

NJP-200 Automatic Capsule Filling Machine

The **NJP-200** automatic capsule filling processes the products for optimal productivity up to **12,000 capsules per hour**, featuring low-maintenance operation, minimal downtime, and overall dependable production. Powder dosing uses the 5 stage tamping technology for an enhanced accuracy. Filling of pellets is available.

NJP-200 Capsule Filling Machine Principle of Operation

- Capsules from the bunker are feed into the orienting device along the vertical guide.
- Then they are transferred into special cells on the rotor. Here the capsule is separated, after what the bottom part comes to the filling position.
- After filling the bottom part with the material, on next positions the non-separated capsules are rejected, and the filled bottom parts are joined with top parts, counted and taken away into the receiving box.



NJP-200 Capsule Filling Machine Features

- ✧ cGMP design with emphasis in powder dust handling: Enclosed main turn table avoid dust getting into mechanical parts.
- ✧ Enclosed dosing system with dust suction reduces cleaning frequency.
- ✧ Vacuum cleaning station for segment cleanup in each cycle.
- ✧ Efficient capsule separation by means of vacuum.
- ✧ Automatic control for capsule and powder supply.
- ✧ PLC control (SIEMENS) for reliable operation.
- ✧ Touch Screen HMI, featuring user friendly controls: production counter, manual / automatic / parameter setup modes, alarms.
- ✧ Precision capsule segments and dosing disk minimizes adjustments following parts changeover.
- ✧ SS 304 stainless steel frames and transparent safety interlock guards.
- ✧ Special 3D design in dosing disc bottom ring, 5-column support prevents material fatigue and deformation, ensures a constant gap of the dosing disc.

Capsule Filling Machine	NJP-200 Capsule Filler
Number of stations	8
Number of segment bores	2
Application range	Capsule sizes: #0, #1, #2, #3, #4 (option #00, #5) Each size requires a set of capsule tooling.
Max. output (pellet filling)	3,000-8,500 pcs/ h (actual speed depends on formulation characteristics, filled weight, capsule size .. etc)
Max. Output(powder filling)	6,000-12,000 pcs / h
Power source	380/220V , 3 phase 4 wire , 60/50 HZ
Power consumption	3 KW
Machine dimensions	610(L) x680(W) x 1800(H) mm
Machine Weight	700 Kg (approx)