



High-Speed Rotary Tableting Machine "H" Series Presses Offer:

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



JENN-CHIANG MACHINERY CO., LTD.

H series

CE ISO 9001-2008

Our "H" series Rotary Tablet Presses, Models JC-RT-16H / JC-RT-20H / JC-RT-24H have proven to be reliable for:

- Efficient small size production runs, with capacity upto 100,000 tablets per hour;
- Laboratory and pilot plant studies.

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 worm shaft and bronze wormwheel, it provides maximum protection to the gears and the drive system.

CLEANING AND TOOL CHANGEOVER

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

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

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.



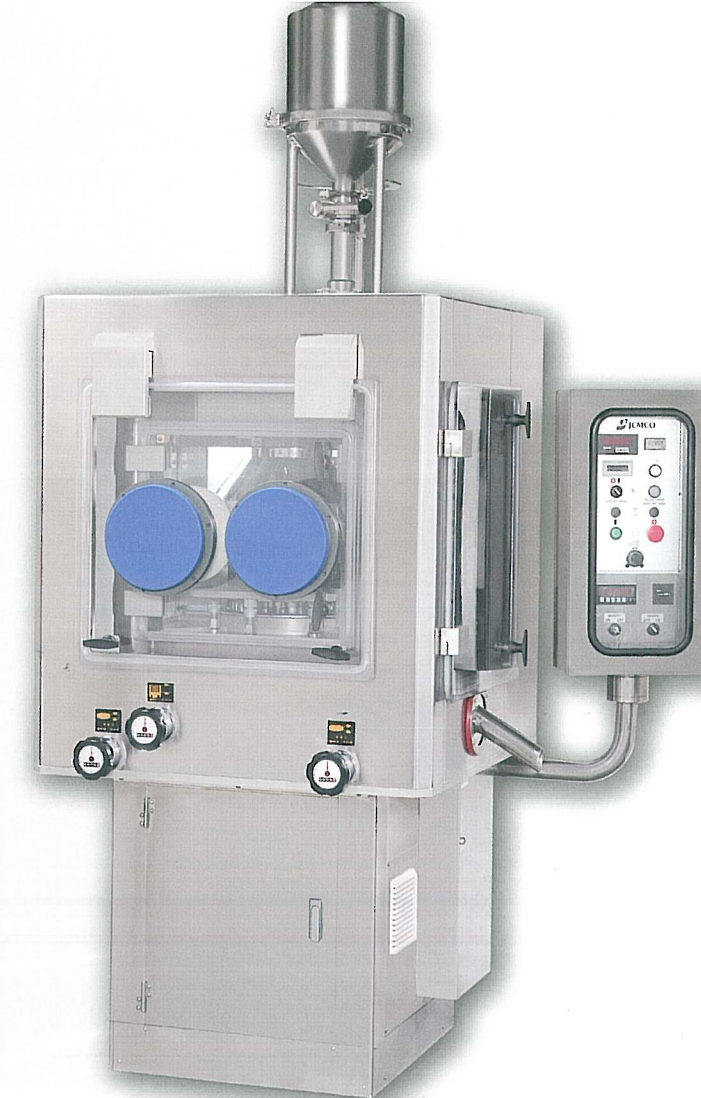
CAM DESIGN & LUBRICATION

A central lubrication system provides oil continuously to lower punches and upper punches. The ejection cam is manufactured from special material for extended life, while a double sided lifting cam is provided.



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.



▲ High Containment in Tablet Production



PRE-COMPRESSSION AND MAIN COMPRESSION (Mechanical Compression System)

High pre-compression of 3,000kgs insures trouble-free processing of difficult granules. It helps in the direct compaction of materials, reducing lamination and capping. Pressure rollers are made of special tool steel that ensures uniform pressure application. The double bearings are fitted, which minimize wearing of the rollers.

OVERLOAD RELEASE

Should the tableting pressure exceed pre-set limits, this device will automatically decrease applied force to protect the tooling and pressure rollers.

● SPECIFICATIONS:

MODEL	JC-RT-16H	JC-RT-20H		JC-RT-24H
Type of tooling	IPT "D" EU "D"	IPT "D" EU "D"	IPT "B" EU "B"	IPT "BB" EU "BB"
Number of stations	16	20	20	24
Maximum tablet diameter	25.4mm(1")	19mm(caplet)(3/4")	16mm(5/8")	13mm(33/64")
Production capacity (tablets / hour)*	69,000	86,000		103,000
Revolutions of turret / Min (60 HZ)	72RPM			
Depth of fill adjustable to	19mm(3/4")		17mm(43/64")	
Maximum operating pressure	10,000kgs(22,000lbs)		6,000kgs(13,200lbs)	
Maximum pre-pressure	3,000kgs(6,600lbs)		3,000kgs(6,600lbs)	
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.	253mm			
Power consumption	Clutch System 3HP(2.2kw)		Frequency Motor with Inverter Control 5HP(3.75kw)	
Machine dimension	850mmx790mmx1,710mm(not including hopper)			
Net weight	1,200kgs(2,646lbs)			

* Subject to the characteristics of powder.

* The manufacturer reserves right to modify design, specification, etc., to improve performance of 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 6mm, 12mm
- 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.Automatic weight control system
- 8.Tablet deduster, Model: TP-500 or TP-960
- 9.Dust control unit
- 10.R&D type: 8 station "D" / 8 station "B"



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