



Since 1960

JENN-CHIANG MACHINERY CO., LTD.

**HEALTHSTAR**  
★ ★  
®

**SSH Series**

**High-Speed Single-Sided Rotary Tableting Machine**

**MODEL: JC-SSH-23D JC-SSH-29DB  
JC-SSH-29B JC-SSH-35BB**

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





### HAVE PROVEN TO BE RELIABLE FOR:

Efficient middle size production runs, with capacity upto 126,000 tablet per hour.



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

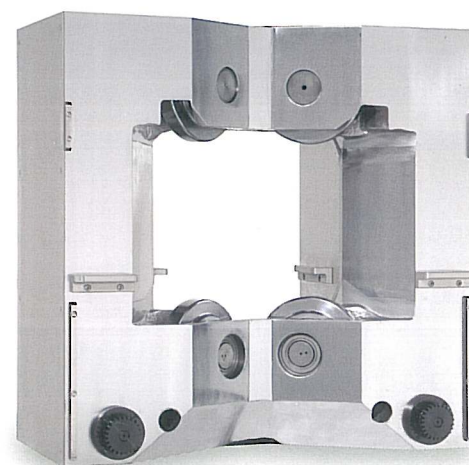
### CLEANING AND TOOL CHANGEOVER

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

### MACHINE DRIVE COMPLETELY SEPARATED FROM PRODUCTION AREA

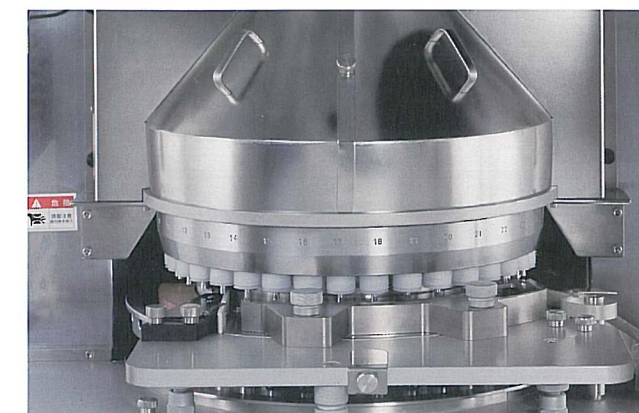
Direct rotation of turret by main shaft reduces the noise level.

The gearbox, with a casehardened nickel steel worm shaft and bronze wormwheel (dia. 390mm), it provides maximum protection to gears and drive system.



### 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.

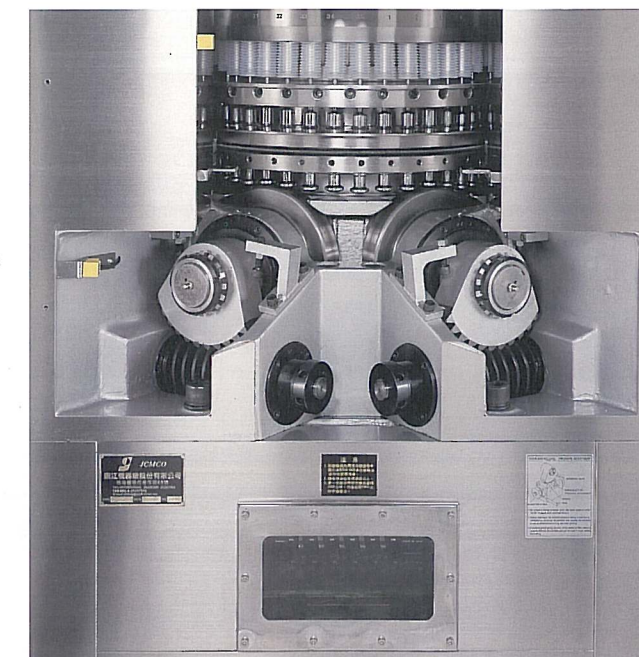
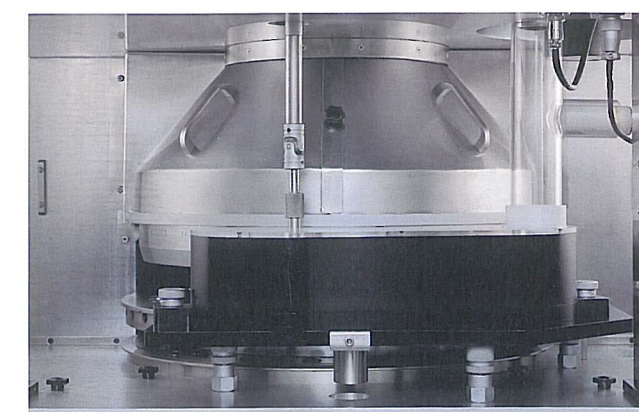


### MECHANICAL FEEDER AND PRE-FEEDER POWDER LEVEL CONTROL

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.



### 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.

### SAFETY DEVICE

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



## ● SPECIFICATIONS:

| MODEL                                   | JC-SSH-23D                                     | JC-SSH-29DB             | JC-SSH-29B           | JC-SSH-35BB        |
|---|--|-------------------------|----------------------|--------------------|
| Type of tooling                         | IPT "D"<br>EU "D"                              | IPT "D"<br>EU "D"       | IPT"B"<br>EU "B"     | IPT"BB"<br>EU "BB" |
| Number of stations                      | 23   | 29                      | 29                   | 35                 |
| Maximum tablet diameter                 | 25.4mm<br>(1")                                 | 19mm (caplet)<br>(3/4") | 16mm<br>(5/8")       | 13mm<br>(33/64")   |
| Production capacity ( tablets / hour) * | 82,800   | 105,000                 |                      | 126,000            |
| 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.                           | 365mm  |                         |                      |                    |
| Power consumption                       | 5HP (3.7kw)                                    |                         |                      |                    |
| Machine dimensions                      | 750 x 950 x 1,600mm (H) (not including hopper) |                         |                      |                    |
| Net weight                              | 1,800 kgs (3,960 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 25 station for D-Tooled,  
32 station for B-Tooled and 39 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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