

NP-TVF Automatic Tracking Piston Filling Machine



The NP-TVF Automatic Tracking Piston Filling machine is the new generation piston filler. The update is the control technology, not the volumetric dosing system. It adapts with motion controller, servo motor driven the moving of the pistons and filling heads. It is non stop and continuous working. The machine is working more efficient and intelligence, multi-axis high-precision synchronization controlling working.

Feature

- Multi-axis high-precision synchronization control, continuous working with 2 or 4 filling heads, capacity increase 50% comparing to the traditional piston filler
- Filling heads trace with containers or bottles for filling
- Machine construction structure material is 304 stainless steel, with material quality certificate
- Pistons and dosing head is made by 316L SS with material certificate
- Piston gaskets is made by non-corrosive material according to the liquid products.
- Electrical components are water proof protection.
- Pneumatic adapt with SMC or Festo as a main part.
- HMI is flexible moving side
- Equip with minimum 3 emergency stop buttons, one near the touch screen, one near empty product insertion side and one in the back side of the machine.
- Controller and HMI is Europ, Japan and China Top Brand
- Electrical components Schneider
- Identification of each cable with single line electrical diagram for the whole electric installation.
- Ball-bearing and seals are SKF and China top level brand.
- Servo driven filling nozzles moving right to left and up and down.
- Pneumatic shut off and anti-drips filling nozzles
- No need drips tray at all
- One touch adjust for different size of containers.
- Remote Assistance and help maintaining and update programmer

Technical Parameters

Filling Nozzles	2-4Nozzles
Production Capacity	30 to 100BPM
Filling Volume	50-1000ML
Power	3KW to 6KW, 220/380VAC
Accuracy	±2ML
Driven	Servo Motor
Inerface	High-performance intelligent mechanical controllers, and advanced HMIs