

HEALTHSTAR[®]

JCMCO

“ DH ” Series Double-Layer Rotary Tablet Machines, can be proven to be reliable for:

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



JENN-CHIANG MACHINERY CO., LTD.

JCMCO *Double-Layer Rota*

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 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.

Cam design

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

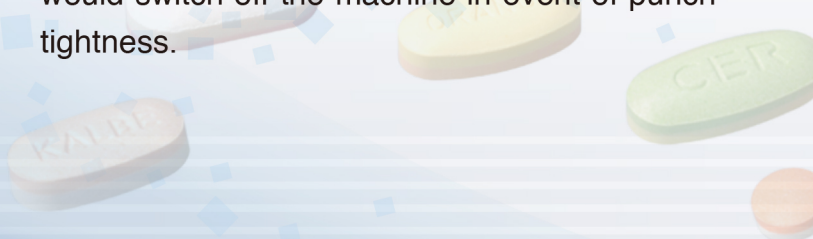


Cleaning and tool changeover

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

Safety device

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



Tablet Machines

DH Series

CE ISO 9001-2008



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 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.

Difficult products

Although not equipped with pre-compression as standard, the “DH” series machine can be provided with special parts to allow one side of the press to be used as a pre-compression features.

Multi-Layer Tableting Purpose

The machine is designed for double-layer tableting purpose with single-sided output, it can also be easily converted for single layer tablet production, but with double-sided output. Both layers can be easily weight controlled respectively.



lubrication

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

● SPECIFICATIONS:

MODEL	JC-DH-25D	JC-DH-29DB	JC-DH-32B	JC-DH-39BB
Type of tooling	EU "D"	EU "DB"	EU "B"	EU "BB"
Number of station	25	29	32	39
Tablet diameter	25.4mm	19mm(caplet)	16mm	13mm
Max	1"	(0.74")	(0.625")	(0.50")
Production capacity tablets / hour(60HZ) Single layer *	150,000	170,000	190,000	230,000
Production capacity tablets / hour(60HZ) Double layers *	52,500	60,000	67,000	82,000
Revolutions of Turret / Min (60HZ)	50RPM			
Depth of filling adjustable to	19mm (0.75")		17mm (0.67")	
Maximum operating pressure	10,000kgs (22,000lb)			
Diameter of die	38.1mm (1.5")	30.16mm (1.1875")		24mm (0.945")
Die of height	23.81mm (0.9375")		22.22mm (0.875")	
Nominal diameter of punch body	25.4mm (1")		19mm (0.75")	
Turret P.C.D.	365mm			
Power consumption	Clutch System 3HP(2.2kw)		Frequency Motor with Inverter Control 5HP(3.75kw)	
Machine dimension	1000mm x 1100mm x 1650mm (not including hopper)			
Net weight	1,800kgs(3,960lbs)			

* 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. All the specification shown are just for reference.

● 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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