



NJP-800C Automatic Capsule Filling Machine





Introduction

The model is the third generation of innovative products. It has 6 technological innovations and 2 invention patents. It can fill powder, granules and other materials into

hollow capsules (000#, 00#, 0#, 1#, 2#, 3#, 4#, 5#). It can automatically finish the production

process including sowing, capsule separating, filling, locking, unqualified capsule rejected

and finished products output. It has the advantages of accurate loading, stable operation

and no dust. It meets the GMP requirements, it is an ideal equipment for filling Chinese,

Western medicines and health care product .

Main Features

1、 Reasonable design, modular structure, easy operation and lower failure rate.

2、 Safety first, all the working stations take full account of the personal safety, such as

the door control and emergency stop switch.

3 、 Segmentation adapt German Cai Si for 3 seconds (Zeiss) optical dividing head indexing, indexing shaft completed a one-time processing, loading and high precision, the

error is less than or equal to 3%.

4、 Rotary design to obtain a patent for utility model, the sealing ring using imported SIL

silicone rubber, effectively prevent powder into the internal turntable, good sealing performance, no dust overflow pollution; Transverse biaxial adapt PTFE oil-less bearing, no

need refueling; modular structure, equipped with jog operation, convenient maintenance and

cleaning, replacement of mold only 15 minutes.

5、 The filling mechanism obtains the national new patent, adopts the three-dimensional

adjustment, makes the metering plate evenly force, the adjustment volume is precise and

quick, and the powder recovery device is added, the recycling rate is 100%, which reduces

the waste and improves the economic benefit.

6、 Capsule suction, capsule outlet, locking and waste rejection adapt double sealing



device, one is imported NBR sealing rubber which prevents the loss of lubricating oil. The

other seals use the imported SIL silicone rubber sealing ring to block the powder into the

bearing, which effectively solves the problem of the card machine that the powder enters the bearing.

7、 The filling rod, the upper and lower die holes, the measuring disk adapt non polar electronic polishing treatment, enhance the material fluidity, which has solved the problems

of sticky of material, stick with mold and easy to absorb moisture. (According to the material

properties and the special requirements of customers, we can provide the Teflon coating

processing service)

8、 Equipped with on-line air pressure die cleaning system, the upper and lower dies are

clean and without dust, improve the sowing effect.

9、 Precision mold concentricity, zero deviation, ensure that the capsule is not wiping, no damage.

10、 Automatic rejection device, improve the charging efficiency.

11 、 The control appliance adopts the world famous brand, modularized setup, convenient inspection and maintenance, SIEMENS human machine interface, real-time

counting, and can print the equipment according to customer needs, print production date,

batch number, code, etc.

12、 The separation device has been innovated to separate the powder from the waste

capsule and avoid the pollution of the reclaimed powder. (Optional)

13、 All the parts of the contact drug are made of stainless steel 316, and the waste device adopts seven lines of aero aluminum.

14 、 The equipment is small in volume, low in energy consumption, convenient in cleaning and stable in operation. It is suitable for continuous production of 24 hours.



Technician Parameters

Production capacity	48000 pcs/h
Net weight of machine	900Kg
Overall size of machine	865×855×1900(mm)
Power	380/220V 50Hz
Total power	5KW
No.of segment bores	6
Vacuum	20m3/h-0.04-0.08Mpa
Dust collector	17.6Kpa 180m3/h
Noise	<75DB(A)
Making rate	Empty capsule 99.9% Full capsule 99.8%
Applicable capsule	00,0,1,2,3,4,5#
Filling error	Western medicine:±3% Chinese medicine:±4%
Applicable product	Power、granule、pellet、tablet



Configuration List

Item	Specification	Qty.	Manufacturer
Touch screen	6AV6/648-0BC11-3AX0	1	Germany Siemens
PLC	6ES7/288-1ST20-0AA0	1	Germany Siemens
AC Contactor	3TB42	4	Germany Siemens
Frequency converter	VFD015 B21A	1	Taiwan Delta
Button	ZB2-BA3C	3	Schneider
Main Motor	CH-30-1100W	1	Dongli
Cam	RU-83DS-10 RU-83DS-6	2	Taiwan Safepower
Vacuum pump (wet)	SK-0.3A	1	Shanghai
Dust collector	XLJ Series	1	Self-made
Linear bearing	LM10UU	80	Korea SAMICK
Linear bearing	LM12UU	8	Korea SAMICK
Linear bearing	LM20UU	8	Korea SAMICK
Linear bearing	LM30UU	4	Korea SAMICK
Roller bearing	CF6B	10	Japan IKO
Roller bearing	CF12B	5	Japan IKO
Roller bearing	CF18B	1	Japan IKO
Deep groove ball bearing	6200	10	Japan NSK



Structure of Machine Part

1.Main Structure



2.Turntable and mold





3.Locking device

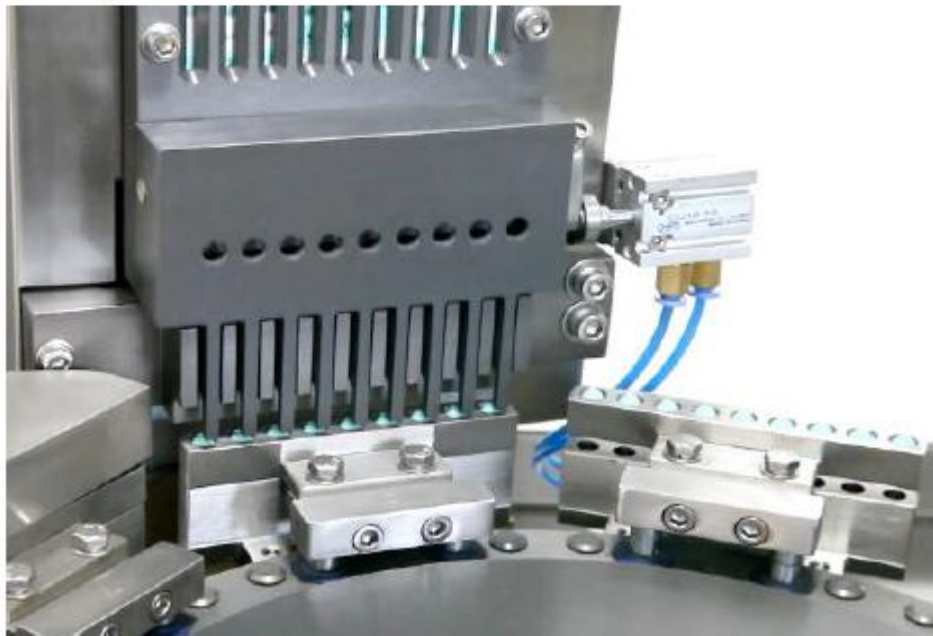




4.Measuring device



5. Sowing



6. Screw

