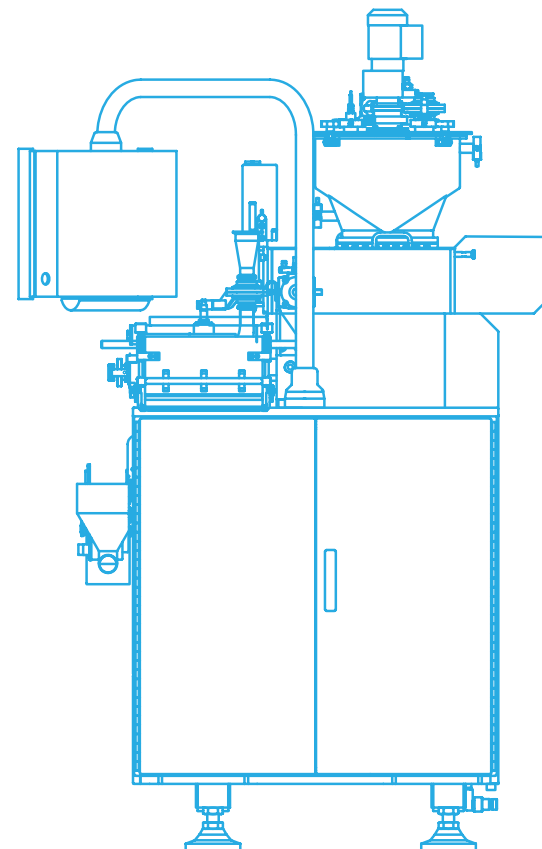
Die roll dimensions: 203mm x 300mm (approx.)

Operation speed: up to 8 RPM

Electrical panel and PLC integrated within machine

TECHNICAL SPECIFICATIONS

Dimensions (mm)	2808 W x 1309 D x 2344 H	
Weight (kg)	2500	
Machine Electrical Power	60 KVA	
Compressed Air	7 Bar	
Chilled Water	22.7L/min.	
Output Capacity	3 Oval	675,839
	10 Oval	326,399
	20 Oblong	190,079
Fully Integrated?	Yes	



COMPARISON CHART

Softgel Machine Specifications

MEDICINE PUMP SYSTEM	SGL107/207	SGM407	SGM607i	SGM610i	SGM612i	SGM812i
Independently driven by servo motor	*	*	*	*	*	*
Electronic capsule size change (no gear change required)	*	*	*	*	*	*
Electronically adjusted injection timing	*	*	*	*	*	*
Slide lubrication system	Integrated into drive system	Separate from drive system	Separate from drive system	Separate from drive system	Separate from drive system	Separate from drive system
Separately-housed medicine pump		*	*	*	*	*
Standard medicine pump plunger count	SGL107: 1 SGL207: 2	12	12	18	20	20
Medicine pump plunger options	Single or Double Maxi/Mini plunger	12 plunger Maxi/ 18 plunger mini	12 plunger Maxi/ 18 plunger mini	18 plunger Maxi/ 26 plunger mini	20 plunger Maxi/ 30 plunger mini	20 plunger Maxi/ 30 plunger mini

DIE ROLL HOUSING

2 independent die roll shafts powered by 2 servo motors		*	*	*	*	*
Closed lubrication required	*					



SPREADER BOX

	SGL107/207	SGM407	SGM607i	SGM610i	SGM612i	SGM812i
Adjustable	*	*	*	*	*	*
Bronze construction	*	*	*	*	*	*
Electronic gelatin level control	*	*	*	*	*	*

CASTING DRUMS

"In-line" construction	*	*	*	*	*	*
Cooling drums diameter	10.24" (260mm)	19.9" (506mm)	27.72" (704mm)	27.72" (704mm)	27.72" (704mm)	27.72" (704mm)
Water and air cooling system integrated into machine	* (water cooling optional)	*	*	*	*	*

RIBBON LUBRICATION & DRIVE SYSTEM

Lubrication roller made of porous material	*	*	*	*	*	*
Electronic metering pump and precise distributor valve	*					
4 electronic metering pumps	Available	*	*	*	*	*
2 oil formulations	Available	*	*	*	*	*
Electronic oil quantity adjustment	*	*	*	*	*	*
Independent electrical drives	*	*	*	*	*	*
Easy-feed access from operator side	*	*	*	*	*	*



DIE ROLL PRESSURE SYSTEM

SGL107/207

SGM407

SGM607i

SGM610i

SGM612i

SGM812i

Electronically-controlled pneumatic system

*

*

*

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*

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CHUTE/DIVIDER ASSEMBLY

Transport method

Chute

Divider Conveyor

Divider Conveyor

Divider Conveyor

Divider Conveyor

Divider Conveyor

Variable speed independent drive

*

*

*

*

*

*

Sealed construction

*

*

*

*

*

*

MANGLE ROLLS

Electronic speed adjustment

*

*

*

*

*

*

Pneumatically-controlled pressure

*

*

*

*

*

WEDGE LIFTING SYSTEM

Manually-operated

*

Pneumatic system

*

*

*

*

*

SHUT-OFF VALVE

2 position manual valve

*

*

*

*

*

*

Pneumatic shut-off valve available

Available

Available

Available

Available

Available



MACHINE LUBRICATION

	SGL107/207	SGM407	SGM607i	SGM610i	SGM610i	SGM812i
Lubrication and medicine pump drive for medicine pump slide	Combined	Independent	Independent	Independent	Independent	Independent

SOFT CAPSULE TRANSFER CONVEYOR

Variable speed drive motor	*	*	*	*	*	*
Bi-directional	*	*	*	*	*	*

TOOLING

Die roll size	100mm x 76 mm	100mm x 184mm	152mm x 184mm	152mm x 254mm	152mm x 300mm	203mm x 300mm
Aircraft grade aluminum die rolls	*	*	*	*	*	*
Pocket size	Per customer requirements					
Storage case	*	*	*	*	*	*
Specially-coated injection wedge	*	*	*	*	*	*
Thermo-regulated, specially-coated injection wedge with integrated isobars		Available	Available	Available	Available	Available
Thermo-regulated, specially-coated injection wedge with integrated distributor plate	*	*	*	*	*	*
Injection wedge construction material	Bronze	Bronze	Aluminum	Aluminum	Aluminum	Aluminum



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Giving you more

Looking for other machines and services? Technophar also offers many other products and services designed to give you the same level of technology and quality you've come to expect from us.

Softgel Machines

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Softgel Auxiliary Equipment

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Pharmaceutical Equipment

Preventative Maintenance

Operator Training

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DN 1 Km 96+200, Nr: 1168B
Cornu 107175, Jud Prahova, Romania
+40 372 449 800
www.technophar.com

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