



Round (Dimple) Shape



Triangle Shape



Diamond Shape



Core-Rod Tooling



Elongated Octagonal



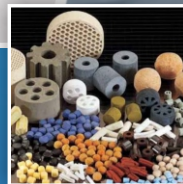
Caplet Shape



Rectangular Shape



Oval Shape



## JAYSHREE TABLET SCIENCE

Mfg. & Exporters of : Tablet Dies & Punches

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JAYSHREE MINI PRESS is a R&D tablet press designed to simulate two-layer tablet production on a pilot/small scale.

It is available in 9D, 11B & 10DB (5D & 5B) configurations.

## Standard Features

- cGMP model with contact parts SS 316
- Central pillar drive through an oil-immersed reduction gearbox
- Gravity feeding system & pre-compression System
- 3 Piece turret with SS 316 die table (upper & lower piece with ELNP coating)
- PLC with HMI controls
- Mono layer tablet attachment
- First layer sampling device



## Optional Features

- Main, pre compression & ejection force monitoring System
- Compaction Force Control system (CFC System)
- Force feeding system with ACVFD
- Turret with HCP Die table
- Various depth of fill lower cam tracks
- Turret with lower punch key way

The ideal output of the machine is maximum upto 23000 tablets/hr.



## JTD3 SINGLE ROTARY TABLET PRESS

### Salient Feature

- In Compliance with cGMP Guidelines.
- Rigid and Robust standard design machine.
- Variable Speed through VFD.
- Maximum Output 45,000 Tablet / hr.
- Maximum Operating Pressure 10 Tons.
- Easy to operate, clean and maintenance.
- Supplied with Round Base Body.

### Optional Feature

- PLC with HMI Controls
- Also available outside controls

### Technical Specification

TYPE	JTD3		
Station	16	20	23
Tooling	'D'	'D'	'D / B'
Output Tab. / Hour*	28,000	35,000	45,000
Max. Dia	23 mm	23 mm	16 mm
Max. Depth of fill	20 mm	20 mm	20 mm
Max. operating Pressure	10 tons	10 tons	10 tons
Electrical Power	2 HP. /3 ph., 960 RPM,	2 HP. /3 ph., 960 RPM,	2 HP. /3 ph., 960 RPM,
Overall Dimensions (mm)	980 x 1120 x 1820 (H) Approx.	980 x 1120 x 1820 (H) Approx.	980 x 1120 x 1820 (H) Approx.
Net Weight	1000 Kgs. Approx.	1000 Kgs. Approx.	1000 Kgs. Approx.
Gross Weight	1200 Kgs. Approx.	1200 Kgs. Approx.	1200 Kgs. Approx.



*Due to constant process of product improvement,  
we reserve the right of modifying the design without intimation*



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# JTSPRESS-I DOUBLE SIDED ROTARY TABLET PRESS



## Characteristics and Special Features

- In compliance with cGMP guidelines
- Main compression pressure up to 10 ton • Higher turret speed up to 42 RPM
- Variable speed frequency drive • Gravitational feed frame
- Interlocking at Upper Guards • Dust Nozzle with clamp

## Optional Feature

- PLC with HMI Controls
- Outside controls for weight & thickness
- Force Feeder with VFD
- Bi Layer Attachment

## Technical Specifications

TYPE	JTB4-27	JTB4-35	JTB4-45
Type of tooling	D	B	Die BB & Punch B
No. of station	27	35	45
Max. Operating Pressure	10 Tons.	6.5 Tons.	6.5 Tons.
Max. Tablet Diameter	23.0 mm	16.0 mm	7/16" (11.1 mm)
Max. Depth of Fill	20.0 mm	11/16" (17.4 mm)	11/16" (17.4 mm)
Output Tab./Hour*	50,000-1,29,000	67,200-1,68,400	86,400-2,16,800
Upper Punch Penetration	1.5 to 6.5 mm	1.5 to 6.5 mm	1.5 to 6.5 mm
Electric Motor	5 H.P. / 1440 R.P.M. /	5 H.P. / 1440 R.P.M.	5 H.P. / 1440 R.P.M.
Net Weight (Approx.)	1143 Kg.	1170 Kg. approx.	1170 Kg. approx.
Gross Weight (Approx.)	1400 Kg.	1420 Kg. approx.	1420 Kg. approx.
Machine Dimension (in mm)	1170 (L) x 1150 (B) x 1900 (H) Approx.	1170 (L) x 1150 (B) x 1900 (H) Approx.	1170 (L) x 1150 (B) x 1900 (H) Approx.



# JTSPRESS-IV HIGH SPEED DOUBLE SIDED ROTARY TABLET PRESS

## General Machine Description

JTSPRESS IV is a Double Sided, High Speed Rotary Tablet Press. Facilitated with Pre-Compression system, it incorporates many of the proven features of JTSPRESS with the latest in machine technology. JTSPRESS IV is one of the most advance machines of its class in the market today. Improvement in the areas of sound reduction, operator safety, cleanliness and cleanability and operation convenience are some of its key advantages. The machine is extremely reliable.

## Salient Features

- In compliance with cGMP guidelines • Force Feeder with VFD
- Easy Accessibility for Quick Cleaning and Product Conversion
- Improved Tablet Quality; Handles Difficult Products Easily due to Pre-Compression Facility. • Ensures Hygienic Production Conditions
- PLC Controls. • Also Available 55 "B", 61 "B" and 75 "BB" stations.
- Outside Controls for Tablet weight, thickness, pressure & punch penetration

## Optional Feature

- PLC with HMI Controls • Gravity Feeder • Vacuum Transfer System
- Powder Level Sensor • Bi Layer Attachment

## Technical Specification

TYPE	PRESS IV-45	55 / 61	75
No of Station	45	55 / 61	75
Type of Tooling	D	B	BB
Output Tablets/hour*	65,000 to 324,000	79,000 to 3,96,000	1,08,000 to 5,40,000
Main Operating Pressure upto	100 Kn	65 Kn	65 Kn
Max. Operating Pressure (Pre-Compression)	10 Kn	10 Kn	10 Kn
Max. Tablet Diameter	23 mm (25mm on demand)	16 mm	11.1 mm
Max. Depth of Fill	20 mm	17.4 mm	17.4 mm
Upper Punch Entry	3 to 8 mm	3 to 8 mm	3 to 8 mm
Power (Total)	12HP	12HP	12HP
Main Electric Motor	7.5 kW / 10 HP	7.5 kW / 10 HP	7.5 kW / 10 HP



\* Depending upon the characteristic of material and shape & size of tablets.



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# TABLET DE DUSTER (ELEVATING TYPE)

## Salient Features

- Completely Stainless steel structure • GMP model with contact parts SS316
- Very easy to clean • Easy to operate • Upward ( elevating ) movement of tablets
- Efficient De dusting with elevating motion in bottom to top motion suitable for high speed tablet machine.
- Dual motor drive from bottom with vacuum suction pot for collection of dust.
- Acrylic guard for process visualization • De Duster works on the principle of Rotary vibratory action • Single Phase UN Balance Vibro-motor for better vibration amplitude • Variable Frequency Drive based operating panel on the machine for ease of operation
- Very low Electrical power consumption & Very low noise level
- No moving component, hence almost maintenance free
- Height adjustment RAM Assembly to adjust the Tablet Press output discharge
- Tablet de-dusting route is geometrically designed as to achieve optimum de- dusting



## Technical Specifications

TYPE	De Duster	TYPE	De Duster
Input voltage	220 V 110 V	Castor wheel	2" size, wheel of PU material
Motor	02 nos., 0.25 Hp, 220 V, 3Ph	Power Supply	220 V 50 Hz / 110 V 60 Hz.
Tablet runway	4.5 meter ( approximate )	Charging spout	175 mm x 50 mm
All contact parts	SS 316	Charging Height	710 to 860 mm ( plus 150 mm extension footerce)
"U" type ribbon	Silicon rubber	Dis. charging Height	870 to 1030 mm ( plus 150 mm extension footerce)
Acrylic guard	310 mm O.D. x 5 mm thick	Output per hour (8mm Tablet)	@ 2,50,000 Tablet / Hr.

# METAL DETECTOR (MODE : JTSMD 75)

## Introduction

The pharmaceutical industry needs highly accurate metal detection to meet the requirements of demanding consumers and stringent legislation. JTS metal detector provides class leading, online metal detection. The unit is manufactured from stainless steel through out to provide a hygienic easily cleaned inspection. A robust stainless steel reject flap is operated by a high speed electrical solenoid for clean, precise rejection of contaminated product with minimum waste. This metal detector chute can be quickly and easily dismantled for routine cleaning and product changeover. It is especially well suited for high processing speeds and quick product change. The JAYSHREE tablet metal detector is designed for simple adaptation and flexible, efficient operation on the line. The complete unit takes up minimum system length and can be located before or after the de duster.

## Salient Features

- High speed reject for positive reject of contaminants.
- Compact frame needs less installation space, easily cleaned, stainless steel finish for easy clean and hygienic design.
- High sensitivity to all metal including the most difficult non-magnetic stainless steel.
- Easily compatible with all tablet press.
- Built in led bar graph to monitor the amount of contamination.
- Performance is maintained stable throughout the life.

## Technical Specifications

- Aperture size 75 mm width and 25 mm height
- Detect metal contamination of 0.3 mm Ferrous
- Detect metal contamination of 0.5 mm SS & Non-Ferrous
- Electrical solenoid operated flap type reject mechanism
- All contact part from S.S. 316
- Non contact part from S.S. 304
- Adjustable height up to 1 Mtr.
- Mounted on castor wheel for easy mobility
- Power supply 115 V AC 60 Hz single phase





# TABLET & CAPSULE INSPECTION MACHINE

## Salient Features

- 360 Degree Inspection on of Tablet & Capsule.
- As per cGMP Standard.
- Foot Switch provided for stopping machine.
- No change parts required for various shapes and sizes of tablets / capsules.
- Food grade material used for plastic and rubber components
- The unit is mounted on Caster wheel.
- 0.25 H.P. Geared motor for Both Conveyor & Roller Drive with Regulator.
- Vibrator with Regulator.
- LED Lamp for visual Inspection.
- Inspect up to 1.5 Lac Tablet / Capsule per Hour\*.



## DIES & PUNCHES



- Made from quality tool steel like OHNS or HCHC.
- Most Modern manufacturing techniques ensure highest life of the Tooling
- We can provide tools for all kind of Tablet Press.
- We Design & Produce any Size of Tablet Tooling.



## DIE & PUNCHES STORAGE CABINET

### Outstanding Feature

- Vertical Holding of Punch.
- Separate space for Die.
- Label space in each Drawers.
- Drawer available 8,10,12,16,20 or as per your requirement.
- Suitable for both Tooling D, B & BB.
- Material of construction M.S. / S.S.
- Telescopic channel mounted drawers.
- Also available Tray type model.



## DIGITAL PORTABLE TABLET HARDNESS TESTER

### Standard Features

- Hardness Measurement By Load Cell Up To 500 Newtons
- Units Of Measurement In N, Kgf And Lbf
- PC Connectivity / Printer Connectivity Through RS232 Port
- Programmable Upper (T1) And Lower (T2) Tolerance Limits
- Peak Hold And Auto Release Function
- Green And Red Light Indication For Better Understanding
- Memory Of Upto 10 Testing Data
- Automated Semi-Calibration (Zero-Point Adjustment)
- Display Of 10 Test Value And Calculate The Average Of The Memorized Value.
- Automatic Power Off Function
- Acrylic Glass Safety Cover With Disposal Container
- Tester Operates On Rechargeable Battery

### Technical Specifications: Model JTSTMT-500

Capacity	: 500N / 50kgf
Resolution	: 0.1N
Accuracy	: $\pm 0.5\%$
Tablet Range	: 2 ~ 28 mm
Display	: LCD with Backlight
Interface	: RS-232
Standard Accessories	: DC Power Adaptor, Cleaning Brush, UserManual, Storage & CarryCase
Gross Weight	: 5 kg



*\* Depending upon the characteristic of material  
and shape & size of tablets.*



## Working Principle

The RMG working principle is based on 2 decisive factors essential for the mixing systems.

1. Spinning close to the bottom of the mixing bowl.
2. The impeller sets the entire mixture in a whirling-rising tumbling motion ensuring a quick and even distribution of all dry components which leads to an even distribution of all dry components which leads to an even wetting of every granule. The large lumps occurred during wet mixing are broken up, by the strategically located chopping tool rotating at 1440/2880 RPM. The mix can be discharged with the impeller running through the outlet located on the side of the mixing bowl flush to the bottom. Easy accessibility for cleaning is guaranteed by the low profile. The mixing tool is easily removed from the drive shaft providing an unobstructed mixing area which may be cleaned very easily.

## Mixing Bowl

1. Dome shaped processing bowl which directs loose particles into whirling motion with the help of impeller.
2. Impeller consists of 2 full and 2 half solid mixing blades.
3. Inclination of the mixing blades accelerates rising and tumbling motion of the product in the bowl.
4. Specially designed chopper blades driven at high speed gives fast and even granulation, throughout the whole mass in the product bowl.
5. For easy accessibility in cleaning the side discharge assembly is provided with hinges.



## Special Features

1. Unit is designed to meet requirements of GMP.
2. Contact Parts can be SS 304 / 316 quality.
3. Specially designed control panel with display system and microprocessor.
4. Bowl, lid mixing agitator, discharge housing and all other contact parts will be of stainless steel.
5. All M. S. parts of the machine are clad / covered with stainless steel.
6. Components of the machine are having easy accessibility for cleaning.
7. All electrical & pneumatic parts are pre-wired to simplify installation.
8. Limit switch is provided on main lid and discharge valve for safe operation.
9. Discharge can be provided on either side to suit clients requirement.



## Optional Features

1. Machine can be supplied with FLP electrical.
2. PLC can be provided for control panels, which can be integrated with computer for controlling / recording various process parameters.
3. Dust free feeding system.
4. Binder solution adding in built.

## Technical Specification

TYPE	"JTSRMG"								
Model	JTSRMG 10	JTSRMG 25	JTSRMG 50	JTSRMG 100	JTSRMG 150	JTSRMG 250	JTSRMG 400	JTSRMG 600	JTSRMG 1000
Gross Volume in litres	10	25	50	100	150	250	400	600	1000
Working Volume in litres	8	20	40	80	120	200	320	480	800
Main Motor in HP & RPM Dual speed	2/3 HP/3ph/ 750 / 1500	3/5 HP/3ph/ 750 / 1500	3/5 HP/3ph/ 750 / 1500	7.5/10 HP/3ph/ 750 / 1500	10/15 HP/3ph/ 750 / 1500	20/30 HP/3ph/ 750 / 1500	30/40 HP/3ph/ 750 / 1500	40/50 HP/3ph/ 750 / 1500	63/85 HP/3ph/ 750 / 1500
Mixing speed RPM	75 / 150	75 / 150	75 / 150	75 / 150	75 / 150	75 / 150	75 / 150	75 / 150	75 / 150
Chopper motor HP& RPM Dual speed	1/1.5 HP/3ph/ 1440 / 2880	1/2 HP/3ph/ 1440 / 2880	2/3 HP/3ph/ 1440 / 2880	2/3 HP/3ph/ 1440 / 2880	3/5 HP/3ph/ 1440 / 2880	3/5 HP/3ph/ 1440 / 2880	5/7.5 HP/3ph/ 1440 / 2880	5/7.5 HP/3ph/ 1440 / 2880	10/15 HP/3ph/ 1440 / 2880
Output speed RPM	1440 / 2880	1440 / 2880	1440 / 2880	1440 / 2880	1440 / 2880	1440 / 2880	1440 / 2880	1440 / 2880	1440 / 2880
Weight in Kgs.	200	900	1000	1400	1500	1800	2000	2500	3500
Overall dimensions									
Length	1450	1440	1700	2350	2400	2550	2880	3100	3300
Width	600	1000	750	1100	1430	2350	2450	2690	3150
Height	950	1310	1400	1750	2185	2050	2275	2510	3035
H-1	1060	1345	1600	1900	2280	2585	2960	3250	3765





## Salient Features

- Single Piece Modular Design.
- High Productivity & Superior Design.
- In Compliance with cGmp Guidelines.
- Uniform drying with reduced drying time.
- Low Noise Level.

## Optional Features

- Pneumatic Shaking System.
- PLC with HMI.
- Online sampling provision.



## Technical Specifications

TYPE	JTSFBD-LAB	JTSFBD-15	JTSFBD-30	JTSFBD-60
Container Volume (Ltr.)	8	46	71	142
Batch Size (Kg.) Min to Max.	2.5 to 3.5	10 to 12	25 to 30	50 to 60
Blower Motor (H.P.*)	1	2	5	10
Air Flow (C.F.M.)	270	429	706	1059
Air Flow (m <sup>3</sup> / hr)	460	730	1200	1800
Static Pressure (mm of water)	600	600	600	600
Steam Pressure (Kg/cm <sup>2</sup> )	3.5	3.5	3.5	3.5
Steam Consumption (Kg/hr)	26	36	50	72
Electrical Heater (Kw)	9	18	20	36
Compressed Air Pressure (bar)	6	6	6	6
Drying Temperature (°C)	45-80	45-80	45-80	45-80
Electrical Supply	3 Ø, AC	3 Ø, AC	3 Ø, AC	3 Ø, AC

TYPE	JTSFBD-120	JTSFBD-200	JTSFBD-300	JTSFBD-400	JTSFBD-500
Container Volume (Ltr.)	288	475	650	875	1110
Batch Size (Kg.) Min to Max.	100 to 120	80 to 200	200 to 300	300 to 400	400 to 500
Blower Motor (H.P.*)	15	25	30	50	50
Air Flow (C.F.M.)	1882	2588	3235	3824	4412
Air Flow (m <sup>3</sup> / hr)	3200	4400	5500	6500	7500
Static Pressure (mm of water)	800	800	800	900	900
Steam Pressure (Kg/cm <sup>2</sup> )	3.5	3.5	3.5	3.5	3.5
Steam Consumption (Kg/hr)	144	216	250	288	344
Electrical Heater (Kw)	**	**	**	**	**
Compressed Air Pressure (bar)	6	6	6	6	6
Drying Temperature (°C)	45-80	45-80	45-80	45-80	45-80
Electrical Supply	3 Ø, AC	3 Ø, AC	3 Ø, AC	3 Ø, AC	3 Ø, AC

- NOTE :**
- \*The Blower motor of higher capacity will require in machine, supplied with HEPA filter & ducting length above 5 meters.
  - Batch Size depends upon the product Density.
  - \*\*Electrical Heater provided up to 60 kg max without FLP machine.





# OCTAGONAL BLENDER

## Salient Features

- Suitable for dry mixing of products in granule form.
- Easy for Loading and Unloading of Material.
- Easy for Cleaning.
- All contact parts are made out of S.S. 304/S.S.316 Quality material, as per customer requirement.
- The octagonal shape & slow speed of rotating gives sufficient continuous movement to the granules, result in good quality.
- Simple design requires minimum maintenance.
- General structure & safety guards made out of mild steel & colored in standard Model and made out of S.S. 304 & Polished to the matt finish in GMP Model.
- Maximum Care has been taken to ensure safe operation of the unit.
- Manual rotating facility with hand wheel for inching.
- Bigger size batch at lower power consumption.



## Technical Specifications

TYPE	OCTAGONAL BLENDER (JTSOB)						
Cap in kgs	100	250	335	500	950	1200	
Cap in ltrs	300	750	1000	1500	2800	3400	
Gross volume	375	875	1150	1700	3500	4000	
Motor	1.5	3	5	5	7.5	10	
Gear box	2.5	3.5	4.0	5.0	6.0	7.0	
Discharge valve	150	200	250	250	300	300	
Overall dimensions L X W X H Approx.	2165 X 1535 X 2585	2300 X 1850 X 2800	2700 X 2100 X 3050	2850 X 2525 X 3120	2800 X 2900 X 3500	2900 X 3000 X 3700	

# V BLENDER

## Operation

The "V" BLENDER is an efficient and versatile blending machine for mixing and lubrication process of dry powders homogeneously. Approximate two third of the volume of the Blender is filled to ensure proper mixing. The "V" Blender gives best result for powders due to suitable medium speed and "V" shape of container. It can be used for Pharmaceutical, Food, Chemical and Cosmetic products etc...

In V Blender the powders comes from all sides due to the "V" shape of the product container, hence requirement of RPM is medium. Suitable mainly for powder & granules type material. This type of material gets sufficient continuous movement. Due to the "V" shape of container, have only medium movement and will results in good quality of blending / lubrication of granules.



## Salient Features

- Suitable for dry mixing of products in powder form.
- Easy for loading and unloading.
- Easy for cleaning.
- All contact parts are made out of SS304 / SS316 or SS316 L quality material, as per customer requirement.
- Simple design requires minimum maintenance.
- General structure & safety guards made out of mild steel & painted in Standard Model and made out of SS304 & polished to the matt finish in GMP Model.
- The "V" shape gives sufficient contineous movement to the granules, result in good quality.
- Maximum care has been taken to ensure safe operation of the unit.
- Manual rotating facility with hand wheel for inching.

## Optional - (will be provided on extra cost on your demand)

- Contact parts made out of SS316 of Ss316 L instead of SS304.
- Flame proof drive motor along with flame proof starter.
- Vacuum loading facility for material charging.
- VFD for variable speed of cone.
- Intensifier (agitator system)
- Ask for technical detail

(Available In 5 Kg. To 2000 Kg. Capacity)



Note : Also Available Double Cone Blender





## Salient Features

- Direction for beaters can be changed by reversible switch.
- All Contact parts can be easily band quickly dismantled and cleaned.
- Cylindrical screen for higher output.
- Castor Wheels provided for mobility.
- Beaters & Scraper blades of S.S. 304 / 316 Quality.
- Flame Proof electrical components can be provided at extra Cost.

## Technical Specifications

TYPE	MULTIMILL MACHINE
Output*	50Kg. to 200 Kgs. / hr. (Depending upon the product and reduction required in size)
Rotor Assly. Dia.	250 mm. (approx.).
Rotor Speed	750/1500/2300/3000 RPM.
Beaters	12 Nos. with knife & 2 Nos. impact edges Scraper blades.
Screen Dimension	Dia. (ID) 260 mm X (HT) 135 mm.
Motor	3 H.P. / 1440 RPM / 3 Ph.
Starter	DOL with Reversible Switch.
Material Charging Ht.	1445 mm. (approx.)
Overall Dimension	870 mm X 965 mm X 1630 mm (Ht).
Case Dimension	1000 mm X 1150 mm X 1860 mm (Ht).
Net Weight	275 Kgs. (approx.).
Gross Weight	425 Kgs. (approx.).

# JTSVS VIBRO SHIFTER (SIEVING, GRADING & STRAINING MACHINE)

## Salient Features

- Floor Vibration is nil which keeps the machine steady.
- All Contact part and screen made of S.S. 304 / 316 quality.
- Easy dismantling and cleaning facility for contact parts.
- Noiseless, Maintenance free & High Speed Model.
- Electric Power requirement less than other Machines. Of the kind in the industries & lower energy consumption compared to reciprocating vibratory system.
- Double & Triple deck screens with outlet and hopper for bottom deck available on request.

## Technical Specifications

TYPE	JTSVS20"	JTSVS30"
MOTOR	0.5 H.P. / 1440 RPM	0.5 H.P. / 1440 RPM
CHARGING HEIGHT**	750 mm.	1250 mm.
DISCHARGING HEIGHT**	550 mm.	880 mm.
SCREEN DIAMETER	510 mm.	750 mm.
CAPACITY / HOUR*	20 TO 100 Kgs.	30 TO 300 Kgs.

\*\* Depends on Customer Requirement.



# JTSCM COMMUNITING MILL



## Salient Features

- Designed to suit high speed milling needs with plain, water jacketed and flame proof options.
- Fully S.S. cladding on base & S.S. guards for all moving parts to meet GMP needs.
- Motor rails, screw and guide rods are chrome plated.
- Beater assembly bearings are housed in separate pillow blocks for ease in maintenance.
- Dynamically balanced fixed beater assembly as standard supply.
- Minimum downtime required to change direction.
- Fabricated to work long with very low heat, vibration & noise generation.
- Castors provided for mobility.

## Technical Specifications

TYPE	JTSCM
Rotor Speed	1000-2250-4500 RPM
Blades	Swinging type with knife and impact edge.
Screens	Round hole perforated stainless steel sheet.
Electric Motor	7.5 H.P., 1440 RPM, 3 Phase.
Overall Dimensions	690 (L) x 1270 (W) x 1700 (H) mm.
Net Weight (Approx.)	310 Kgs.
Output (Kg / Hr.)*	25 to 300 (Various according to product, rotor speed & screen)

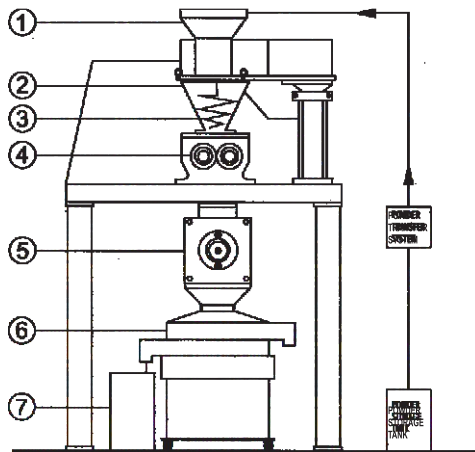
\* Output Depends Upon Materials Properties And Screen Size.



# ROLL COMPACTOR PLAIN & WATER JACKETED

Optional : Hydraulic System for Rear Roller

Also Available Online Roll Compactor :



1. Powder Charging Hopper
2. Powder Feeding Hopper
3. Powder Feed Screw
4. Compacting Roller
5. Granulator
6. Sifter
7. Storage Drum

## Technical Specifications

TYPE	JTSRC-200/50	JTSRC-200/75	JTSRC-200/100
Output *	5 to 60 Kgs / hr.	10 to 100 Kgs / hr.	50 to 250 Kgs / hr.
Roll Size	Ø 200mmX50 mm (W)	Ø 200mmX75mm (W)	Ø 200mmX100mm (W)
Roll Speed	6 to 25 RPM (Step Pulley drive)	6 to 25 RPM (Step Pulley drive)	6 to 25 RPM (Step Pulley drive)
Feed Strew Speed	5 to 60 RPM (Through A.C. Drive)	5 to 60 RPM (Through A.C. Drive)	5 to 60 RPM (Through A.C. Drive)
Roll Drive Motor	5 HP, 960 RPM, 3 Ph	5 HP, 960 RPM, 3 Ph	7.5 HP, 960 RPM, 3 Ph
Feed Screw Drive Motor	3 HP, 1440 RPM, 3 Ph	3 HP, 1440 RPM, 3 Ph	3 HP, 1440 RPM, 3 Ph

(Also Available 200 / 150, 200 / 200 & 300 / 300 Model)

# LAB ROLL COMPACTOR PLAIN & WATER JACKETED

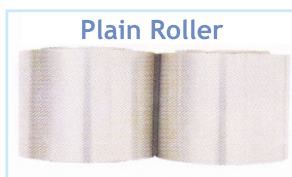
Optional : Hydraulic System for Rear Roller

## Applications :

- To increase the bulk density
- To achieve better granulation & sieve analysis
- To reduce process cost and improve the end product quality
- Free flowing granules.
- Dust free granules to facilitates handling
- Compact granules to reduce pack size
- Granules to fill in smaller capsule
- Granules for Tableting process

## Technical Specifications

TYPE	JTSRC - 200/25
Working Capacity*	Up to 5 kg/Hour
Roll Speed	1 - 30 RPM
Screw Speed	1 - 100 RPM
Roller Motor	3 HP / 3 Phase
Feeder Motor	2 HP / 3 Phase



Plain Roller



Straight Knurling



Diamond Knurling



\* Output Depends Upon Materials Characteristics & Available Room Atmosphere only.





# VACUUM CONVEYING SYSTEM FOR LOADING TABLET PRESSES



## Tablet Press Loading System

JTS vacuum tablet press loaders are available in complete, ready-to-operate systems, for mounting on single or dual hopper tablet presses. Constructed from 316 Stainless Steel and USDA accepted.

### Salient Features

- Compact design receiver package with rates of 200-250 Kg. per hour.
- Eliminate manual scooping of product and messy dumping or mishandling. Draw material directly from drums, boxes, storage containers, process vessels.
- Dust-tight connection of receiver to press hopper provides maximum cleanliness and product integrity.
- Easy to clean. Four quick-acting heavy duty clamps facilitate disassembly for cleaning and service. No tools required!
- Automatic pulse jet filter cleaning ensures peak operating performance.
- Level sensor automatically starts conveying cycle when material level reaches low level in the tablet press hopper.
- Minimum maintenance - few moving parts.
- Complete package includes: receiver, power unit, vacuum, hose, conveying wand, and control panel.
- Mounting lugs for easy installation.
- Pi at source remotely, located. No lifting heavy cover with venturi power unit attached!

### Technical Specifications

MODEL	JTSVTS
Capacity*	200-250 Kg./Hr.
Vacum Source	Vacum Pump / Air-powered venturi / Electric blower
Filter media	Unique Uni-filter
Discharge Valve	Full opening dump valve
Inlet Size	1 1/2" inch
Receiver Capacity	0.25 cu /ft
Electrical Voltage	110/220 Volts, 50/60Hz., 1-phase
Material of construction	316 stainless steel
Level Control	Automatic level sensor
Filter Cleaning	Automatic pulse-jet
Compressed air requirements	1/2" air line, 35 CFMQ60 PSIG
System Control	PLC



## ONLINE VIBRO SHIFTER COMPACT SIEVE



Vibro sifters, also known as safety screeners, vibrating shifters, vibro sieves, check screeners or control sieves, are used to ensure the correct product quality of powders or liquids is achieved by removing oversize contamination. SM Compact Sieve ranges of sifters are incredibly versatile and can be used for size based separation of almost any material. These vibrating sifters fit neatly into production lines, providing considerable screening capacity without requiring excessive headroom. Its innovative design means these machines are less than half the height of a traditional circular vibro sifter machine. Operating and cleaning is quick and easy, making this range of sifting machines perfect for all processing industries. A wide range of sizes and options means the machine can be tailored to suit your exact needs.

### Technical Specifications

MODEL	JTSVS22"
Motor	1 H.P. / 1440 RPM.
Charging Height	1330 mm.
Discharging Height	800 mm.
Screen Diameter	610 mm.
Capacity / Hour*	20 TO 300 Kgs.

\* Output Depends Upon Materials Properties And Screen Size.