

## *RGY 12-15 IV Softgel Encapsulator*



RGY12-15 IV softgel encapsulator is the most advanced soft capsule production equipment. The equipment has an all-servo control system, which provides greater output and stable performance, enabling more automated production.

### **Feature:**

- Full servo control system, high control accuracy, more accurate rotation speed matching, more drive components, and full automation;
- The mold axis is driven by a direct drive motor to eliminate the influence of the reducer on the accuracy;
- Electronic gears are used for meshing wear and no need of lubrication;
- Electronic cams are used to make on-line digital adjustments, which is more intuitive and eliminates the impact of the feeding pump and reduces vibration. High-precision, digital, on-line controlled micro gelatin ribbon lubrication system, which can remember the best lubricant value and make more convenient and accurate adjustments. The capsules do not need cleaning, which shortens the drying time and increases production efficiency;
- An independent chiller is used to control the temperature of the gelatin drum, which is more stable and more convenient to operate;
- The gelatin level is controlled by a capacitive proximity switch, which is non-contact, stable and reliable;
- The light conveyor is small in size and light in weight, convenient to disassemble and easy to clean;
- The design of the user interface is more user-friendly, simple and intuitive, and easy to learn and understand;
- A patented wedge lift mechanism and a mechanical limit structure are used to prevent accidents;
- A patented balance dosage structure for feeding pump is used to ensure dosage stability and material adaptability;

- A patented die roll cold-air technology can increase the production efficiency and yield (optional) when encapsulating special materials;
- The overall operation of the equipment is stable and reliable, and it is suitable for mass production.

**Parameters:**

<b>NAME</b>	<b>PARAMETER</b>
Speed	1~10rpm
Size	Φ200x300
Plunger dosage	1.5mL (±1.5%)
Production capacity	394000 pcs/h @8rpm (8#OV); 177400 pcs/h@8rpm (20#OB)
Spindle support	bearing
Control mode	full servo (spindle direct drive, no reducer), electronic gear, electronic cam
Spindle support	bearing
Gelatin drum cooling method	external chiller
Gelatin ribbon lubrication method	independent 4 sets of micro lubrication pump
Feeding pump lubrication method	external circulation of independent magnetic pump
Material of gelatin drum	stainless steel, chrome-coated