

# Automatic Rotary Tablet Press

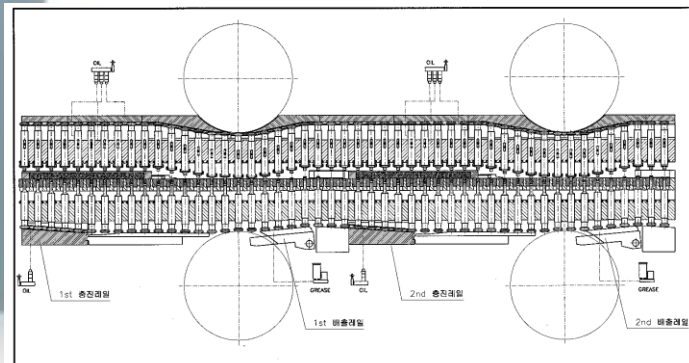
## KP5 Series

**KP5-Series** tablet press designed to produce a single layer and double layer tablet with high speed. It's designed based on GMP standard and easier operation & simple maintenance. The machine could be expected high efficiency and increase high quality tablets productivity. According to GMP standard, the compression area is paint-free and completely covered by stainless steel the compression zone. The compression zone and upper punch cam could be assemble & disassemble without any tools. Thus changeover time and cleaning time is very fast & convenient. We have obtained CE Mark certification from TUV NORD CERT. KIS Corporation to achieve quality standardization of all production equipment.



### ➤ Feature

- Double sided press.
- 2 layer production.
- 41, 49, 59, 65 station.
- PLC control platform.
- According to GMP regulations.



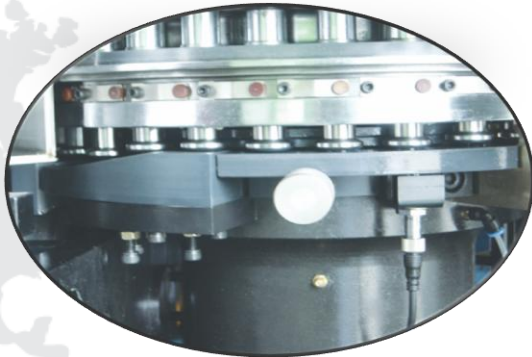
# Automatic Rotary Tablet Press

## KP5 Feature



The shut-off valve of hopper, control the feeding powder amount to the mechanical feeder, even contained powder inside of hopper can be assembly & disassembly the hopper.

The 3-chamber mechanical feeder improved the filling effect, the mechanical feeder & pedal transmission shaft also assembly & disassembly without any other tools.



Upper punch and lower punches mounted dust seal as standard. These seal prevent dust powder & oil accumulation. Thus machine operation time extended without cleaning service.



At lower punch, mounted the punch brake for the purpose of prevent noise, reduce capping & weight variation of the tablets.



Automatic lubrication systems do to supply oil to upper punch, lower punch and cam automatically.

# Automatic Rotary Tablet Press

## Specification

|                                |      |  |         |         |            |
|--------------------------------|------|--|---------|---------|------------|
| Model No.                      |      | KP5-65                                       | KP5-59  | KP5-49  | KP5-41     |
| Number of station              |      | 65   | 59      | 49      | 41         |
| Punch Type                     |      | EU 19<br>(IPT/TSM19)                         |         |         | EU 1"      |
|                                |      |  |         |         | IPT/TSM 1" |
| Tablet output/h max.           | min. | 156,000                                      | 141,600 | 117,600 | 98,400     |
|                                | max. | 546,000                                      | 495,600 | 411,600 | 295,200    |
| Revolution of disk             | rpm  | 20~70  | 20~70   | 20~70   | 20~60      |
| Max. pressure(ton)             | ton  | 10   | 10      | 10      | 10         |
| Max. tablet - Round            | mm   | 11   | 13      | 16      | 25         |
| Max. tablet thickness          | mm   | 8.5  | 8.5     | 8.5     | 8.5        |
| Max. filling depth             | mm   | 18   | 18      | 18      | 18         |
| Upper- punch penetration depth | mm   | 3~6  | 3~6     | 3~6     | 3~6        |
| Pitch circle diameter          | mm   | Ø572   |         |         |            |
| Die plate diameter             | mm   | Ø22  | Ø24     | Ø30.16  | Ø38.10     |
| Die plate height               | mm   | 22.225                                       | 22.225  | 22.225  | 23.8       |
| Punch shank diameter           | mm   | Ø19  | Ø19     | Ø19     | Ø25.35     |
| Punch length                   | mm   | 136.6 (133.35)                               |         |         |            |
| Power of main motor            | kw   | 11 kw  |         |         |            |
| Net dimension                  | mm   | 1,140 mm x 1,200 mm x 2,075 mm (with hopper) |         |         |            |
| Without hopper                 | mm   | 1,140 mm x 1,200 mm x 1,840 mm               |         |         |            |
| Net weight                     | kg   | 4,800 kg approximately                       |         |         |            |
| Power supply                   |      | 220/380 V, 50/60 Hz, 3 P                     |         |         |            |



# Automatic Rotary Tablet Press

## Options – De-Duster



KSTDU-40



KSTDU-60

### ➤ Feature

Tablet de-duster model KSTD-40 and KSTDU-60 is specially designed cleaning system, which removes powder or dust from the finished tablets, which are pressed and then discharged by vibration.

Tablets turn over several times while compressed air blows off any loose dust on the tablets.

It meets the most stringent require meets in terms of GMP compliant design and construction quality.

- Variable intensity vibrator and stepped screen.
- Variable speed operation.
- Adjustable height for use with any type of tablet press.
- Sturdy 304 stainless steel construction with acrylic housing to meet GMP requirements.
- Products Contact parts applied STS 316L Material.
- Vacuum nozzle for dust control.
- All contact parts can be quickly dismantled for quick, easy, thorough cleaning.
- Easy to operate and maintain.

# Automatic Rotary Tablet Press

## Specification

| Model                       | KSTDU-40 (Uphill type)                      | KSTDU-60 (Uphill type)              |
|-----------------------------|---|-------------------------------------|
| Capacity                    | 400,000 tab/h – 5mm round tablet            |                                     |
|                             | 350,000 tab/h – 8mm round tablet            |                                     |
|                             | 300,000 tab/h – 13mm round tablet           |                                     |
|                             | 300,000 tab/h – 5mm x 4mm oval tablet       |                                     |
|                             | 100,000 tab/h-19mm x 7mm oval tablet        | 150,000 tab/h-9mm x 7mm oval tablet |
| Dimension(mm)               | 450(W) x 450(D) x 1168(H)                   | 460(W) x 500(D) x 1427(H)           |
| Tablet Input Height(mm)     | 845~1005m<br>(Available Adjustment)         | 715~865mm                           |
| Tablet Exhaust Height(mm)   | Max. 910~1070mm<br>(Available Adjustment)   | 845~995mm                           |
| Input Suit Width(mm)        | 130 x 80mm                                  | 115 x 40mm                          |
| Exhaust Suit Width(mm)      | 75mm  | 85 x 35mm                           |
| Electric                    | 220V, 50/60Hz, 1Ph                          |                                     |
| Transfer Speed              | Vibration Type(Available Speed Control)     |                                     |
| Air Consumption             | 200 m <sup>3</sup> /h – WS 200mm.           |                                     |
| Collector hose Diameter(mm) | φ32   | φ38                                 |
| Material                    | STS304 and Pharmaceuticals contacts STS316L |                                     |
| Weight                      | 97kg  | 135 kg                              |





## Options – Dust Collector



**OVC-15B**



**OVC-15BS**



**OVC-37BS**



**OVC-37B**

### ➤ Feature

The Dust collector, model OVC-15B, OVC-15BS, OVC-22B and OVC-37B has been designed to suck up shavings dust and it is mounted on casters in order to make the vacuum collector easy to handle. “BS” Models means all STS 304L material construction. The vacuumed material is subjected to a centrifugal action inside the tank where the coarser items fall owing to their weight, and the air passes through a filtering surface is discharged.

### Specification

| Model                                  | OVC-15B                      | OVC-22B                    | OVC-37B                     |                       |
|--|------------------------------|----------------------------|-----------------------------|-----------------------|
| Power source                           | 220/380/440, 60/50Hz, 3Phase |                            |                             |                       |
| Motor HP(kW)                           | 2HP(1.5kW)                   | 2.2                        | 5HP(3.7kW)                  |                       |
| Max. Air Quantity(m <sup>3</sup> /min) | 4.4(60Hz), 3.5(50Hz)         | 5(60Hz), 4.1(50Hz)         | 6.5(60Hz), 5.5(50Hz)        |                       |
| Max Pressure(mmAq±10%)                 | 2,050(60Hz),<br>1,400 (50Hz) | 2,250(60Hz),<br>1600(50Hz) | 2,800(60Hz),<br>2,000(50Hz) |                       |
| Filter                                 | Area(m <sup>2</sup> )        | 0.95(60Hz), 0.85(50Hz)     | 1.1(60Hz), 0.94(50Hz)       | 2.3(60Hz), 2.16(50Hz) |
|  | Quantity                     | 6                          | 6                           | 1                     |
|  | Material                     | Non-woven fabric           | Non-woven fabric            | P.E                   |
|  | Size                         | φ100 x 450H                | φ 100 x 500mmH              | φ300 x 400mmH         |
| Dust box capacity                      | 20 Liter                     | 20 Liter                   | 40 Liter                    |                       |
| Suction Port (ø x m)                   | 38 x 5                       | 50 x 5                     | 50 x 5                      |                       |
| Dimension (W x D x Hmm)                | 450 x 1034 x 1149            | 450 x 1048 x 1235          | 706x1273x1277               |                       |
| Weight(kg)                             | 90 kg                        | 98 kg                      | 160 kg                      |                       |

