

CHANGSUNG
CVC TECHNOLOGIES GROUP

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990SR

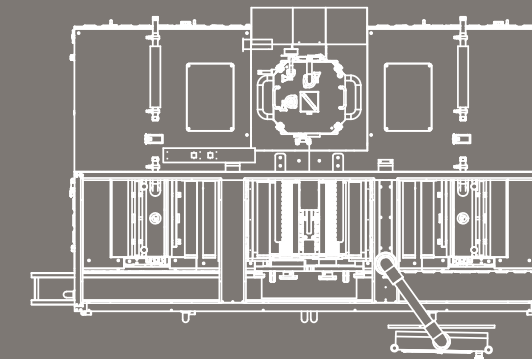
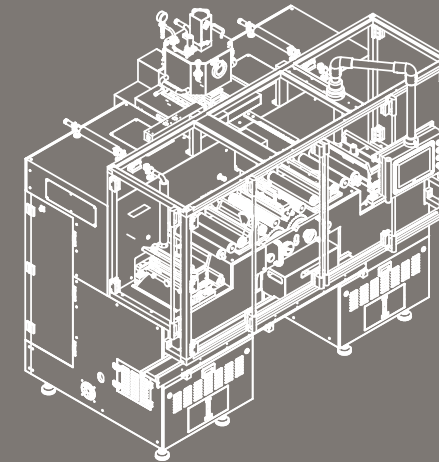
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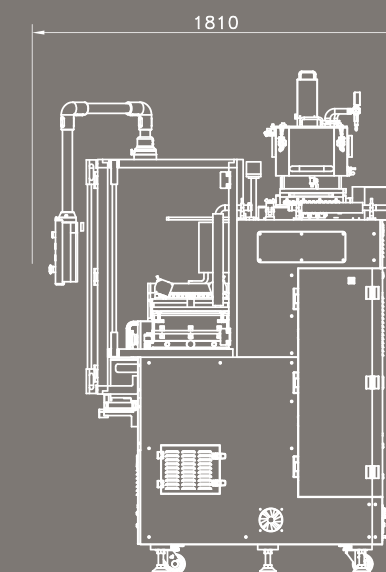
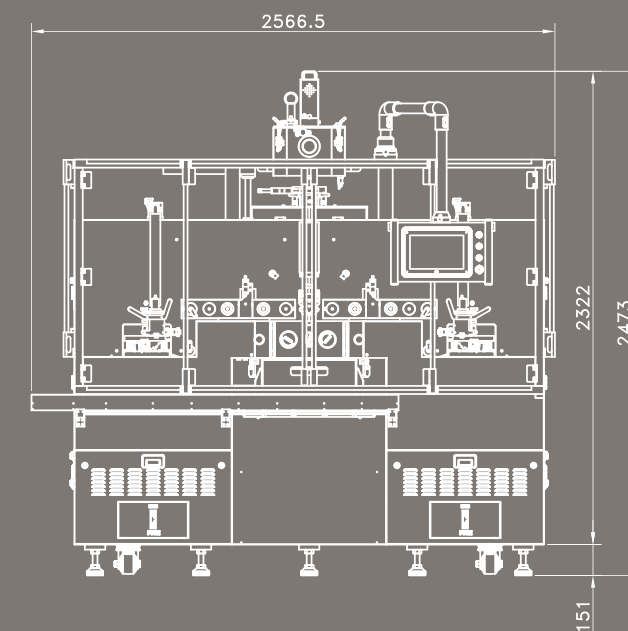
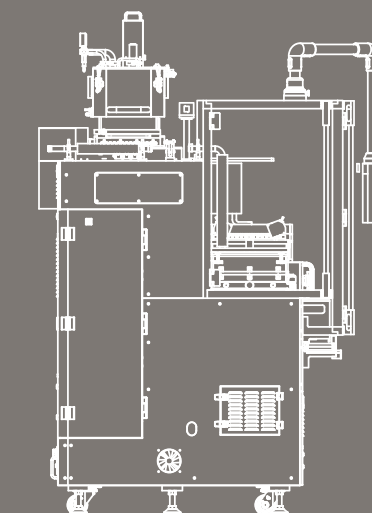
ENCAPSULATION MACHINE

(990SR)



ENCAPSULATION SPECIFICATION

1. Power Consumption : Approx 24.2Kw
2. Power : AC220V, 380V, 415V, 440V(OPTION)
3. Frequency : 50/60Hz(OPTION)
4. Speed : Max 5RPM.
5. Die Roll Size : $\varnothing 180 \times 350$ mm
6. Touch Screen Control
7. Weight : 3,400 Kg



1. Die Roll size

Description :
Die roll size $\Phi 180\text{mm}$ (Diameter) x 350mm (Length)

Advantage :
Higher output productivity 43.8% than 880SR base of Oblong# 20 capsule size.

2. Tilting Yoke ass'y

Description :
Avoiding the existing heavy yoke ass'y attachment/detachment method, the yoke ass'y is gently tilted up and down by using a specially designed gas spring.

Advantage :
This gentle tilting method of attaching and detaching the yoke ass'y enables workers to exchange die rolls more easily and fundamentally prevents the possibility of safety accidents for workers.

3. Spreader box & Cartridge heater

Description :
Applied a fixed cartridge heater even spreader box dismantling and re-installation.

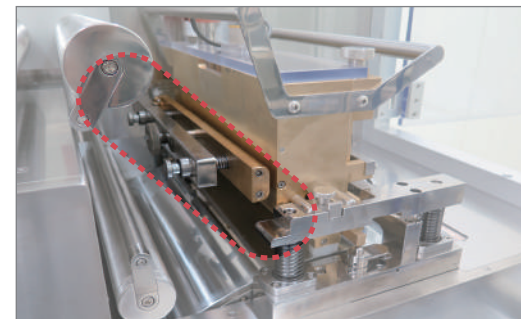
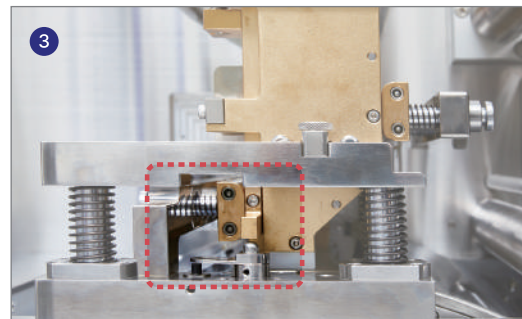
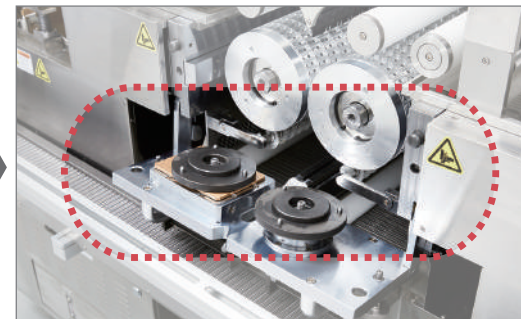
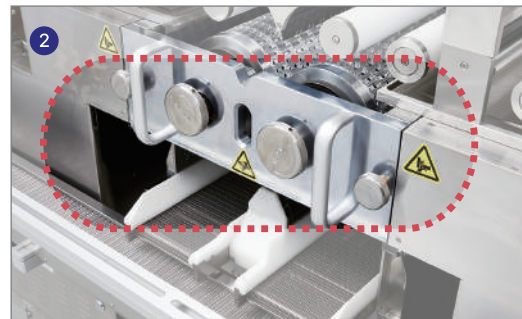
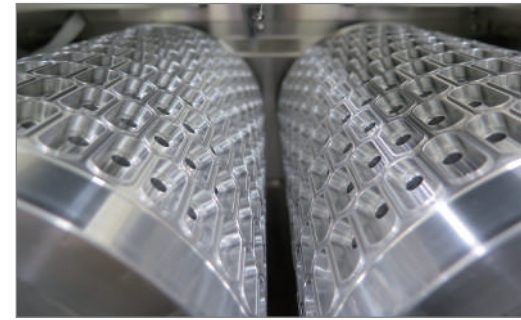
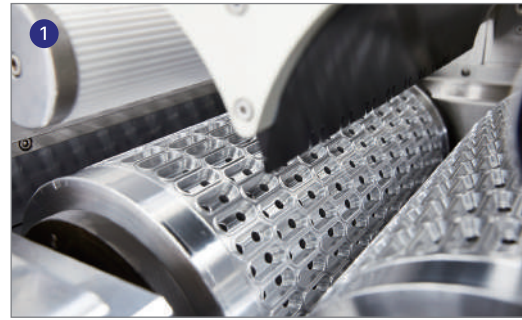
Applied dual ribbon thickness control system, AGT or manual system.

Advantage :
The fixed cartridge heater not only reduces the interchanging time for the operator, but also the fixed cartridge heater dramatically increases the lifespan of the heater due to no need to heater In/Out whoever spreader box In/Out. Easy "Zero point" adjustment for gate of spreader box.

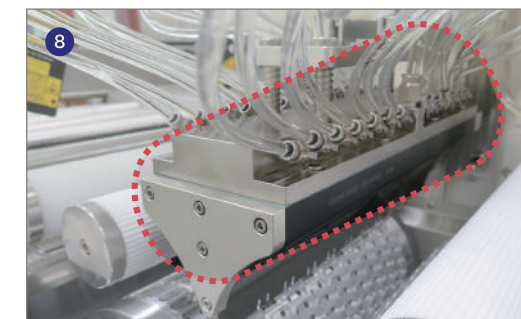
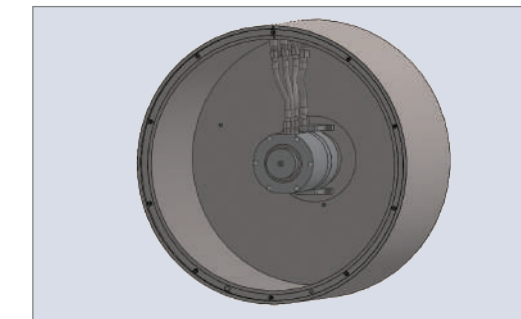
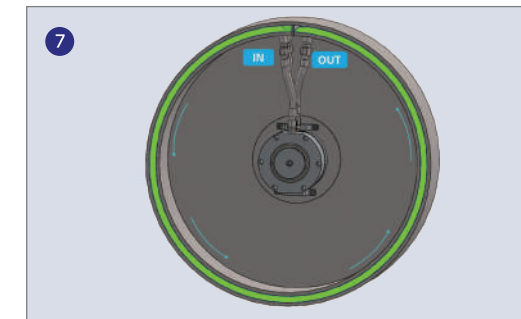
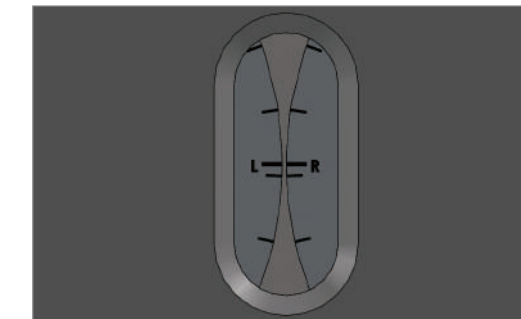
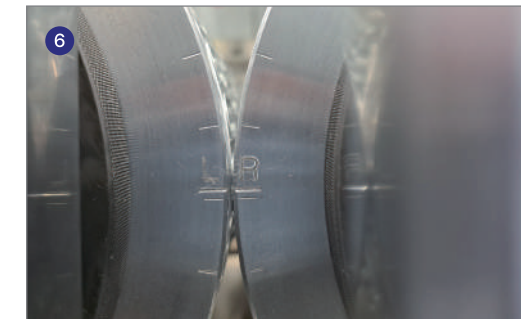
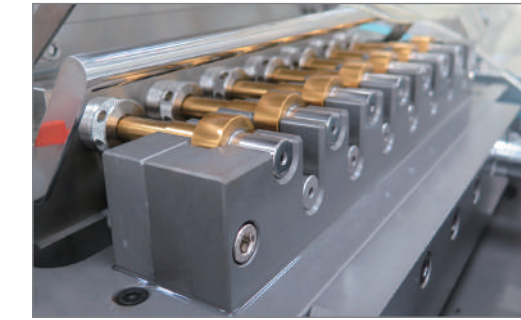
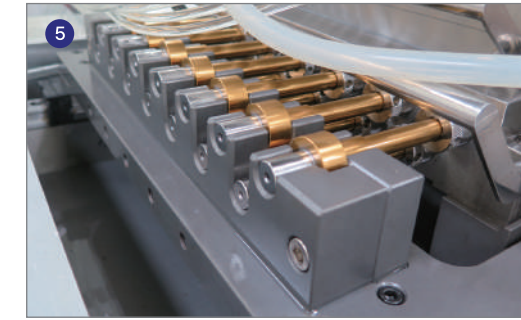
3. Thermo-Chiller by Peltier thermos semiconductor

Description :
Built-in Gas-free chiller of Thermo-semiconductor chiller applying the Peltier effect technology.

Advantage :
Freon-gas free chiller
Compact and maintenance free
Free from chiller troubles.



- 1 Die Roll size
- 2 Tilting Yoke ass'y
- 3 Spreader box & Cartridge heater
- 4 Thermo-Chiller by Peltier thermos semiconductor



5. Plungers

Description :
Applying the 12 x 2 plungers (24 plungers).

Advantage :
Increased productivity
Easy maintenance, plungers can be collectively fixed using a special designed brackets.

6. Auto die Roll alignment setting

Description :
Using electric positioning sensor, auto Die Roll "Zero" point returning (Auto die roll alignment)

Advantage :
Auto die roll origin alignment using the world's first built-in electric positioning sensor.
No need to re-adjust die roll alignment every time the die roll is being interchanged.

7. Light casting drum water jacket

Description :
Applying the thin 1 layer casting drum water jacket.

Advantage :
Enhanced durability of casting drum parts due to light weight of casting drum.
Fundamentally prevent the water leakage due to light weight of 1-layer jacket water.

8. Water wedge

Description :
Application of water circulation wedge.

Advantage :
A simple wedge module that eliminates complicated heater wires.
Application of Thermo-Chiller exclusively for water wedge.
Ensure the most even temperature throughout the whole wedge area.

- 5 Plungers
- 6 Auto die Roll alignment setting
- 7 Light casting drum water jacket
- 8 Water wedge

9. Sliding type electric enclosure

Description :
Application the sliding type electric enclosure.

Advantage :
Maximize machine frame space utilization.
Improved equipment maintenance convenience.

10. Magnetic type capsule stripper coupling

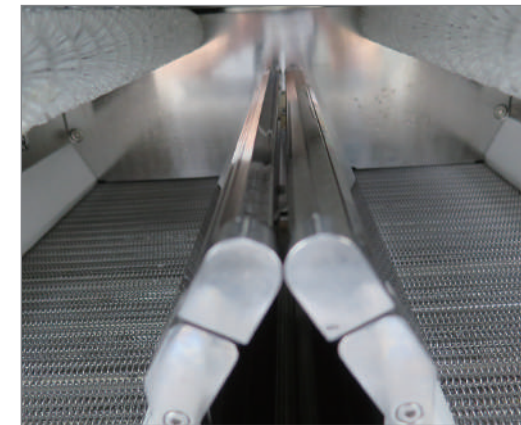
Description :
Improved the hexagonal capsule stripper bar to automatic opening and closing type by applying magnetic coupling

Advantage :
Owing to magnetic coupling applying, when the gel-net jamming problem occurs, the rotation of the stripper roller bar is automatically stopped immediately to prevent further serious gel-net jamming problems from developing.

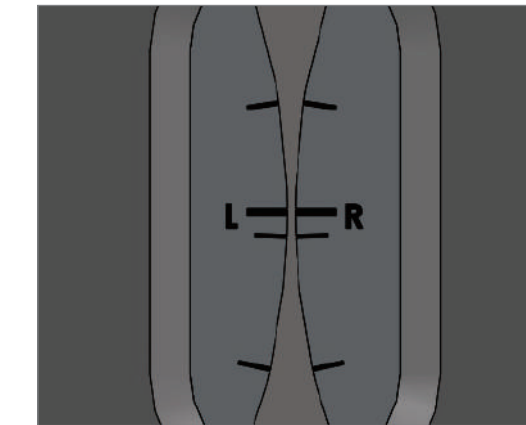
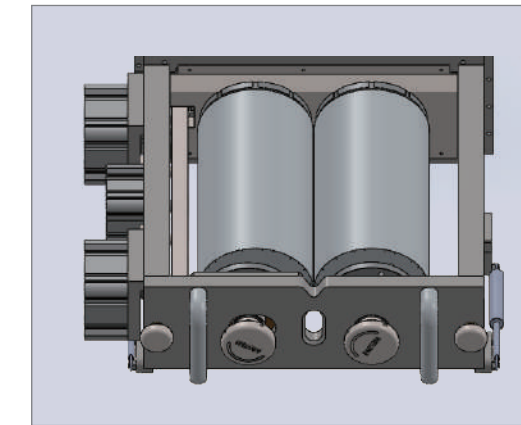
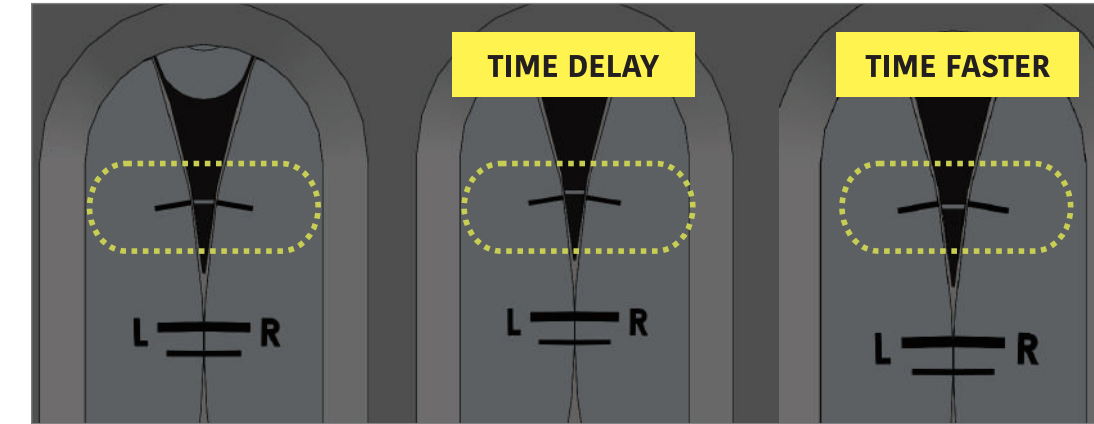
11. Poly carbonate out-cover

Description :
Applied 15mm thick poly carbonated out-cover as well as the folding & sliding type out-cover

Advantage :
In order to increase the robustness and durability of out-cover as well as in order to increase the space utilization and convenience in use, applied folding and sliding type cover. g problems from developing.



- 9 Sliding type electric enclosure
- 10 Magnetic type capsule stripper coupling
- 11 Poly carbonate out-cover



12. Injection timing adjustment without machine stopping

Description :
Due to the enhancement of machine operating technology and the advancement of OS program, injection timing can be adjusted at any time without machine stop.

Advantage :
In the past, in order to change the injection timing, the machine had to be stopped and the injection timing adjusted again.
Owing to the development of operating technology, the injection timing can be adjusted with one-touch at any time during machine running, saving time and money greatly.

13. Multi-step pneumatic die roll pusher cylinder

Description :
By applying the multi-step pneumatic cylinder, a precise control of die roll pusher is enable.

Advantage :
An excellent convenience in checking die roll alignment and adjusting injection timing as well, since the die roll stops at a very precise distance between two die rolls (R&L).
This multi-step pneumatic cylinder fundamentally prevents the possibility of die roll damage due to sudden contact the both side die roll by accidently during die roll alignment check or injection timing adjustment.