



HALO PARMATECH

## *CS3 Automatic Vacuum Decapsulator*



In the relatively airtight environment-working cabin, use high and low pressures to alternate changes rapidly “pressure shear” causing pulsed drawing force to the capsule. Under the continuous function of the pulsed drawing force, the capsule is gradually drawn and separated.

The working process is divided into two stages: boosting press use shear and pressure release shear. Boosting pressure shear is the high and low pressure shearing process generated by shearing pulsed-wave work, during which, the drawing force to the capsule will be increased from zero, gradually the cap of the capsule will begin to fetch way outwards from the closed slot, for the capsule and the cap is completely opened, the powder is scattered out.

### **Actualize**

The following situations will cause abnormal capsule, it is need to use DECAPSULATOR to recycle powder:

1. At start-up stage of each batch of drug production, it is easy to appear instable filling of powder during debugging of Capsule Filling Machine, they are unqualified while the products cannot meet the requirements with powder filling level.
2. During daily production of pharmaceutical enterprises, the unqualified capsule products is caused by abnormal operation of relevant devices.
3. During daily production of pharmaceutical enterprises, the unqualified capsule products is caused by abnormal raw materials or unstable production process.
4. Additionally, the research institute of new medicine will also have some capsule products that failed to meet the expected requirements and needs to be improved further during small scale test stage of new drug to grope for formula.

5. Simultaneously, with increasing higher requirement to quality, more and more enterprises will import automation equipment used for determination of weight & quality of capsule products in its own process, so there will be more unqualified capsule produces to have the opportunity to be filtered.

## 9 advantages

1. Pure power, without fragment, completely GMP standard.
2. Applicable for every model No. Of capsule, more than 99% recover rate.
3. Recover powder of tens of thousands of capsules within 20 minutes.
4. Applicable for types of caps, including normal sharp caps, transmutative caps, deflated head caps, burned caps, tacky and hard open caps etc.
5. Vacuum principle, no parts can touch the powder, no mechanical damage.
6. Applicable for all models No., no need to change any molds, and no need to adjust.
7. Powder just can touch air, so, no metal fragments, and no pollution of lubricant.
8. Capsule shell intact after powder recovered. Wealthy capsule can use again, thus can save cost further.
9. Operation without dust, epi-ready and convenient to handle, dismantle, install and clean with rational structure, and easy to move.

## Equipment parameters

CS Model Technical Specifications						
Model	CS-mini	CS1	CS2	CS3	CS3-A	CS5
Efficiency	1-500pcs/min	1-700pcs/min	1-3000pcs/min	1-1000pcs/min	1-1000pcs/min	1-5000pcs/min
Applicable Range	000#, 00#, 0#, 0e1, 1#, 2#, 3#, 4#, 5# and other kinds of capsules					
Mode	Semi-auto	Semi-auto	Semi-auto	Auto	Auto	Auto
Sieving	Manual	Manual	Manual	Auto	Auto	Auto
Working Voltage	AC100-240V 50-60HZ					
Control Voltage	DC24V					
Power Rating	35W	35W	35W	60W	60W	120W
Chamber Capacity	1.7L	1L	7.5L	2.3L	2.3L	8.5L
Air Source	4-5bar (0.4-0.5Mpa)	4-6bar (0.4-0.6Mpa)	4-6bar (0.4-0.6Mpa)	4-5bar (0.4-0.5Mpa)	4-5bar (0.4-0.5Mpa)	4-5bar (0.4-0.5Mpa)
Volume Flow	0.005 m <sup>3</sup> /min	0.004m <sup>3</sup> /min	0.008m <sup>3</sup> /min	0.005 m <sup>3</sup> /min	0.005 m <sup>3</sup> /min	0.015 m <sup>3</sup> /min
Voltage Margin Volume	PS+V≤45bar•L ( European Standard )					
Working Air Pressure	≤5bar (0.5Mpa)					
Dimension	607×310×553mm	450×600×650mm	840×420×490mm	500×400×1550mm	500×400×1550mm	750×700×1670mm
Weight	45kg	55kg	80kg	80kg	80kg	150kg
Operation Style	Buttons	Buttons	Buttons	Buttons	Touch Screen	Touch Screen