

# URBAN OUTSOURCING

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## Automatic Capsule Filling Machine Model:KDF-6



### BASIC MACHINE EQUIPMENT (Included accessories as below)

#### A. Appearance:

1. Stainless steel housing (SS304)
2. Safety guard (8m/m thickness temper glass) with protection switch- machine stops when any door is opened.
3. 4 pcs Movable wheels, 4 pcs anti-vibrator legs.
4. Hand wheel – to inch machine when test running.

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## **B. Filling Compartment:**

1. Automatic capsule orientation device with 18 liter stainless steel 316 capsule hopper.
2. 10 working stations rotary table.
3. Capsule separation at two vacuum stations.
4. Ejection & collection of un-separated capsules device.
5. Capsule closing device.
6. Finished product collecting system.
7. Capsule holder cleaning system for next cycle.
8. Powder filling device with 15 liter stainless steel 316 hopper.
9. Powder level detector of turntable.
10. Storage detector of powder hopper(machine will stop when no powder).
11. Storage detector of capsule hopper(machine will stop when no empty capsule.)

## **C. Mechanical Control Compartment:**

1. Main motor with inverter – to run the machine at various speed.
2. High precision roller gear type index – to run intermittent motion very precisely.
3. Separable Cams – easy for maintenance.
4. 1/4 HP speed-adjustable powder agitator motor to provide various auger speeds according to different powder.
5. Electrical control box:
  - 5.1 Digital productivity display.
  - 5.2 Micro electric current control – to stop machine immediately when overload and prevent from being collided.
  - 5.3 Exchangeable micro processor PC board for control operation.
  - 5.4 Stainless steel housing & electric control system.
  - 5.5 Emergency stop.
  - 5.6 Vacuum gauges for capsules separation station & powder filling station.
  - 5.7 Door with lock & power supply switch-main power switch  
(Main power must be off before open door; Turn on the main power then machine works)

## **D. Accessories:**

1. Size change parts-1set
  - 1.1 Capsule holders-10 sets
  - 1.2 Filling tube unit- 1set (6 pcs SS316 tubes with pistons- adjust filling volume)
  - 1.3 Capsule orientation parts-1set (for one of capsule size #0,#1,#2,#3 or #4)
2. Spare parts for one year - 1set
3. Tool kit - 1set
4. Operation manual
5. 2HP vacuum pump 1 set.
- 6.1000W vacuum cleaner 1 set.

## **Optional Accessories**

- A. size change part (#0,#1,#2,#3,#4)
- B. size change part (#00,#0E)
- C. granule / pellet filling unit
- C-1 change part for granule / pellet filling unit
- D. capsule polishing machine (model: KDP-1)
- E. spare parts for two years
- F. Touch screen operation panel (PLC control system)
- G. Micro-filling system