

Double-Sided Rotary Tablet Machines "DSH" Series



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

Cam design & lubrication

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

Safety device

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

Cleaning and tool changeover

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

Machine drive is completely separated from the press space

Direct rotation of the true 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 feeder

The two chambers feeding system is driven from top by a variable speed motor. The unit can be easily assembled or disassembled for cleaning.

Pre-compression and main compression

For successful high speed table production of difficult and direct compression material, the large diameter of pre-compression roll increase punch dwell time and allows for difficult formulations to be processed at high speed without loss of tablet quality.

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.

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.

Specifications:

MODEL	JC-DSH-230	JC-DSH-29DB	JC-DSH-29B	JC-DSH-35BB
Type of tooling	IPT"D"	IPT"D"	IPT"D"	IPT"BB"
	EU"D"	EU"D"	EU"B"	EU"BB"
Number of station	31	39	39	47
Maximum Table diameter	25.4mm	19mm(caplet)	16mm	13mm
	1"	(3/4")	(5/8")	(33/64")
Production capacity	52000-200000	65000-260000		78000-312000
(ablets/hours) *				
Revolution of turret / Min	14-56 RPM			
(60 cyc)*				
Depth of fill adjustable to	19mm (3/4")		17mm (43/64")	
Maximum operating pressure	10,000kgs (22,000lb)		6,000kgs (13,200lb)	
Maximum pre-pressure	3,000kgs (6,600lb)		3,000kgs (6,600lb)	
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(3/4")	
Overall Length of upper Punch	IPT 133.35 mm (5.25") or EU 133.6 mm			
Overall Length of lower Punch	IPT 133.35 mm (5.25") or EU 133.6 mm			
Turret P.C.D	490 mm			
Power consumption	5HP (3.7kw)			
Machine dimensions	900x1100x1750mm(H) (not including hopper)			
Net weight	2600 kgs (5720 lbs)			