



**"DSH" Series High-Speed  
Double-Sided Rotary Tablet Machines,  
can be proven to be reliable for:**

- For large batch production;
- Allow for single layer tableting with double-sided output;
- Accurate tableting;
- Tableting compartment separated from drive mechanism;
- Mechanical comprssion system;
- Easy maintenance & cleaning;
- Meets cGMP;

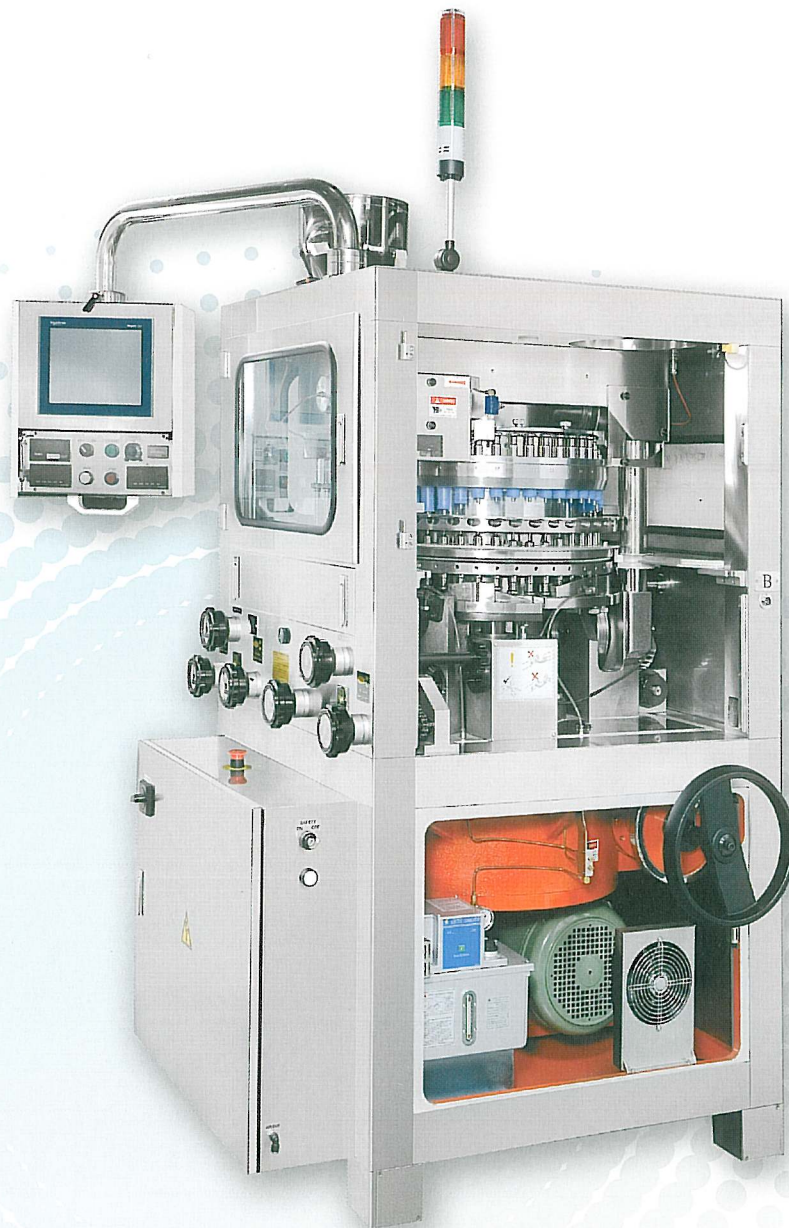


**JENN-CHIANG MACHINERY CO., LTD.**



# DSHseries

MODELS: JC-DSH-33D JC-DSH-39DB JC-DSH-43B JC-DSH-51BB



## Cam design & lubrication

A central lubrication system supplies oil continuously to lower punches & upper punches.

The ejection cam is manufactured from special material for extended life, while a double sided filling cam is provided.

## Safety device

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

## Cleaning and tool changeover

The detachable panels can be removed easily, which reveal the entire lower punch cams. This allows easy removal of the lower punches.

## Machine drive is completely separated from the press space

Direct rotation of the turret by the main shaft reduces the noise level.

The gearbox, with a casehardened nickel steel ground worm shaft and bronze wormwheel, it provides maximum protection to the gears and the drive system.

## 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 increase punch dwell time and allows for difficult formulations to be processed at high speed without loss of tablet quality.



## Mechanical compression system

The design of mechanical compression system can be ensured for longer production runs. Pressure rollers are made of special tool steel that ensures uniform pressure application, the double bearings are fitted, which minimize wearing of the rollers.

## Upper & Lower punch seals

The scrapers seals for the upper punches protect tablets from oil drip, while the dust seals on the lowers prevent the punches from binding and reduce wear on the cam.

This combined with an efficient dust extraction system allows prolonged run with little downtime for cleaning.





## **SPECIFICATIONS:**

MODEL	JC-DSH-33D	JC-DSH-39DB	JC-DSH-43B	JC-DSH-51BB
Type of tooling	IPT "D" EU "D"	IPT "D" EU "D"	IPT"B" EU "B"	IPT"BB" EU "BB"
Number of stations	33	39	43	51
Maximum tablet diameter	25.4mm (1")	19mm (caplet) (3/4")	16mm (5/8")	13mm (33/64")
Production capacity (tablets / hour) *	198,000	234,000	258,000	306,000
Revolution of turret / Min (60 HZ)	50 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	3,000kgs (6,600 lb)		3,000kgs (6,600 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 dimension	900x1,100x1,750mm (H) (not including hopper)			
Net weight	2,600 kgs (5,720 lbs)			

\* Subject to the characteristics of the powder.

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

## **STANDARD 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. Keyed lower turret
2. Shallow filling cam
3. Feeding hopper with vibration control
4. Mechanical (forced) feeder and pre-feeder powder level control
5. PLC touch screen monitoring control
6. Compression force peak detector with panel meter
7. Tablet deduster, Model: TP-500 or TP-960
8. Dust control unit
9. Double layer tablet production



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