



Linear 2 Lane K Cup Coffee Capsule Filling Machine CP5002K/CP5004K



CP5002 and CP5004 series are our latest machines, suitable for medium-sized and large companies.

The machine can fill and grind coffee powder, instant powder, tea, match powder, and so on.

Filling with servo screws, the speed can reach 6000-12000 k cups per hour.

Optional two or four columns.

Upgraded nitrogen flushing system with less than 5% residual oxygen.

Standard function:

Cup Feeding

1. Automatic load cup
2. Loading device can be changed to other sizes to satisfy your different coffee capsules

Coffee filling with nitrogen flushing

1. Automatically vacuum suck and convey coffee powder
2. Servo motor control auger filling
3. With filling nitrogen system, nitrogen flush process from empty capsules to heat seal station

Capsule sealing station

1. Automatic suck and place lids
2. Omron brand automatically heat seal, line seal, and flat seal
3. Sealing material is copper, heat evenly, sealing effect is better

Coffee capsule output

1. Automatically output finished product.
2. Automatically reject unqualified on the conveyor belt, the sensor detects empty cups loading position, no cups, and alarm.

Main working process steps:

Empty K cup capsule load to machine (horizontal system or vertical system)→check K cup inside ready→nitrogen flush→filling coffee→dust cleaning→liquid flavoring system to do flavored coffee (optional)→place aluminum foil lid→seal capsule→check capsule weight (optional) →check sealing good or bad sealing→grab out good K cup→ink jet printer (or laser lot printer optional)→connect to next packaging like 12ct/24ct paper box packing (manufactured by us)

Technical parameters:

| Model | CP5002K /CP5004K |
|-----------------------------|--|
| Suitable for | Keurig kcup compatible capsules |
| Notice | One machine made for one capsule if more capsules need confirm by us |
| Capacity speed per minute | CP5002: 100pcs/min |
| | CP5004: 200pcs/min |
| Filling type | Serve motor driven auger filler |
| Filling accuracy | ±0.1g |
| Sealing type | Pneumatically driven heat and seal curve ring Omron precise temperature controller |
| Voltage | 220v 50/60hz—3PHASE (by customer) |
| Dimension (Horizontal load) | 4500mmX1050mX2062mm |
| Dimension (Vertical load) | 3500mmX1050mX2062mm |
| Weight | 1250kg |
| Compressed air consumption | 0.5 m3 per minute @ ≥ 0.6Mpa |
| Certification | CE, FDA, CSA, ISO Compliant |