

JCMCO

Since 1960

JENN-CHIANG MACHINERY CO., LTD.

HEALTHSTAR[®]

SH Series

High-Speed Single-Sided Rotary Tableting Machine

MODEL: **JC-SH-31D** **JC-SH-39DB**
JC-SH-39B **JC-SH-47BB**



- Accurate tableting
- Compression in two stages
- Tableting compartment separated from drive mechanism
- Easy maintenance & cleaning
- Meets cGMP

SH SERIES

High-Speed Single-Sided Rotary Tableting Machine

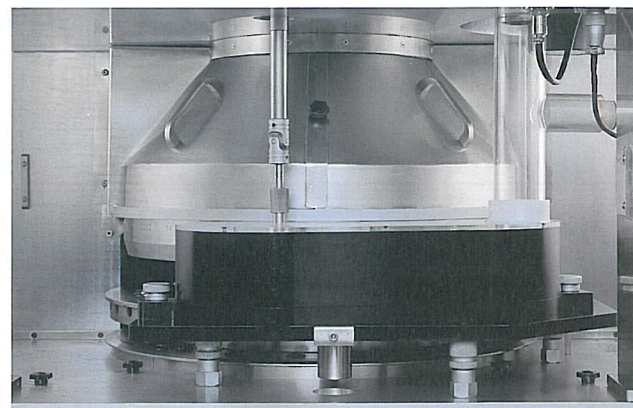
Models: JC-SH-31D/JC-SH-39DB/JC-SH-39B/JC-SH-47BB

HAVE PROVEN TO BE RELIABLE FOR:

Efficient large size production runs, with capacity upto 169,000 tablet per hour.



- Operator control panel is designed with controls and indicating devices to minimize operator attention.



UPPER & LOWER PUNCH SEALS

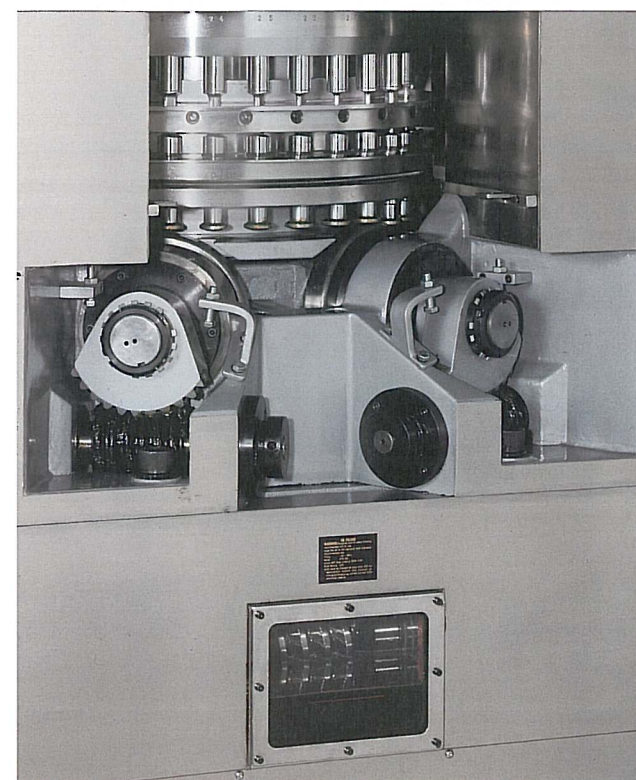
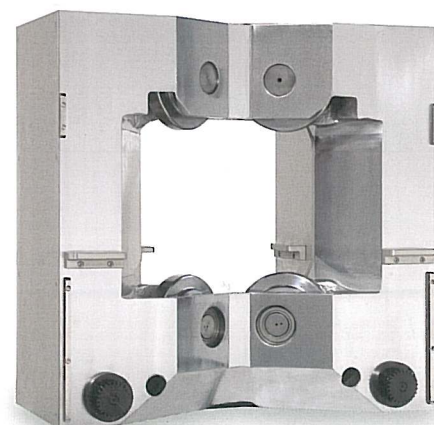
The scrapers seals for upper punches protect tablets from oil dripping, while dust seals on the lowers prevent punches from binding and reduce wearing on the cam. This features combined with an efficient dust extraction system allows prolonged run with minimum downtime for cleaning.

MECHANICAL FEEDER AND PRE-FEEDER POWDER LEVEL CONTROL

Advanced feeding design with variable speed motor for optimum weight control suitable for broad range of density & flow characteristics. Sensor monitoring device keeps proper powder height in feeding tube which provides same pressure in feeding chamber. Quarter turn screw sets allow easily dismantle and clean.

PRE-COMPRESSION AND MAIN COMPRESSION

For successful high speed tablet production of difficult and direct compression material, the large diameter of pre-compression roll (Max. 10Ton) increases punch dwell time and allows difficult formulations to be processed at high speed without loss of tablet quality.



MACHINE DRIVE COMPLETELY SEPARATED FROM PRODUCTION AREA

Direct rotation of turret by main shaft reduces the noise level. The gearbox, with a casehardened nickel steel worm shaft and bronze wormwheel (dia. 390mm), it provides maximum protection to gears and drive system.



CLEANING AND TOOL CHANGEOVER

The detachable panels can be removed easily, to expose entire lower punch cams, and simplify the removal of lower punches & dies.

SAFETY DEVICE

Upper punch monitoring device is available that would switch off machine in the event of punch tightness.

● SPECIFICATIONS:

MODEL	JC-SH-31D	JC-SH-39DB	JC-SH-39B	JC-SH-47BB
Type of tooling	IPT "D" EU "D"	IPT "D" EU "D"	IPT"B" EU "B"	IPT"BB" EU "BB"
Number of stations	31	39	39	47
Maximum tablet diameter	25.4mm (1")	19mm (caplet) (3/4")	16mm (5/8")	13mm (33/64")
Production capacity (tablets / hour) *	111,600	140,000	140,000	169,000
Revolution of turret / Min (60 cyc)	60 RPM			
Depth of fill adjustable to	19mm (3/4")		17mm (43/64")	
Maximum operating pressure	10,000kgs (22,000 lb)		6,000kgs (13,200 lb)	
Maximum pre-pressure	10,000kgs (22,000 lb)		6,000kgs (13,200 lb)	
Diameter of die	38.1mm (1.5")	30.16mm (1.1875")		24mm (0.945")
Height of die	23.81mm (0.9375")		22.22mm (0.875")	
Nominal diameter of punch body	25.4mm (1")		19mm (3/4")	
Overall Length of upper Punch	IPT 133.35mm (5.25") or EU 133.6mm			
Overall Length of lower Punch	IPT 133.35mm (5.25") or EU 133.6mm			
Turret P.C.D.	490mm			
Power consumption	Clutch System 5HP (3.7kw)		Frequency Motor with Inverter Control 7.5HP (5.5kw)	
Machine dimensions	900 x 1,100 x 1,750mm (H) (not including hopper)			
Net weight	2,600 kgs (5,720 lbs)			

* Subject to the characteristics of powder.

* The manufacturer reserves right to modify design, specification, etc., to improve performance of machine without notice.

● STAND FEATURES:

1. Keyed upper turret
2. Micro control counter
3. Turret R.P.M. speed indicator
4. Message runner
5. Dust extraction connection
6. Hard chrome plated die table
7. Contact parts SUS316 material
8. Paint-Free tableting zone
9. Stainless steel exterior cladding

● OPTIONAL FEATURES:

1. Special design with 33 station for D-Tooled,
43 station for B-Tooled and 51 station for BB-Tooled
2. Keyed lower turret
3. Shallow filling cam
4. Feeding hopper with vibration control
5. Mechanical (forced) feeder and pre-feeder powder level control
6. PLC touch screen monitoring control
7. Compression force peak detector with panel meter
8. Automatic weight control system
9. Tablet deduster, Model: TP-500 or TP-900
10. Dust control unit



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