

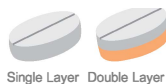


**FUTURE BEACON**

<https://future-beacon.co>



## **AUTOMATIC HIGH SPEED TABLETING MACHINES**



Single Layer Double Layer

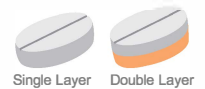


Triple Layer



# F-7200

HIGH SPEED DOUBLE ROTARY TABLET PRESS  
WITH PRE-COMPRESSION 10 TONS &  
MAIN COMPRESSION 10 TONS  
Maximum Output - 7,77,600 Tablets / Hour  
WITH INTERCHANGEABLE TURRET  
AUTO WEIGHT THROUGH COMPACTION FORCE CONTROL  
AUTO TABLET REJECTION THROUGH COMPACTION FORCE CONTROL  
21 CFR part 11 compliace



## NEW INTRODUCTION

### Model

#### 51 STN "D" Tooling

Single Layer: 30600 / 490000 \*Tablets/Hour

Bi-Layer: 15300 / 122400 \*Tablets/Hour

#### 65 STN "B" Tooling

Single Layer: 39000 / 624000 \*Tablets/Hour

Bi-Layer: 19500 / 156000 \*Tablets/Hour

#### 77 STN "BB" Tooling

Single Layer: 46200 / 739200 \*Tablets/Hour

Bi-Layer: 23100 / 184800 \*Tablets/Hour

#### 81 STN "BBS" Tooling

Single Layer: 145800 / 777600 \*Tablets/Hour

Bi-Layer: 24300 / 194400 \*Tablets/Hour

### Special Features

- Suitable for mid-scale & large scale production.
- Suitable for maximum product flexibility & quality.
- High productivity, High Flexibility.
- Excellent Bi-layer facility.
- cGMP Model.
- Turret interchangeable facility.
- Main Torque Drive for turret.
- Servo Motorized Pre- Compression of 10 TONS. (100 KN)
- Servo Motorized Main Compression of 10 TONS. (100 KN)
- 3 Paddle force feeding system.
- Separate lubrication system for product contact.
- Load cell at Pre- Compression & Main Compression
- Fully computerized PLC with Industrial PC (IPC) 19" Colour Touch Screen.
- Maximum operating security.
- Auto Weight Control & Single Tablet Rejection Through Compaction Force Control - (CFC).
- Process parameters with numerical & graphical represent.
- Various type of data reports available ( Recipe, Audit, Alarm, Batch...etc.)
- 21 CFR part 11 compliance.

# F-360R

HIGH SPEED DOUBLE ROTARY TABLET PRESS

WITH PRE-COMPRESSION 10 TONS &

MAIN COMPRESSION 10 TONS

Maximum Output - 7,77,600 Tablets / Hour

WITH INTERCHANGEABLE TURRET

AUTO WEIGHT THROUGH COMPACTION FORCE CONTROL

AUTO TABLET REJECTION THROUGH COMPACTION FORCE CONTROL

21 CFR part 11 compliace



NEW INTRODUCTION

## Model

### 49 STN "D" Tooling

Single Layer Output : 58,800 - 4,70,400 Tablets / Hour

Bi-Layer Output : 29,400 - 1,17,600 Tablets / Hour

### 63 STN "B" Tooling

Single Layer Output : 75,600 - 6,04,800 Tablets / Hour

Bi-Layer Output : 37,800 - 1,51,200 Tablets / Hour

### 81 STN "BB" Tooling

Single Layer Output : 97,200 - 7,77,600 Tablets / Hour

Bi-Layer Output : 48,600 - 1,94,400 Tablets / Hour

## Special Features

- Suitable for mid-scale & large scale production.
- Suitable for maximum product flexibility & quality.
- cGMP Model.
- Excellent productivity compare cost investment.
- Inbuilt Exchangeable turret offers eliminating changeover time.
- Servo Motorized Pre- Compression of 10 TONS. (100 KN)
- Servo Motorized Main Compression of 10 TONS. (100 KN)
- 3 Paddle force feeding system.
- Load cell at Pre- Compression & Main Compression.
- Ejection force measuring system.
- Operating terminal 15" IPC with IP65 Ratings
- Wide range of operating parameters
- Higher level of security & data monitoring
- Automatic Process & controlling product parameters.
- Auto Weight Control & Single Tablet Rejection Through
- Compaction Force Control - (CFC).
- Process parameters with numerical & graphical represent.
- Various type of data reports available ( Recipe, Audit, Alarm, Batch...etc.)
- 21 CFR part 11 compliance.

# F-45 R



HIGH SPEED DOUBLE ROTARY TABLET PRESS  
WITH PRE-COMPRESSION 10 TONS &  
MAIN COMPRESSION 10 TONS

Maximum Output - 7,77,600 Tablets / Hour

AUTO WEIGHT THROUGH COMPACTION FORCE CONTROL

AUTO TABLET REJECTION THROUGH COMPACTION FORCE CONTROL

21 CFR part 11 compliace



**NEW INTRODUCTION**

## Special Features

- Suitable for mid-scale & large scale production.
- Suitable for maximum product flexibility & quality.
- Suitable for single layer & bi-layer.
- cGMP Model.
- Transmission through helical ring & pinion .
- Servo Motorized Pre- Compression of 1 TON. (10 KN)
- Servo Motorized Main Compression of 10 TONS. (100 KN)
- Servo Motorized Upper punch penetration-Main.
- Zero clearance with 2 Paddle force feeding system.
- Load cell at Main Compression.
- Auto lubrication system.
- Compaction force over load through hydraulic pressure system.
- Ejection force measuring system.
- Operating terminal 15" IPC with IP65 Ratings
- Wide range of operating parameters.
- Higher level of security & data monitoring.
- Automatic Process & controlling product parameters.
- Auto Weight Control & Single Tablet Rejection Through.
- Compaction Force Control - (CFC).
- Process parameters with numerical & graphical represent.
- Various type of data reports available ( Recipe, Audit, Alarm, Batch...etc.)
- 21 CFR part 11 compliance.

## Model

### 45 STN "D" Tooling

Output : 64,800 / 3,24,000 Tablets / Hour

### 61 STN "B" Tooling

Output : 87,840 / 4,39,200 Tablets / Hour

### 75 STN "BB" Tooling

Output : 1,08,000 / 5,40,000 Tablets / Hour



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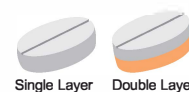
HIGH SPEED DOUBLE ROTARY TABLET PRESS

39 Stn. 'D' Tooling / 49 Stn. 'B' Tooling / 61 Stn. 'BB' Tooling  
WITH INTERCHANGEABLE TURRET

With Pre compression of 3 tons. With Main compression of 10 tons.

AUTO WEIGHT THROUGH COMPACTION FORCE CONTROL

AUTO TABLET REJECTION THROUGH COMPACTION FORCE CONTROL



Single Layer Double Layer

## Special Features

- Suitable for mid-scale & large scale production.
- Suitable for maximum product flexibility & quality.
- Suitable for single layer & bi-layer.
- cGMP Model.
- Center shaft driven turret through heavy duty oil immersed reduction gear box.
- Servo Motorized Pre- Compression of 3 TONS. (30 KN)
- Servo Motorized Main Compression of 10 TONS. (100 KN)
- Zero clearance with 3 Paddle force feeding system.
- Load cell at Pre Compression for Pressure measurement.
- Load cell at Main Compression for Pressure measurement.
- Load cell for lower punch tight detection.
- Auto lubrication system.
- Ejection force measuring system.
- Operating terminal 15" IPC with IP65 Ratings
- Wide range of operating parameters.
- Higher level of security & data monitoring.
- Automatic Process & controlling product parameters.
- Auto Weight Control & Single Tablet Rejection Through.
- Compaction Force Control - (CFC).
- Process parameters with numerical & graphical represent.
- Various type of data reports available (Recipe, Audit, Alarm, Batch...etc.)
- 21 CFR part 11 compliance.

## Model

### 39 STN "D" Tooling

Single Layer Output : 46,800 - 3,27,600 Tablets / Hour

Bi-Layer Output : 23,400 - 81,900 Tablets / Hour

### 49 STN "B" Tooling

Single Layer Output : 58,800 - 4,11,600 Tablets / Hour

Bi-Layer Output : 29,400 - 1,02,900 Tablets / Hour

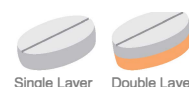
### 61 STN "BB" Tooling

Single Layer Output : 73,200 - 5,12,400 Tablets / Hour

Bi-Layer Output : 36,600 - 1,28,100 Tablets / Hour

# ACT-V

HIGH SPEED DOUBLE ROTARY TABLET PRESS  
WITH MOTORIZED MAIN COMPRESSION 10 TONS  
WITH INTERCHANGEABLE TURRET  
AUTO WEIGHT THROUGH COMPACTION FORCE CONTROL  
AUTO TABLET REJECTION THROUGH COMPACTION FORCE CONTROL



## Model

### 29 STN "D" Tooling

Single Layer Output : 34,800 / 2,08,800 Tablets / Hour

Bi-Layer Output : 17,400 / 52,200 Tablets / Hour

### 37 STN "B" Tooling

Single Layer Output : 44,400 / 2,66,400 Tablets / Hour

Bi-Layer Output : 22,200 / 66,600 Tablets / Hour

### 47 STN "BB" Tooling

Single Layer Output : 56,400 / 3,38,400 Tablets / Hour

Bi-Layer Output : 28,200 / 84,600 Tablets / Hour

## Special Features

- Suitable for mid-scale & small scale production.
- Suitable for maximum product flexibility & quality.
- Suitable for single layer & bi-layer.
- cGMP Model.
- Center shaft driven turret through heavy duty oil immersed reduction gear box.
- Servo Motorized Main Compression of 10 TONS. (100 KN)
- Zero clearance with 3 Paddle force feeding system.
- Load cell at Main Compression for Pressure measurement.
- Load cell for lower punch tight detection.
- Auto lubrication system.
- Ejection force measuring system.
- Operating terminal 15" IPC with IP65 Ratings
- Wide range of operating parameters.
- Higher level of security & data monitoring.
- Automatic Process & controlling product parameters.
- Auto Weight Control & Single Tablet Rejection Through.
- Compaction Force Control - (CFC).
- Process parameters with numerical & graphical represent.
- Various type of data reports available ( Recipe, Audit, Alarm, Batch...etc.)
- 21 CFR part 11 compliance.

# ACT-VI

HIGH SPEED SINGLE ROTARY TABLET PRESS

With pre compression of 10 tons & Main compression of 10 tons.

WITH INTERCHANGEABLE TURRET

AUTO WEIGHT THROUGH COMPACTION FORCE CONTROL

AUTO TABLET REJECTION THROUGH COMPACTION FORCE CONTROL



## Special Features

- Suitable for mid-scale & large scale production.
- Suitable for maximum product flexibility & quality.
- cGMP Model.
- Center shaft driven turret through heavy duty oil immersed reduction gear box.
- Servo Motorized Pre- Compression of 10 TONS. (100 KN)
- Servo Motorized Main Compression of 10 TONS. (100 KN)
- Zero clearance with 3 Paddle force feeding system.
- Load cell at Pre Compression for Pressure measurement.
- Load cell at Main Compression for Pressure measurement.
- Load cell for lower punch tight detection.
- Auto lubrication system.
- Ejection force measuring system.
- Operating terminal 15" IPC with IP65 Ratings
- Wide range of operating parameters.
- Higher level of security & data monitoring.
- Automatic Process & controlling product parameters.
- Auto Weight Control & Single Tablet Rejection Through.
- Compaction Force Control - (CFC).
- Process parameters with numerical & graphical represent.
- Various type of data reports available ( Recipe, Audit, Alarm, Batch...etc.)
- 21 CFR part 11 compliance.

## Model

**49 STN "D"** Tooling

Output : 29,400 / 2,05,800 Tablets /

Hour **61 STN "B"** Tooling

Output : 36,600 / 2,56,200 Tablets / Hour

**73 STN "BB"** Tooling

Output : 43,800 / 3,06,600 Tablets / Hour

# ACT-II

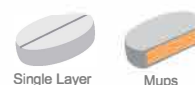
HIGH SPEED SINGLE ROTARY TABLET PRESS

With pre compression of 10 tons. & main compression of 10 tons.

WITH INTERCHANGEABLE TURRET

AUTO WEIGHT THROUGH COMPACTION FORCE CONTROL

AUTO TABLET REJECTION THROUGH COMPACTION FORCE CONTROL



## Model

### 31 STN "D" Tooling

Output : 18,600 / 1,39,500 Tablets / Hour

### 37 STN "B" Tooling

Output : 22,200 / 1,66,500 Tablets / Hour

### 45 STN "BB" Tooling

Output : 27,000 / 2,02,500 Tablets / Hour

## Special Features

- Suitable for mid-scale & small scale production.
- Suitable for maximum product flexibility & quality.
- cGMP Model.
- Center shaft driven turret through heavy duty oil immersed reduction gear box.
- Servo Motorized Pre- Compression of 10 TONS. (100 KN)
- Servo Motorized Main Compression of 10 TONS. (100 KN)
- Zero clearance with 3 Paddle force feeding system.
- Load cell at Pre Compression for Pressure measurement.
- Load cell at Main Compression for Pressure measurement.
- Load cell for lower punch tight detection.
- Auto lubrication system.
- Ejection force measuring system.
- Operating terminal 15" IPC with IP65 Ratings
- Wide range of operating parameters.
- Higher level of security & data monitoring.
- Automatic Process & controlling product parameters.
- Auto Weight Control & Single Tablet Rejection Through.
- Compaction Force Control - (CFC).
- Process parameters with numerical & graphical represent.
- Various type of data reports available ( Recipe, Audit, Alarm, Batch...etc.)
- 21 CFR part 11 compliance.



# ACT-I

HIGH QUALITY R&D & SMALL SCALE BATCHES

SINGLE ROTARY TABLET PRESS (Suitable for Single & Bi-Layer)

FULLY AUTOMATIC WITH 21 CFR PART 11 COMPLIANCE

With pre compression of 4 tons. With main compression of 10 tons.



## Model

### 16 STN "D" Tooling

Single Layer Output : 9,600 / 48,000 Tablets / Hour

Bi-Layer Output : 9,600 / 24,000 Tablets / Hour

### 20 STN "B" Tooling

Single Layer Output : 12,000 / 60,000 Tablets / Hour

Bi-Layer Output : 12,000 / 30,000 Tablets / Hour

### STN "BB" Tooling

Single Layer Output : 16,800 / 84,000 Tablets / Hour

Bi-Layer Output : 16,800 / 42,000 Tablets / Hour

### 8"D"+8"B" STN "COMBO" Tooling

Single Layer Output : 4,800 / 24,000 Tablets / Hour

Bi-Layer Output : 4,800 / 12,000 Tablets / Hour

## Special Features

- Suitable for R & D & Pilot scale production.
- Suitable for maximum product flexibility & quality.
- cGMP Model.
- Center shaft driven turret through heavy duty oil immersed reduction gear box.
- Servo Motorized Pre- Compression of 4 TONS. (40 KN)
- Servo Motorized Main Compression of 10 TONS. (100 KN)
- Zero clearance with 2 Paddle force feeding system.
- Load cell at Pre Compression for Pressure measurement.
- Load cell at Main Compression for Pressure measurement.
- Auto lubrication system.
- Operating terminal 15" IPC with IP65 Ratings
- Wide range of operating parameters.
- Higher level of security & data monitoring.
- Automatic Process & controlling product parameters.
- Auto Weight Control & Single Tablet Rejection Through.
- Compaction Force Control - (CFC).
- Process parameters with numerical & graphical represent.
- Various type of data reports available ( Recipe, Audit, Alarm, Batch...etc.)
- 21 CFR part 11 compliance.

# ACT-III TRIPLE LAYER

HIGH SPEED TRIPLE LAYER TABLET PRESS

Maximum Output-1,70,100 Tablet/Hour

5 TON IN 1<sup>ST</sup> LAYER & 2<sup>ND</sup> LAYER & 10 TON IN 3<sup>RD</sup> LAYER

AUTO WEIGHT THROUGH COMPACTION FORCE CONTROL

AUTO TABLET REJECTION THROUGH COMPACTION FORCE CONTROL



TRIPLE LAYER



Triple Layer

## Model

### 51 STN "D" Tooling

Single layer Output : 45900/122400 Tablets / Hour

Double layer Output : 45900/107100 Tablets / Hour

Triple layer Output : 45900/107100 Tablets / Hour

### 65 STN "B" Tooling

Single layer Output : 58500/156000 Tablets / Hour

Double layer Output : 58500/136500 Tablets / Hour

Triple layer Output : 58500/136500 Tablets / Hour

### 81 STN "BB" Tooling

Single layer Output : 72900/194400 Tablets / Hour

Double layer Output : 72900/170100 Tablets / Hour

Triple layer Output : 72900/170100 Tablets / Hour

## Special Features

- Triple Rotary Tablet Press, with Interchangeable Turret.
- Heavy Duty Oil Immersed Gear Box for Turret Drive.
- Servo Motorized 1<sup>st</sup> and 2<sup>nd</sup> layer compression of 5 TON and motorized 3<sup>rd</sup> layer compression of 10 Ton.
- Servo Motorized dozer, for precise depth of fill adjustment for each layer.
- Motorized Force Feeders with zero clearance.
- Upper Punch Penetration.
- Load Cell at pre, mid & final compressor.
- Industrial PC having 15" Colour Touch Screen.
- SAMPLING: Pneumatically 1<sup>st</sup> layer and 2<sup>nd</sup> layer. In 1<sup>st</sup> later only one layer will be ejected, in 2<sup>nd</sup> layer 1<sup>st</sup> layer and 2<sup>nd</sup> layer combined two layers will be ejected. In 3<sup>rd</sup> final layer all there layer will come out as a finally compressed tablet.
- Initial Start up & Stop Rejection by default.
- Recipe management & 'n' No of Recipe Storage.

# ACT-V TABLET IN TABLET

SINGLE ROTARY TABLET PRESS

WITH MOTORIZED MAIN COMPRESSION 10 TONS &  
PRE COMPRESSION 3 TONS

AUTO WEIGHT THROUGH COMPACTION FORCE CONTROL

AUTO TABLET REJECTION THROUGH COMPACTION FORCE CONTROL



· Single Rotary Tablet Press.



TABLET IN TABLET



## Special Features

- Capable to Produce Single Layer Tablet, Bi-Layer Tablet, Tablet in Tablet (Single Layer), Tablet in Tablet (Bi-Layer).
- Compact & effective core tablet feeding system.
- Core feeding unit precisely synchronizes with Turret.
- Vertical core tablet feeding system.
- Sensor for core feeding tablets.
- Vibratory hopper for core tablet with sensor.
- No fill tablet rejection system.
- Auto rejection, of any single tablet, out of prescribed compaction force limit based on CFC with Auto weight control facility.
- Special Hopper for core tablet low level sensor.
- Heavy Duty oil Immersed Gear Box for Turret drive.
- Motorized Main Compression of 10 Tons (100 kN) & Pre-Compression of 3 Tons (30 kN).
- Motorized Dozzer, for precise Depth of Fill adjustment.
- Motorized force feeder with Zero Clearance, with Three Paddle design.
- Main & Pre Upper Punch Penetration.
- Load cell at both Main & Pre Compression.
- Industrial PC having 15" Color Touch Screen.
- Auto Sampling based on, either time or revolution or punch nos.
- Initial Start up & Stop Rejection.
- Graphical appearance of the value of pressure on individual punch at pre and main pressure.
- Recipe management & 'n' No. of recipe storage.

## Model

**26 STN "D"** Tooling

Output : 40,560 Tablets / Hour



**AVAILABLE WITH INTERCHANGEABLE TURRET**