

ADEPT MINI

BILAYER R&D PRESS - M-200



SINGHANIA[®]
T A B L E T I N G

— 50 YEARS OF EXPERTISE —

ADEPT

CONCEPT
ENGG. CO.

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INDIA

The Adept Bi-Layer Lab Press is a compact rotary tablet press used mainly for development of new products and scale up requirements. It can be used for mono layer as well as bi layer tablets. It is also suitable for small batch production. It has features as pneumatic first layer sampling, force monitoring and auto rejection. It also has provision for multi tooling 5D + 5B type.

6 TON LOAD CAPACITY

This press is designed to take full load of 6 Tons for compressing bigger tablets.

- 3 HP Motor/5 HP VFD & branded heavy duty gear box
- Centre Drive Mechanism for minimal maintenance

FOOD GRADE GRAVITY FEEDER & ROTARY FEEDER

The Multi Chamber Gravity Feeder is made of polymer and ensures no metal contamination in tablets.

- Provision for Rotary Feeder
- Separate VFD for individual rotary feeder speed control
- Quick tool-less change over from gravity to rotary feeder

MONO LAYER / BI LAYER CAPABILITY

Machine can be used for Mono Layer as well Bi Layer products.

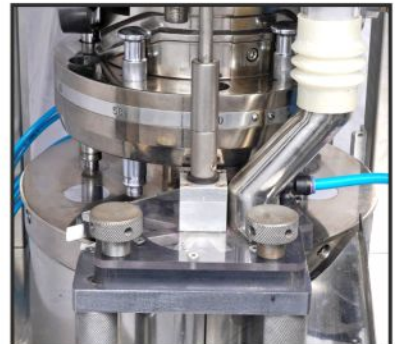
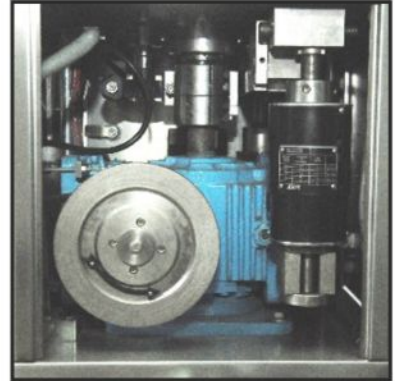
Main Compress + Pre Compress – Main Compression with 60kN & Pre Compression with 20kN capacity.

- Upper & Lower Roller with bearing to prevent jamming
- Upper Punch Penetration available for both pre & main compression

TURRET

Precision machined turret with thrust bearing

- Turret with electrolysis nickel plating. Electrolysis nickel plating provides excellent protection against corrosion from salt, acids, alkali, humidity, temperature etc.
- Turret can be provided with 'D', 'B' or combination 'D' & 'B' tooling
- Turret can be provided with SS316 Die Table (Optional)
- Ball Spring Plugs for holding lower punches compression



BI LAYER TABLETS

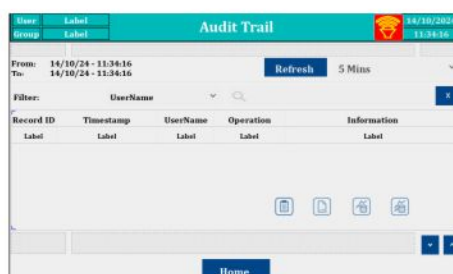
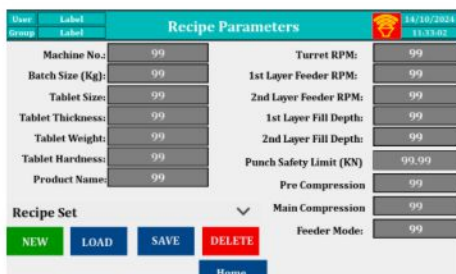
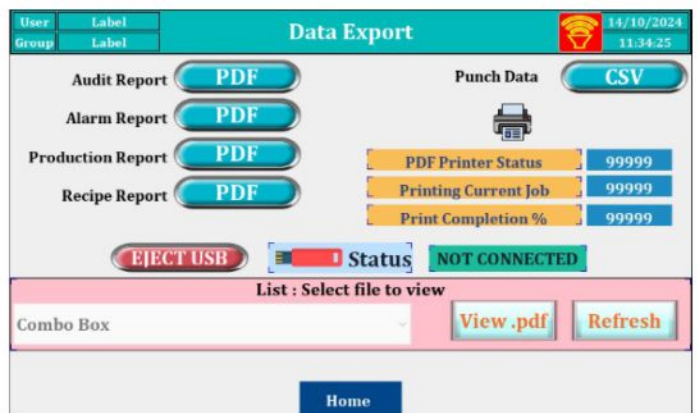
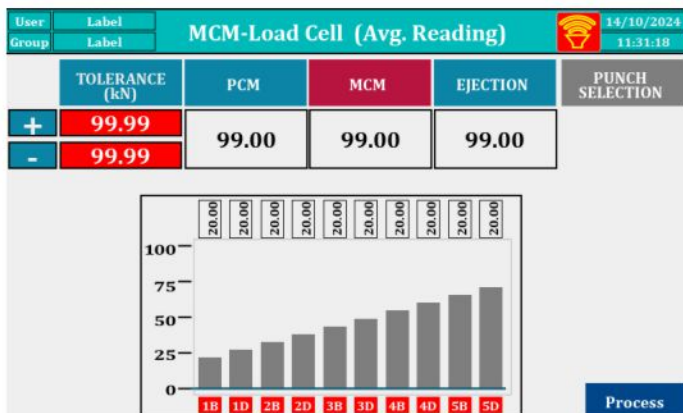
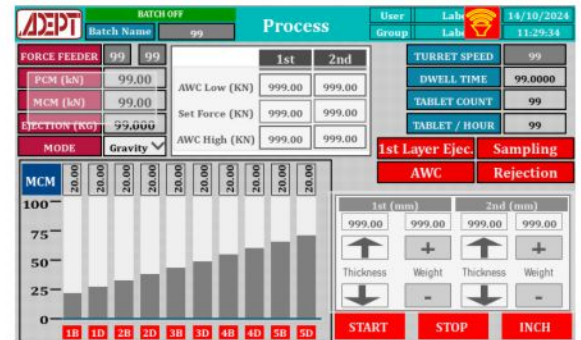
- Suitable for mono as well as bi layer tablets
- Suction provision in feeders to prevent mixing in bi layer tablets
- First layer sampling by pneumatic system

AUTOMATION

- 7" Touch Screen with PLC Control
- Force Measurement System for sensing & recording Main, Pre Compression & Ejection Force of each punch
- AWC - Servo Motorised (Knob-less control for Weight & Thickness)
- Tablet sampling & rejection by Pneumatic Flap System
- 3 Level Supervisory Password Control
- 21 cfr part 11 compliance
- 1st Layer Auto Sampling System (Pneumatic)
- Dwell time display in real time
- All Reports Generation

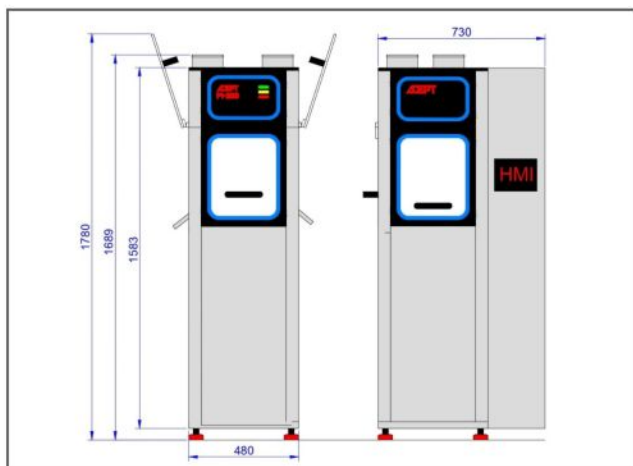


Bi-layer Tablets



TECHNICAL DETAILS

MODEL	ATR D-D-9	ATR B-B-11	ATR R&D
No Of Stations	9	11	5D + 5B
Type Of Tooling	D	B	D & B
Max Round Tablet Size	25mm	18.5mm	25 / 18.5mm
Max Caplet Length	25mm	19mm	25 / 19mm
RPM	10 - 36	10 - 36	10 - 36
Main Pressure	60 kN	60 kN	60 kN
Pre Pressure	20 kN	20 kN	20 kN
Max Depth Of Fill	18mm	18mm	18mm
First Layer Penetration	2mm to 8mm		
Second Layer Penetration	3.5mm to 6.5mm		
Main Motor	3 HP	3 HP	3 HP
Max Output/Hour	19440	23760	10800
Machine Dimensions	73 cm x 56 cm x 178 cm		
Machine Weight	660kg		



OTHER FEATURES

- Hopper with slide valve
- Compression guards with sensor for safety interlock
- All electrical Schneider or equivalent make
- All pneumatics components Festo make

