

## High Speed Rotary Tableting Machine DH Series



### Feature

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

- Bi-layer design for up to 58,000 tpm
- Single layer capable to 200,000 tpm
- Compression force to 10 tons
- 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 GMP;

Machine drive is completely separate 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 and bronze worm wheel, 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 & lubrication

A central lubrication system supplies oil continuously to lower punches, while grease applied manually lubricates upper punches. The ejection cam is manufactured from a special tool steel for extended life, while a double sided lifting 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.

## 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.

## 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.

## 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.

## **Specifications**

MODEL	JC-RT-16H	JC-DH-29DB	JC-DH-29B	JC-RT-24H
Type of tooling	EU"D"	EU"DB"	EU"B"	EU"BB"
Number of station	23	29	29	35
Tablet diameter	25.4mm	19mm	16mm	13mm
Max	(1")	(caplet) (0.74")	(0.625")	(0.50")
Production capacity tablets/hours (60HZ)*	33,000-132,000	42,000-167,000		50,000-200,000
Single layer				
Production capacity tablets/hours (60HZ)*	16,500-42,000	21,000-52,000		25,000-58,800
Double layers				
Revolutions of Turret / Min (60Hz)	12-48 RPM			
Depth of filling adjustable to	19mm (0.75")		117mm (0.67")	
Max pressure	10,000 kgs(22,000lb)			
Diameter of die	38.1(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	25.4 mm (1")		19 mm(0.75")	
Turret P.C.D.	365mm			
Power consumption	3HP (2.2kw)			
Machine dimensions	1,000 x 1,100 x 1,650 (not including hoppe)			
Net weight	1,800kgs (3,960lbs)			