

# Automatic Rotary Tablet Press

## KP4 Series

**KIS** KP4-Series is a high-speed rotary tablet press with having pre-pressure & main pressure station. 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.



### ➤ Feature

- High speed production capacity.
- 30, 36, 45, 48 station.
- PLC control platform.
- According to GMP regulations.
- Pre compression.
- Main compression

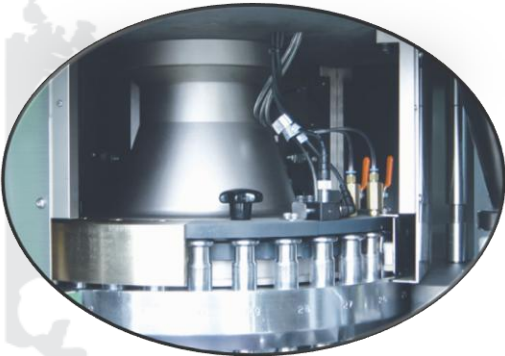
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## KP4 Feature



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		KP4/30	KP4/36	KP4/45	KP4/48
Numbers of Station		30	36	45	48
Input Power(AC)		380V, 3Phase, 60/50Hz,			
Punch Type		EU 1" IPT/TSM 1" D	EU 19 IPT/TSM 19 B	EU 19 IPT/TSM 19 BB	EU 19 IPT/TSM 19 BBS
Output/Hour	Min.	7,200	8,640	40,500	43,200
	Max.	135,000	216,000	270,000	288,000
Numbers of Rotation	rpm	4 ~ 75	4 ~ 100	15 ~ 100	15 ~ 100
Max. Tablet Diameter	Round	25	16	13	11
	Shaped	25	19	14	18
Max. Tablet Thickness	mm	8.5	8.5	8.5	8.5
Max. Filling Depth	mm	18	18	18	18
Upper Punch Penetration	mm	1 ~ 6	1 ~ 6	1 ~ 6	1 ~ 6
Max. Pre-compression Force	Ton	3	2	2	2
Max. Main Compression Force	Ton	10	8	8	8
Pitch circle diameter	mm	420	420	420	420
Diameter of Die	mm	38.1	30.16	24	22
Height of Die	mm	23.8	22.22	22.22	22.22
Punch shaft Diameter	mm	25.4	19	19	19
Length of Punch	mm	133.6 (133.5)			
Dimensions(including hopper)	mm	1,000(L)×1,225(W)×1,998(H)			
Power consumption	kw	8	6	6	6



# 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 (Available Adjustment)	715~865mm
Tablet Exhaust Height(mm)	Max. 910~1070mm (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), 1,400 (50Hz)	2,250(60Hz), 1600(50Hz)	2,800(60Hz), 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	

