

SMART PROCESS SOLUTION
PTCM-D4



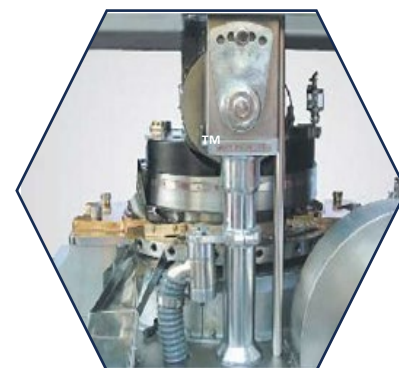
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PTCM-D4 :

- ❖ PTCMD4 Single Sided Rotary Tablet Press Machine is used for production of simple and precise tablets from powder in pharmaceuticals and relevant Industries.
Prism PTCMD4 is a single sided rotary tablet press GMP model and suitable for medium size batch production. The tablet press is designed in an effort to exceed the highest cGMP requirement with use of advance technology and to ensure the most economical and efficient tablet production. PTCMD4 tablet press features a unique ergonomic design. It is easy to operate, clean and maintain. PTCM-D4 tablet press is offered in three different model Viz. tooling "D", "B" & "BB" tooling.

Salient Features :

- ❖ Design is cGMP with contact parts AISI 316 & non contact part AISI 304.
- ❖ Machine ergonomic design construction with separate compression zone, drive zone and electric controls zone and easy to operate, change over, clean & maintenance.
- ❖ Single sided rotary tablet press is suitable for medium batch size.
- ❖ Available in three different model Viz. standard tooling "D", "B" & "BB" tooling.
- ❖ Machine structure is rigid with square body & having middle support base plate.
- ❖ Turret drive with worm gear, electromagnetic clutch & variable speed by VFD.
- ❖ Tablet parameter are to be adjusts from outside of the machine.
- ❖ Lower guard of S.S.304 & upper guard of acrylic surrounding with limit switch.
- ❖ Rigid gravity feed frame and stand with fine flow setting of powder.
- ❖ Upper punch penetration system with eccentric upper roller pin.
- ❖ Powder scrapper seal for lower punch on turret.
- ❖ Two sided upper lifting cam.
- ❖ Dust suction for nozzle at compression point.
- ❖ Upper acrylic guard with interlock for safety.
- ❖ Paint free tablet compression area.
- ❖ Easy to cleaning and changeover.
- ❖ Central oil lubrication system with manual hand pump.

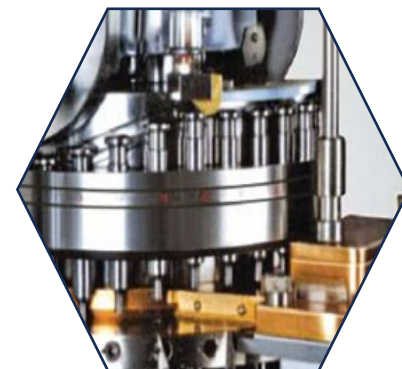


Optional Features :

- ❖ 3 Pc. turret with S.S 316 die pot
- ❖ Rotary force feeder system with VFD.
- ❖ PLC controls with touch screen.
- ❖ Auto lubrication.

Safety Features :

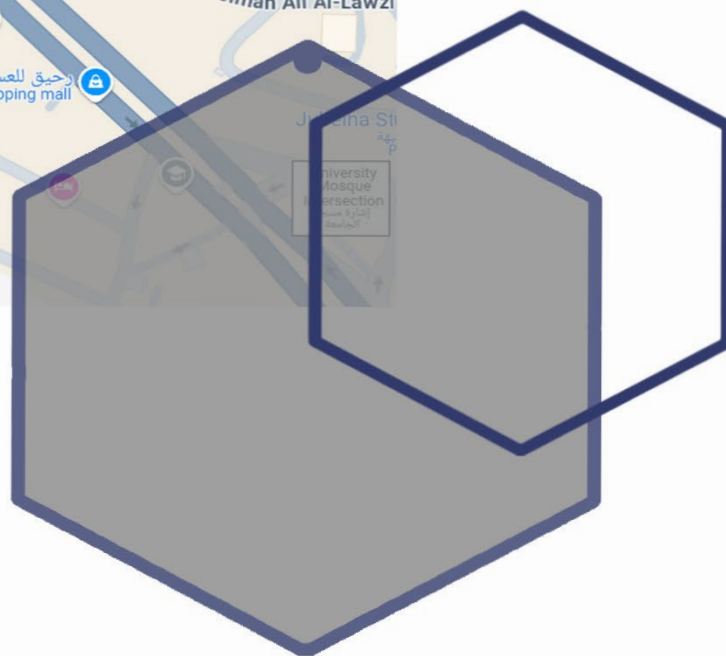
- ❖ Interlocked upper guard.
- ❖ Overload pressure release mechanism.
- ❖ PLC Emergency stop button.



Technical Specifications :

Model	PTCMD4-16	PTCMD4-20	PTCMD4-25	PTCMD4-27
No. of Stations	16	20	25	27
Type of Tooling	D	D	B	BB
Output Tablets/Hour	9600 to 57,600	12,000 to 72,000	15,000 to 90,000	6,200 to 97,200
Max. Tablet Size	24mm	24mm	16 mm	11 mm
Max. Depth of Fill	20 mm	20 mm	17.4 mm	17.4 mm
Max. Operating pressure	10 Tons	10 Tons	6.5 Tons	6.5 Tons
Upper Punch Penetration	3to 6 mm	3to6 mm	3to6 mm	3to 6 mm
Main Electric Motor	2 HP/1.5 Kw	2 HP/1.5 Kw	2 HP/1.5 Kw	2 HP/1.5 Kw
Force Feeder Motor Option	0.25 HP/0.1 Kw	0.25 HP/0.1 Kw	0.25 HP/0.1 Kw	0.25 HP/0.1 Kw
Machine Dimension	90 x 102 x 182 H	90 x 102 x 182 H	90 x 102 x 182 H	90 x 102 x 182 H
Machine Weight in Kg.	1150	1150	1150	1150





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