

NJPF系列全自动硬胶囊液体灌装封口机

NJPF Series Fully Automatic Hard Capsule Liquid Filling And Sealing Machine

► 用途 (Application)

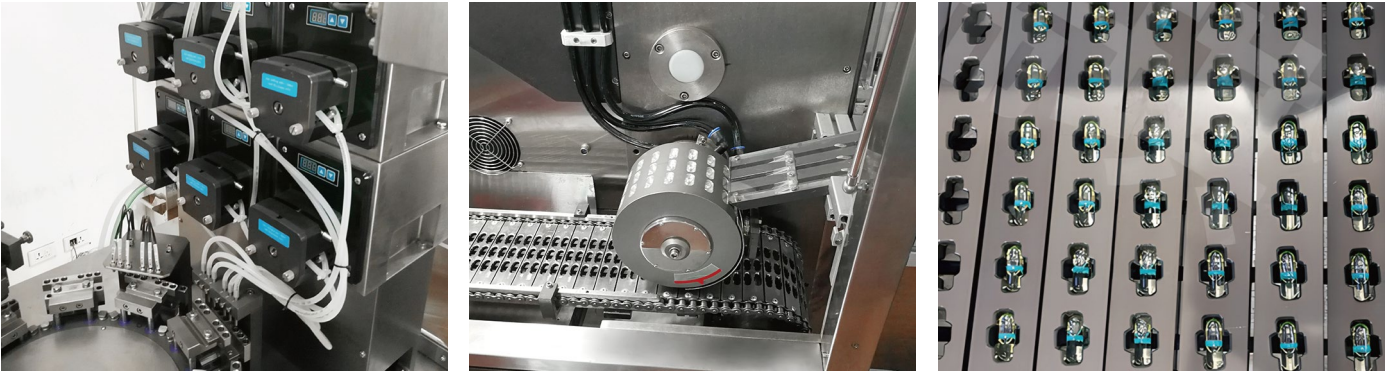
NJPF是专为制药行业和保健食品工厂量身定制的专业解决方案。这款多功能机器擅长用各种液体配方（从溶液到混合悬浮液和热溶液）精确填充硬胶囊。其广泛适用性延伸到药品、药物和化学品，如粉末、颗粒和药丸。此外，该机器可以无缝处理维生素、食品、动物药物和液体的灌装，满足不同的生产需求。

NJPF is a specialized solution tailored for the pharmaceutical industry and health food factories. This versatile machine excels in accurately filling hard capsules with various liquid formulations, ranging from solutions to mixed suspensions and hot solutions. Its broad applicability extends to pharmaceuticals, medicines, and chemicals like powders, pellets, granules, and pills. Moreover, this machine can seamlessly handle the filling of vitamins, food items, animal drugs, and liquids, catering to diverse production needs.

► 特点 (Features)

1. 本机采用多条回转线纠偏机构，避免了错位、胶囊磨损、印刷文字脱落等问题，提高了整机效率。
2. 胶囊填满滚轮各孔后，由滚轮输送到各孔内的传送板上，第一道封口滚轮旋转，将胶囊封口，第二道封口滚轮旋转，封口效果好。
3. 封口液在封口槽与封口箱之间循环流动，使用明胶封口时，应保持明胶温度在规定范围内，可定期向封口槽内加入封口溶胶和热水，以保持封口液的状态。
4. 封口后的胶囊由传送板输送到干燥装置，通过室内过滤空气，将胶囊干燥至不粘稠。
5. 本机通过更换相应备件，可适应不同规格的胶囊。
6. 本机通过定期从供水罐向封口罐加入热水，保持封口液浓度恒定。

1. The machine adopts a position-rectifying mechanism with multiple rotary lines. Such mechanism avoids position diverting, wearing capsules and detachment of printing words, thus boosting the overall efficiency.
2. After capsules fill roller’ s each hole, they will be conveyed to the transmission board plate within each hole. With the first sealing roller rotating, the capsule would be sealed. The second sealing roller would work the same, ensuring good sealing effect.
3. The sealing solution would circulate between the sealing tank and the sealing box. When Gelatin is used for sealing, its temperature should be kept within the specified range. The state of the sealing fluid can be maintained by regularly adding sealing sol and hot water to the sealing tank.
4. The sealed capsules are conveyed from the transmission plate to the drying unit where capsules can be dried until they are not sticky through the indoor filtered air.
5. The machine is available for capsules in different sizes through replacing relative spare parts.
6. This function can keep the concentration of the sealing solution constant by periodically adding hot water from the water supply tank to the sealing tank.



► 技术参数 (Technical Parameters)

参数ITEM	型号TYPE	NJPF300	NJPF600
电机功率 Motor Power		7.75kw	
电源 Power Supply		Three phase four wire AC 380V;50Hz	
最大产量 Max. Output		300pcs/min	600pcs/min
胶囊填充类型Capsule Filler Type		#00~#2 and Safe capsule A~E	
胶囊装填率 Capsule Loading Rate		≥99.5%	
噪音指数 Noise Index		≤75dB(A)	
填充量变化 Variation in Filling Capacity		Liquid more than 300mg≤±3%	
压缩空气 Compressed Air		0.06m³/min 0.3Mpa	
水源要求 Water Source Requirements		水环式真空泵配水箱循环使用，也可外接水源 Water ring vacuum pump with water tank for recycling, also available with external water source	
真空度 Vacuum Degree		-0.02~-0.06mpa	
水流量 Water Flow Rate		250L/h	
进水管内径 Inlet Pipe Inner Dia.		20mm	
出水管内径Internal Dia. of Discharge Pipe		27mm	
工作环境温度 Working Ambient Temperature		21 ± 3℃	
工作厂房高度要求 Working Plant Height Hequirement		人工加料 Manual filling≥2.6m，真空上料 Vacuum feeding≥2.8m	
工作环境相对湿度 Relative Humidity of Working Environment		40~55%	
排风量 Exhaust Air Volume		300m³/h	
控制系统 Control System		变频无级调速，PLC控制 Inverter stepless speed control, PLC control	
材料 Materials		与胶囊和液体直接接触的零部件采用304优质不锈钢 Parts in direct contact with the capsule and liquid are made of 304 high quality stainless steel	
特殊功能 Special Features		可增加微丸罐装装置/小号胶囊装置 A micro-pill canister unit / Small capsule unit can be added	
外形尺寸 Overall Size		3565*1100*2100mm	
机器净重 Net Weight		2450kg	