



**TABLET
SECTION**

**WE GROW
WHEN
YOU GROW**



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Roll Compactor cGMP

Plain & Water Jacketed
Optional: Hydraulic System for Rear Roller



Technical Specifications:

MODEL	GMPC-200/50	GMPC-200/75	GMPC-200/100
Output*	5 to 60 Kgs/Hour	10 to 100 Kgs/Hour	50 to 250 Kgs/Hour
Roll Size	200mm Dia X 50 mm (W)	200mm Dia X 75 mm	200mm Dia X 100 mm (W)
Roll Speed (Step Pulley drive)	6 to 25 RPM	6 to 25 RPM	6 to 25 RPM
Feed Screw Speed (Through A.C. Drive)	5 to 60 RPM	5 to 60 RPM	5 to 60 RPM
Roll Drive Motor**	5 HP, 960 RPM, 440 V, 3 Phase, 50 Hz,		7.5 HP, 960 RPM, 440 V, 3 Phase, 50 Hz,
Feed Screw Drive Motor**	3 HP, 1440 RPM, 440 V, 3 Phase, 50 Hz,		

Also Available with R&D Roll Compactor

Plain & Water Jacketed
Optional: Hydraulic System for Rear Roller

Technical Specifications:

MODEL	GMPC 100/25	GMPC 200/25
Working Capacity	2 to 5 Kgs/Hour	Up to 5 kgs/Hour
Roll Speed	2-29 RPM Variable	1-30 RPM Variable
Screw Speed	5-86 RPM Variable	1-100 RPM Variable
Roller Motor**	1.5 Hp / 3 Phase	3 Hp / 3 Phase
Feeder Motor**	1 Hp / 3 Phase	2 Hp / 3 Phase



Technical Specifications:

MODEL	GMPC-200/150	GMPC-200/200	GMPC-300/300
Output*	50 to 350 Kgs/Hour	50 to 450 Kgs/Hour	100 to 1000 Kgs / Hour
Roll Size	200mm Dia X 150 mm (W)	200mm Dia X 200 mm (W)	300mm Dia X 300 mm (W)
Roll Speed (Step Pulley drive)	6 to 22 RPM	6 to 22 RPM	6 to 22 RPM
Feed Screw Speed (Through A.C. Drive)	5 to 60 RPM	5 to 60 RPM	5 to 60 RPM
Roll Drive Motor**	10 HP, 960 RPM, 440 V, 3 Phase, 50 Hz	15 HP, 960 RPM, 440 V, 3 Phase, 50 Hz	30 HP, 960 RPM, 440 V, 3 Phase, 50 Hz
Feed Screw Drive Motor**	5 HP, 1440 RPM, 440 V, 3 Phase, 50 Hz		7.5 HP, 1440 RPM, 440 V, 3 Phase, 50 Hz

Roll Compactor Cantilever type with Flakes Crusher & Mill or Granulator + Sifter + Powder Transfer System (Vacuum Conveying System)

Plain & Water Jacketed
Optional: Hydraulic System for Rear Roller



Salient Features:

- In Compliance with cGMP guidelines. Contact Parts are made of S.S. 316 except rollers.
- Very compact design available in Plain, Water Jacketed or Flameproof Model.
- Screw is driven through AC Variable Frequency Drive. Safety slipping clutch between gearbox and feed screw.
- ELNP (Electroless Nickel Plating) or Hard chrome plated with mirror finished compacting rolls made of tools steel.
- Rolls drive through twin shaft gearbox with drive unit coupled to it using coupling, which ensures synchronization of the rolls with a steady torque loading.
- Pre-Compression chamber guides the products to roll without any slippage or leakage.
- Pre-densifier screw comprises of cylindrical or conical shape, which is well polished and made of AISI SS-316 quality material.
- The feed screw assembly can be lifted by hand-operated hydraulic pump. This facilitates ease in cleaning.
- Scrapper assembly also designed to dismantle for ease of cleaning.
- A separate panel board which consist of all controls and indicators of the compactor are permanently built in namely, on/off rolls, on/off feed screw, main switch, forward/reverse switch, ammeters for rolls and feed screw and emergency stop to avoid short circuit or fire hazard at the time of cleaning with water.
- Electrical interlocking between main roll drive and fixed screw drive. Water jacketing arrangement. (optional)
- Hydraulic power pack system for Rear Roller. (optional)
- AC Variable frequency drive for Rollers. (optional)

Press IV

High Speed Rotary Tablet Press cGMP



Technical Specifications:

TYPE	GMP-PD-IV-45	GMP-PB-IV-55	GMP-PB-IV-61	GMP-PBB-IV-75
No. of stations	45	55	61	75
Type of tooling	D	B	B	BB
Output tablets/hours Max.60 RPM*	65,000 to 3,25,000	79,000 to 3,96,000	87,840 to 4,39,200	1,08,000 to 5,40,000
Max. operating pressure (main)	100 kN	65 kN	65 kN	65 kN
Max. operating pressure (pre-compression)	10 kN	10 kN	10 kN	10 kN
Max. tablet diameter	23 mm (25mm on Demand)	16 mm	16 mm	11.1 mm
Max. depth of fill	20 mm	17 mm	17 mm	17 mm
Upper punch penetration	1.5 to 8 mm			
Power (total)	8.75 kW / 11 hp			
Force feeder motor**	(2 Nos.)0.19 kW / 0.25 hp			
Overall Dimensions (LXWXH)***	1700mm X 1800mm X 2100mm			
Approx. Weight	4100 kgs			

*Output depends upon the size & shape of tablets and quality & character of the material and also environmental conditions.

**Electric voltage and frequency can be provided as per customer's requirement.

***Due to continuous improvements in the machines, design & specifications are subject to change without any prior notice.

Dia: Diameter / W: Width

Press II

High Speed Rotary Tablet Press cGMP



Technical Specifications:

TYPE	GMP-PD-II-37	GMP-PDB-II-45	GMP-PB-II-45	GMP-PBB-II-61
No. of stations	37	45	45	61
Type of tooling	D	DB	B	BB
Output tablets/hours Max.60 RPM*	53,280 to 2,22,000	64,800 to 2,70,000	64,800 to 2,70,000	87,840 to 3,66,000
Max. operating pressure (main)	10 Ton	10 Ton	6.5 Ton	6.5 Ton
Max. tablet diameter	23 mm (25mm on Demand)	19 mm (21x9 mm on Caplet)	16 mm	11.1 mm
Max. depth of fill	20 mm	20 mm	17 mm	17 mm
Upper punch penetration	1.5 to 8 mm			
Power (total)	7 kW / 9.5 hp			
Force feeder motor (2 Nos.)**	0.19 kW / 0.25 hp			
Overall Dimensions (LXWXH)***	1700mm X 1800mm X 2300mm			
Approx. Weight	2800 kgs			

Press I

High Speed Rotary Tablet Press cGMP



Technical Specifications:

TYPE	GMP-PD-I-27	GMP-PDB-I-35	GMP-PB-I-35	GMP-PBB-I-45
No. of stations	27	35	35	45
Type of tooling	D	DB	B	BB
Output tablets/hours Max.60 RPM*	58,320 to 1,29,000	75,600 to 1,68,000	75,600 to 1,68,000	97,600 to 2,16,000
Max. operating pressure (main)	10 Ton	10 Ton	6.5 Ton	6.5 Ton
Max. tablet diameter	23 mm (25mm on Demand)	19 mm (21x9 mm on Caplet)	16 mm	11.1 mm
Max. depth of fill	20 mm	20 mm	17.5 mm	17.5 mm
Upper punch penetration	1.5 to 8 mm			
Main Electric Motor **	3.75kW/5hp, 1440 RPM, 3 Phase, 50 Hz			
Force feeder motor (Optional) **	0.75 kW / 1.0 hp, 1440 RPM, 415 V, 50 Hz, 3Ph			
Overall Dimensions (LXWXH)***	1400mm X 1500mm X 2000mm			
Approx. Weight	1800 Kgs.			

Double Sided Rotary Tableting Machine cGMP



Technical Specifications:

TYPE	GMP-B4-D-27	GMP-B4-DB-35	GMP-B4-B-35	GMP-B4-BB-45
No. of stations	27	35	35	45
Type of tooling	D	DB	B	BB
Output tablets/hours Max.60 RPM*	58,320 to 1,29,000	75,600 to 1,68,000	75,600 to 1,68,000	97,600 to 2,16,000
Max. operating pressure (main)	10 Ton	10 Ton	6.5 Ton	6.5 Ton
Max. tablet diameter	23 mm (25mm on Demand)	19 mm (21x9 mm on Caplet)	16 mm	11.1 mm
Max. depth of fill	20 mm	20 mm	17.5 mm	17.5 mm
Upper punch penetration	1.5 to 8 mm			
Main Electric Motor**	3.70 kW / 5hp, 1440 RPM 415 V, 50 Hz., 3Ph.			
Overall Dimensions (LXWXH)***	1300mm X 1350mm X 2000mm			
Approx. Weight	1700 kgs			

Single Sided Rotary Tableting Machine cGMP



Technical Specifications:

MODEL	GMP-D-16	GMP-D-20	GMP-3H-12
Tooling	D	D	SPECIAL
No. of Station	16	20	12
Maximum Operating Pressure	10 Tons	10 Tons	12 Tons
Maximum Tablet Diameter	23 mm (25 mm on Demand)	23 mm (25 mm on Demand)	40 mm
Maximum Depth of fill	20 mm	20 mm	30 mm
Output Tablets /Hour*	14,400 to 40,320	18,000 to 50,400	10,800 to 15,840
Electric Motor**	2 Hp / 960 RPM	2 Hp / 960 RPM	5 Hp / 1440 RPM

Press – FC

Single Sided Rotary Tableting Machine cGMP
Also Available with Pre-Compression



Technical Specifications:

MODEL	GMP-D-16-FC	GMP-D-20-FC	GMP-B-26-FC	GMP-BB-32-FC
Tooling	D	D	B	BB
No. of Station	16	20	26	32
Maximum Operating Pressure	10 Tons	10 Tons	6.5 Tons	6.5 Tons
Maximum Tablet Diameter	23 mm (25 mm on Demand)	23 mm (25 mm on Demand)	16 mm	11.1 mm
Maximum Depth of fill	20 mm	20 mm	17.5 mm	17.5 mm
Output Tablets/Hour*	14,400 to 40,320	18,000 to 50,400	23,400 to 65,520	28,800 to 80,640
Electric Motor**	2 Hp	2 Hp	2 Hp	2 Hp

Lab Model Tablet Press



Technical Specifications:

Type	GMP-LAB-8	GMP-LAB-10	GMP-LAB-12MT
No. of Station	8	10	12
Type of tooling	D	B	D,B & BB
Output Tablets /Hour*	2,000 to 14,400	2,000 to 18,000	2,000 to 7,200
Maximum Operating Pressure	6 Ton	6 Ton	6 Ton
Maximum Operating Pre -Pressure	1 Ton	1 Ton	1 Ton
Maximum tablet diameter	19 mm(23mm caplet)	16 mm	19 mm(23mm caplet)
Maximum depth of fill	20.5 mm	17.5 mm	20.5 mm
Upper punch penetration	2 to 6 mm		
Power**	2 Hp / 1440 RPM		
Approx. Weight	400 Kg		
Overall Dimensions (LXWXH)***	840mm x 635mm x 1200mm		

CT-I – Single Sided Rotary Tablet Press

(Suitable for Single & Bi-Layer)

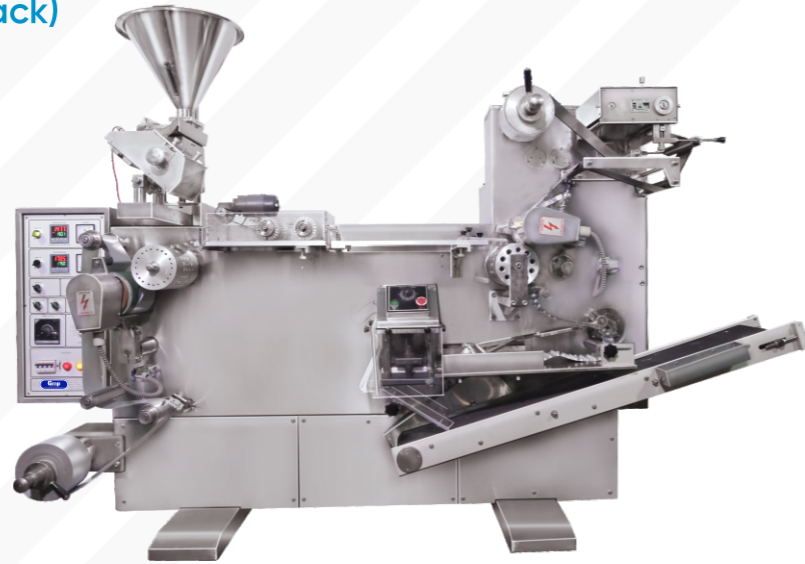


Technical Specifications:

MODEL	GMP-CT-I-11	GMP-CT-I-13	GMP-CT-I-15	GMP-CT-I-MT
Tooling	D	D	D	D
No. of Station	11	13	15	9D + 9B
Output Tablets /Hour (For Single Layer)*	6,600 to 23,100	7,800 to 27,300	9,000 to 31,500	5,400 to 18,900
Output Tablets /Hour (For Bi-Layer)*	6,600 to 11,800	7,800 to 14,040	9,000 to 16,200	5,400 to 9,720
Bi-Layer Facility	Need to select during manufacturing only.			
Turret RPM (For Single Layer)	10 to 35 RPM			
Turret RPM (For Bi-Layer)	10 to 18 RPM			
Maximum Operating Pressure	10 Tons			
Maximum Operating Pre-Compression	10 Tons			
Maximum Tablet Diameter	23 mm (25 mm on Demand)			
Maximum Depth of fill	20 mm			
Upper Punch Main Entry	1 to 6 mm			
Upper Punch Main Entry Pre-Compression	1 to 6 mm			
Main Electric Motor**	5 Hp/ 415 Volt/ 3 Ph			

Note: It is mandatory to use two separate Dust Extractor Machine (300 cfm), during production of Two Layer Tablets to avoid layer mixing and other problems. Also during two layer production the outlet of tablets is from single side only & maximum speed may be around 12 to 15 RPM of Turret.

Blister Pack Machine (Double Track)



Technical Specifications:

Description	Range	GMP -CAP-TAB-240	GMP -CAP-TAB-300
Output*		150 Strokes / Min	150 Strokes / Min
PVC Base Film	Max Width Thickness Max Reel Dia	206mm 0.025 to 0.35mm 440 mm	225mm 0.025 to 0.35mm 440mm
Aluminum Foil	Max Width Thickness Max Reel Dia	200mm 0.023 to 0.35mm 210mm	221mm 0.025 to 0.35mm 210mm
Forming Area	Minimum Maximum	196 X 15mm 196 X 32mm	210 X25mm 210 X132mm
Pack Length	Maximum	196 X 15mm 196 X132mm	210 X25mm 210 X132mm
Pack Width	Maximum	106 mm	140mm
Forming Depth (Can be extended up to 19 mm)		12 mm	12 mm

Blister Pack Machine (Single Track)



Technical Specifications:

Description	Range	GMP -CAP-TAB-150
Output*		150 Strokes / Min
PVC Base Film	Max Width Thickness Max Reel Dia	128 mm 0.25 to 0.35 mm 440 mm
Aluminum Foil	Max Width Thickness Max Reel Dia	124 mm 0.025 to 0.035 mm 210 mm
Forming Area	Minimum Maximum	112 x 25 mm 112 x 96 mm
Pack Length	Maximum	120 mm
Pack Width	Maximum	104 mm
Forming Depth (Can be extended up to 19 mm)	----	12 mm

ALU-ALU Blister Pack Machine



Technical Specifications:

Description	(ALU-ALU) Single Track	(ALU-ALU) Double Track
Output*	30 Strokes / Min	35 Strokes / Min
Base Foil Width	Aluminum 150 mm	Aluminum 227 mm
Base Foil Thickness	0.13-0.15 mm	0.13-0.15 mm
Base Foil Reel Diameter	440 mm	440 mm
Sealing Foil Width	Aluminum 227 mm	Aluminum 227 mm
Sealing Foil Thickness	0.025-0.035 mm	0.025-0.035 mm
Sealing Foil Reel Diameter	210 mm	250 mm
Max. Packet Forming Area	85 x 150 mm	140 x 215 mm
Max. Forming Depth	8 mm	12 mm

Dust Extractor



Technical Specifications:

Vacuum Flow	300 cfm
Electricals**	3 HP, 380/440 Volts, 3 Ph, 50 Hz
Dimensions (LxWxH)***	620mm x 480mm x 1230mm
Approx. Weight	110 Kgs.

Oscillating Granulator cGMP

Single Stirrer



Single Stirrer



Double Stirrer



Tablet/Capsule
Inspection Machine



Dust Extractor
Machine



Comminuting
Mill cGMP



Tablet De-Dusting Machine



Elevating Type



De-Blister
Machine



Dies & Punches

Punches & Dies are available with Multiple Tips / RS II or Any Tablet Press Machine.

