

## NJP-400 Automatic Capsule Filling Machine

The **NJP-400** automatic capsule filling processes the products for optimal productivity up to **24,000 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-400 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-400 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-400 Capsule Filler
Number of stations	10
Number of segment bores	3
Application range	Capsule sizes: #0, #1, #2, #3, #4 (option #00, #5) Each size requires a set of capsule tooling.
Max. output (pellet filling)	3,000-17,00 pcs/ h (actual speed depends on formulation characteristics, filled weight, capsule size .. etc)
Max. Output(powder filling)	6,000-24,000 pcs / h
Power source	380/220V , 3 phase 4 wire , 60/50 HZ
Power consumption	3 KW
Machine dimensions	760(L) x780(W) x 1900(H) mm
Machine Weight	800 Kg ( approx )