

Double-Layer Rotary Tablet Machines "DH" Series



- 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 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 and bronze worm wheel, it provides maximum protection to the gears and the drive system.

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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 center lubrication system supplies oil continuously to lower punches, while grease applied manually lubricates upper punches. The ejection cam is manufactured from 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. 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 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 ² DH²¹ series machine can be provided with special parts to allow one side of the press to be used as pre-compression features.

Specifications:

MODEL	JC-DH-230	JC-DH-29DB	JC-DH-29B	JC-DH-35BB
	Type of tooling	EU"D"	EU"DB"	EU"B"
Number of station	23	29	29	35
Table diameter Max	25.4mm	19mm(caplet)	16mm	13mm
	1"	(0.74")	(0.625")	(0.50")
Production capacity	33,000-132,000	42,000-167,000		50,000-200,000
tablets/hours (60HZ)* Single layer				
Production capacity	16,500-42,000	21,000-52,000		25,000-58,800
tablets/hours (60HZ)* Double layers				
Revolution of turret / Min (60 Hz)*	12-48 RPM			
Depth of fill adjustable to	19mm (0.75")		17mm (0.67")	
Max pressure	10,000kgs (22,000lb)			
Diameter of die	38.1mm (1.5")	30.16mm (1.1875")		24mm(0.945")
Height of die	23.81mm (0.9375")		22.22mm (0.945")	
Nominal diameter of punch body	25.4 mm (1")		19 mm(0.75")	
Turret P.C.D	365 mm			
Power consumption	3HP (2.2kw)			
Machine dimensions	1000x1100x1650mm (not including hopper)			
Net weight	1800 kgs (3960 lbs)			

