

## CR PRESS II

### TECHNICAL DETAILS

<b>Type</b>	<b>CRD II – 37</b>	<b>CRD II - 45</b>	<b>CRD II – 55</b>	<b>CRD II -61</b>
No. of Stations	37	45	55	61
Type of tooling	D	B	BB	BB
Output (tablets/hr.)	86000 to 222000	96000 to 324000	120000 to 396000	132000 to 438000
Max. Operating pressure (main)	10 Tons	6.5 Tons	6.5 Tons	6.5 Tons
Max. Tablet dia.	25 mm	15.9 mm (5/8" )	11.1 mm (7/16")	11.1 mm (7/16")
Max. dept of fill	20.5 mm	17.5 mm	17.5 mm	17.5 mm
Upper punch penetration	3.2 to 8 mm	3.2 to 8 mm	3.2 to 8 mm	3.2 to 8 mm
Main Electric Motor	7.5 HP	7.5 HP	7.5 HP	7.5 HP
	1440 RPM, 415 V 50 Hz, 3 Ph.	1440 RPM, 415 V 50 Hz, 3 Ph.	1440 RPM, 415 V 50 Hz, 3 Ph.	1440 RPM, 415 V 50 Hz, 3 Ph.
Powder Feeder Motor	0.25 HP	0.25 HP	0.25 HP	0.25 HP
	1440 RPM, 415 V 50 Hz, 3 Ph.	1440 RPM, 415 V 50 Hz, 3 Ph.	1440 RPM, 415 V 50 Hz, 3 Ph.	1440 RPM, 415 V 50 Hz, 3 Ph.
Overall dimension(mm)	1450 x 1400 x 1850	1450 x 1400 x 1850	1450 x 1400 x 1850	1450 x 1400 x 1850
Net weight	2500 Kgs	2500 Kgs	2500 Kgs	2500 Kgs
Gross Weight	2825 Kgs	2825 Kgs	2825 Kgs	2825 Kgs

### CR –PRESS –II High Speed Double Sided Rotary Tablet Press Machine ( Features )

- ✓ High Speed Double Sided Rotary Tableting Machine with Pre-Compression Unit
- ✓ Available as Standard / PLC-MMI based / Fully Computerized Version
- ✓ Conforming to stringent cGMP norms.
- ✓ Easy accessibility for quick cleaning and product changeover
- ✓ Precise Weight Control
- ✓ All Tablet Parameters can be fine tuned during operations from outside the tableting zone.
- ✓ Ensures hygienic production condition and operator safety

### **ADDITIONAL OPTIONAL FEATURES:**

1. Three Piece Turret with Stainless Steel 304/316 die-table
2. Auto tablet rejection during m/c start & stop and random tablet sampling device
3. Powder level Sensors at feed hoppers
4. Lower Punch Spray Lubrication system for effervescent table production
5. Bi-layer tablet facility
6. Zero clearance feed frame ensures clean die-table
7. Gravity Feeding System
8. PLC control system
9. Fully computerized CFC system

### **DOUBLE ROTARY TABLETING MACHINE**

#### **TECHNICAL DETAILS**

<b>Type</b>	<b>CIB3 D-27</b>	<b>CIB3 B-27</b>	<b>CIB3 B-35</b>	<b>CIB3 BB-45</b>
No. of Stations	27	27	35	45
Type of tooling	D	B	B	BB
Output (tablets/hr.)				
• Minimum	48000	48000	63000	80000
• Maximum	96000	96000	125000	160000
Max. Operating pressure (main)	10 Tons	6.5 Tons	6.5 Tons	6.5 Tons
Max. Tablet dia.	25 mm	15.87 mm	15.87 mm	11 mm
Max. dept of fill	19 mm	17.5 mm	17.5 mm	17.5 mm
Max. thickness of Tab.	11 mm	11 mm	11 mm	11 mm
Main Electric Motor	2.2 KW /5 HP 1440 RPM, 415 V 50 Hz, 3 Ph.	2.2 KW / 3 HP 1440 RPM, 415 V 50 Hz, 3 Ph.	2.2 KW / 3 HP 1440 RPM, 415 V 50 Hz, 3 Ph.	2.2 KW / 3 HP 1440 RPM, 415 V 50 Hz, 3 Ph.
Overall Dimension (cm)	115 x 111 x 173 H	115 x 111 x 173 H	115 x 111 x 173 H	115 x 111 x 173 H
New Weight	1170 Kgs	1170 Kgs	1170 Kgs	1170 Kgs
Case Dimension (cm)	138 x 130 x 187 H	138 x 130 x 187 H	138 x 130 x 187 H	138 x 130 x 187 H
Gross Weight	1420 Kgs.	1420 Kgs.	1420 Kgs.	1420 Kgs.

### **CIB3**

Double sided rotary table ting machine is a variable speed pulley tablet compressing machine, incorporating all the latest improvements in precision engineering, lubrication and construction , 4 models of the machine are offered -27 stn, 35 stn , and 45 stn.

## **CONSTRUCTION**

The main feature of the machine include

- Rigid gearbox assembly consisting of phosphor bronze worm
- Worm shaft with ball bearing and flywheel
- High grade alloy steel pressure rolls
- Stainless steel hoppers with vertical and horizontal adjustment
- Easily removable stainless steel chute
- Adjustable motor Platform
- Motor load indicated by ammeter
- Machine is complete covered by SS 304 Sheet
- Four Acrylic Guard are provide to covered compression area as per GMP Norms with hinge arrangement
- All non contact part are covered by SS 304 sheet or hard come plated.
- Panel consists of tablet counter, ampere Meter & On/ Off switch.
- Four No. of rigid rubber mounting pad are provided to absorb vibration.

## **DISCRIPTION**

Designed for tablets upto diameter 25 mm diameter

Maximum filling depth of 20 mm

Maximum Operating Pressure -10 tons

Out put of the machine is regulated according to the size of the tablets , the type of material to be compressed and the pressure to be applied. The machine is fitted with automatic and adjustable overload pressure release mechanism which offers positive protection against excessive pressure to both machine and punches.

## **Method & Operation**

The overall technique , The bottom punches are pulled to the lowest position as they pass under the feed frame where the die cavities are filled with the material for tableting. Surplus material is ejected out of the die when it pass over a weight adjusting cam, situated at the end of the feed frame. This ensure consistent and even filling of the dies. The material is compressed between top & bottom punches as they pass through the upper & lower pressure roll .The lower pressure roll are adjustable so that the distance between the punch tip can be varied so that the pressure to be applied be varied . Ready tablets are swept onto a stainless steel chute by a take of plate at the front of the feed frame. Weight and pressure adjustment may be made whilst the machine is running. The weight adjustment cam has been specially designed for high speed operation and easy removal Upper punch entry is 0.218” (5.5 mm) which means that tablets are compressed near the top of the die. This, there fore, reduces the distance that the compressed tablets has to move on ejection and makes it possible to reverse the die when the top portion become worn out

## **IMPORTANT FEATURES:**

Stainless steel hopper with inspection window

Transparent Upper punch guard

Easier cleaning possible with lower punch guards

Latest worm bearing design

Modified upper cam tracks

Easier adjustment of feed frame

Machine Lifting eyebolts

Turret with lower punch anti-turning device.

Slotted upper punch holes in the turret facilitates use of shaped punches