

HSTP® High Speed Tablet Press



The HSTP® series of high speed rotary tablet presses is a major innovation in tablet pressing technology, achieving very high levels of productivity and speed and offering exceptional refinements in terms of safety, efficiency, and quality of output. An LCD touch screen display panel makes these advanced pill presses very easy to use, while a host of features such as the automatic lubrication system make them simple to maintain. The operator can choose between manual or automatic modes for many functions, allowing for easy use when applying standard settings or fine control to suit advanced users.

Depending on the model chosen the HSTP® tablet presses can produce tablets of up to 25 mm in diameter and up to 6 mm thick. They are very powerful machines, using a 220/380 V 3-phase power supply to run a multi-kilowatt electric motor which enables them to generate a maximum of 100 kN pressure, plus 20 kN of pre-pressing pressure. With between 26 and 40 cutting heads and a maximum production rate of between 170,000 and 260,000 tablets an hour, the HSTP® range of tablet presses are aimed squarely at large scale manufacturers in the pharmaceutical, chemical, and related industries.

Main Benefits of the HSTP® Range

- High speed tablet production with between 26 and 40 cutting heads producing up to 260,000 pieces/hour
- Advanced yet highly intuitive LCD display touch screen control panel for easy programming, adjustment and control
- Pre-pressing function with up to 20 kN pressure and a maximum main pressure of up to 100 kN (depending on model) ensures fast, high quality output for pharmaceutical grade tablets of the highest commercial standard
- Over-pressure cut-out mechanism to avoid damage to punches
- Automatic lubrication system for efficient maintenance and enhanced reliability
- Sealed compression chamber with integral powder suction device reduces risk of contamination, reduces raw material wastage, and avoids blockages
- Force feeder ensures accurate dosing and better raw material efficiency
- Safety cut out mechanism and warning messages triggered if error conditions occur, including loose guide rails, loose punches, or low oil

Specifications

Product	HSTP 26®	HSTP 32®	HSTP 40®
Number of dies	26	32	40
Tooling specification	Euro D	Euro B	Euro BB
Max pressure (kN)	100	80	80
Max pre-pressure (kN)		20	
Max diameter of tablet - round (mm)	25	16	13
Max diameter of tablet - shaped (mm)	25	18	16
Max fill depth (mm)		20	
Max thickness of tablet (mm)		6	
Tablets produced per hour	135,000	201,000	252,000
Power USA	220 V; 3 phase; 7.5 kW; 60 Hz		
Power UK	380 V; 3 phase; 7.5 kW; 50 Hz		
Dimensions (mm / in)	1000 mm x 720 mm x 1868 mm 39 in x 28.3 in x 73.5 in		
Weight (kg / lbs)	1750 kg / 3,858 lbs		