

SMART PROCESS SOLUTION  
**TabXpress-IV**



**FUTURE BEACON**  
<https://future-beacon.co>

## TabXpress-IV :

Prism TabXpress-IV is a High Speed Double Sided Rotary Tablet compression press with pre compression station suitable for millennium batch size production.

TabXpress-IV designed in an effort to exceed the highest cGMP requirement and to ensure the most economical and efficient tablet production. The TabXpress -IV features a unique ergonomic design for easy to operate, easy to fast changeover, easy to clean with minimum down time. The TabXpress is completely separated into three zones i.e. tablet compression zone, machine service zone and electrical controls zone.

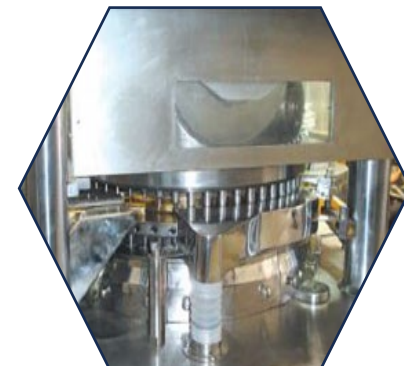
### Salient Features :

- ❖ Design is cGMP with contact parts AISI 316 & non contact part AISI 304.
- ❖ Machine ergonomic design construction with separate compression zone and drive zone and electric controls zone and easy to operate, change over, clean & maintenance.
- ❖ Available in different four model Viz. tooling 45 sin "D" , 55 sin "B" 69 & 75 sin "BB" type.
- ❖ Double side rotary compression press with higher output.
- ❖ Pre-compression system to improve compressibility and tablet quality.
- ❖ Turret drives through gear box & internal gear, electromagnetic clutch with variable speed by VFD.
- ❖ Force feeder system with bottom drives with variable speed by VFD.
- ❖ Hydraulic power pack system for pressure loads and released.
- ❖ Tablet parameter to be adjusts from outside and front of the machine.
- ❖ Simple & convenient to operation, changeover, cleanliness, maintenance.
- ❖ Fast changeover and easy cleaning designed with easy removal weight adjustment sector.
- ❖ Auto lubrication system for roller pin.
- ❖ Upper punch penetration system.
- ❖ Powder scrapper seal for lower punch on turret.
- ❖ Drive zone is cover with lower guard of S.S.304 with interlock.
- ❖ Upper acrylic guard with gas cylinder and inter lock.
- ❖ Paint free tablet compression zone.
- ❖ Dust suction nozzle for controlling dusting.
- ❖ Electric control panel is closed dust free type in front of machine with easy removal.



### Optional Features :

- ❖ PLC controls with HMI touch screen interface.
- ❖ Powder level sensor for hopper.
- ❖ 3 Pcs. turret with S.S 316 die pot.
- ❖ Start and stop times rejection and sampling gate device.
- ❖ Two layer tablet change parts.



## Safety Features :

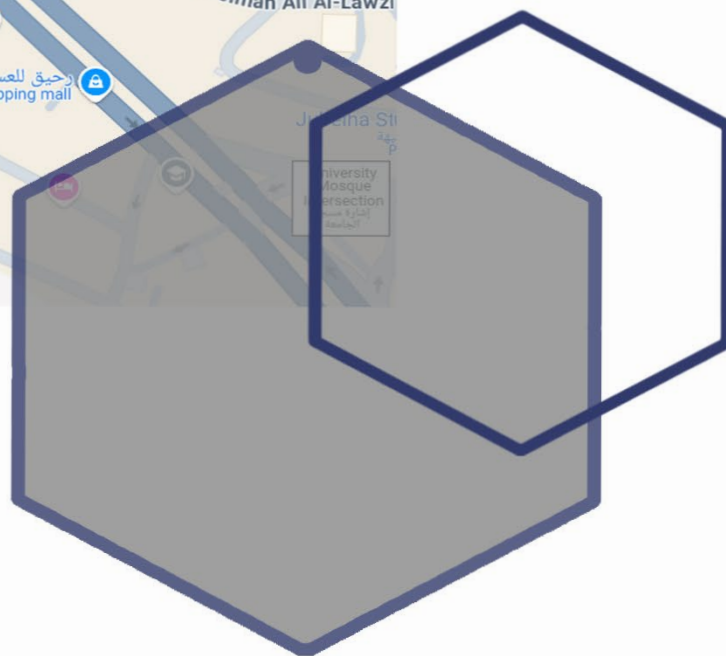
- ❖ Interlocked guard.
- ❖ Overload pressure release mechanism.
- ❖ Emergency stop button.

## Technical Specifications :

Model	TabXpress IV-45	TabXpress IV-55	TabXpress IV-69	TabXpress IV-75
No. of Stations	45	55	69	75
Type of Tooling	D	B	BB	BB
Output of Table per hour	65,000 to 3,25,000	66,000 to 3,96,000	82,800 to 4,97,000	90,000 to 5.40,000
Max. Operating Pressure (Main .)	100 kN	65 kN	65 kN	65 kN
Max. Tablets Size	24mm	16 mm	11.1 mm	11.1 mm
Depth of Fill	20mm	17.4 mm	17.4 mm	17.4 mm
Upper Punch Penetration	3 to 6 mm	3 to 6 mm	3 to 6 mm	3 to 6 mm
Turret Drive Motor	10 HP /7.5 kw	10 HP /7.5 kw	10 HP /7.5 kw	10 HP /7.5 kw
Force Feeder Drive Motor	0.5 HP/ 0.37 kw	0.5 HP/ 0.37 kw	0.5 HP/ 0.37 kw	0.5 HP/ 0.37 kw
Hyd. Power Pack Motor	1 HP/ 0. 75 kw	1 HP/ 0. 75 kw	1 HP/ 0. 75 kw	1 HP/ 0. 75 kw
Machine Dimension in cm	167 x 178 x 220 H	167 x 178 x 220 H	145 X 142 X 182 H	167 x 178 x 220 H
Machine Weight in kg.	3750 kg	3750 kg	3750 kg	3750 kg



A map of Amman, Jordan, showing the location of Future Beacon Est. The map is centered on a red pin labeled "FUTURE BEACON EST." and "مؤسسة منارة المستقبل". The map shows several streets, including Suleiman As-Saleh St., Ar-Rayani St., Suleiman Ali Al-Lawzi St., and Salem Al-Jundi St. Other landmarks include the Greater Amman Municipality AlJubiha, Soq Majdi Shopping mall, and the University Mosque Intersection. The map is oriented with North at the top.



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