



INVENSYS PHARMA TECHNOLOGIES

Believe in innovative technology

WCOMMPRESSA





INVENSYS PHARMA TECHNOLOGIES

"Invensys Pharma Technologies" is leading manufacturer of pharmaceutical machinery, spares, for tablet section. Invensys pharma is Established by experience of 15 years in the field of manufacturing pharmaceutical machinery (tableting). with continuous innovative & customer driven approach and vision of the company promoters, now invensys pharma has become global company having their presence in all over india.

Salient Features

- Quality machines
- Prompt after sales service
- Wide range of Tablet press Machine & others ancillary machine
- Experience Technical Team
- State of art Manufacturing facility
- Continuous up gradation in the machine technology
- Pre-dispatch quality inspection
- Having experience of more than 15 years in manufactures of pharma machinery



COMPRESSA-3600 HIGH SPEED DOUBLE ROTARY TABLET PRESS

Salient Features

- High Speed Double Sided Rotary Tablet
- Press suitable for large batch production.
- Conforming to stringent cGMP norms.
- All Tablets parameters can be fine tuned during operation from outside the tableting zone.
- This Machine is available with Pre-compression Roller, Ability to compress variety of products easily.
- ACVF drive for main motor.
- This machine is having bottom driven rotary force feeder, ensure weight consistency, Separate.
- AC variable drive for force feeder motors.
- Easy accessibility for quick cleaning and product change over. Precise weight control by calibrated SIEKO dials.
- 3 Types of filling lower cam track is provided with machine.
- Heavy duty advance design for overload compression spring system eliminates hydraulic cylinders & accumulator cylinder.
- No maintenance of hydraulic cylinder & accumulator cylinder.
- All upper guards and side guards interlock provided for operator safety.
- Ensures hygienic production condition and operator safety.

Optional Features

- Fully automated machine.
- Random tablet sampling device.
- SS 316/SS 304 middle plate in turret.
- Electro less nickel plating on turret.
- Hopper powder level sensor.
- Spray Lubrication system for effervescent tablet production.
- Auto lubrication system.
- Gravity feeding system.
- Bi-layer tablet attachment.
- Complete AWC(Auto weight control).
- Compressa Software- 21CFR Compliance
- Force measurement along with graphic representation



Technical Specification

Machine Type	Compressa-3600	Compressa-3600	Compressa-3600	Compressa-3600
Number of Station	45	61	69	75
Type of Tooling	'D'	'B'	'BB'	'BB'
Output-tablets/Hr.	32400	439200	496800	540000
Max. Operating Pressure-main(kN)	100	65	65	65
Max. Operating pressure-pre-compression	10	10	10	10
Max.Tablet diameter	25 mm	16mm	11mm	11mm
Max.Depth of fill	20mm	17.5mm	17.5mm	17.5mm
Upper punch entry penetration-main(mm)	3 to 8			
Power Total(kW/hp)	8.75/11.70			
Main Electric motor(kW/hp)	7.50/10.00			
Force Feeder Motor(kW/hp)	0.19/0.25			
Electrical Supply	(a) 415 V / 3 Phase / 50 Hz (b) 480 V / 3 Phase / 60 Hz (c) 220V / 3 Phase / 60 Hz			
OverallDimension Lxwxh (mm)	1460 x 1610 x 1960			
Net weight(kgs)	3750			
Gross Weight(kgs)	4085			





COMPRESSA-2900 HIGH SPEED DOUBLE ROTARY TABLET PRESS

Salient Features

- In compliance with cGMP standard.
- Higher output suitable for large batch production.
- Force feeder attachment is a standard features, so higher weight consistency of tablets.
- Inter locked guards, for safety.
- Internal helical gear ring and pinion drive for smooth running of machine.
- Easily removable bottom drive rotary force feeders.
- ACVF drive for main motor & also ACVF drive for feeder motor.
- Electromagnetic clutch.
- All the tablets parameters can be set for outside of the tableting zone.
- Heavy duty advance design of overload compression spring system eliminates hydraulic cylinders& accumulator cylinder.
- No maintenance of hydraulic cylinder & accumulator cylinder.
- Continuous lubrication pump for turret helical gear & pinion.
- One shot lubrication pump is provided for lower roll pins.
- Lower punch seals in turret.
- 3 types of filling cams.
- Upper punch penetration.

- Separate electrical panel on front of machine, which facilitates easy cleaning of machine.

Optional Features

- Three piece turret with stainless steel 304/316 die-tablets.
- Powder level monitoring device at feed hoppers.
- Spray lubrication system for effervescent table production.
- Gravity feeding system.
- Bi-layer tablet attachment.
- Fully Automated machine.
- Complete AWC(auto weight control).
- Compressa software-21CFR Compliance.
- Force measurement along with graph representation.



Technical Specification

Machine Type	Compressa-2900	Compressa-2900	Compressa-2900	Compressa-2900
Number of station	37	45	55	61
Type of tooling	'D'	'B'	'BB'	'BB'
Output-Tablets/ Hr.* Maximum	222000	270000	333000	366000
Max.Operating pressure-main(kN)	100	65	65	65
Max. Depth of fill	20mm	17mm	17mm	17mm
Max. Tablet Diameter	25mm	16mm	11mm	11mm
Upper punch entry main	3 to 6			
Power Total(kW/hp)	6.70 / 9.00			
Main motor(kW/hp)	5.50 / 7.50			
Electrical Supply	415 V / 3 Phase /50 Hz			
Overall Dimension LxWxH(mm)	1440 x 1430 x 1920			
Force feeder motor(kw/hp)	0.18 / 0.25			
Net Weight (kgs.)	2500			
Case Dimensions LxWxH (mm)	1670 x 1830 x 2150			
Gross Weight(Kgs.)	2835			



COMPRESSA-2100 DOUBLE SIDED ROTARY TABLET PRESS (GMP MODEL)

Salient Features

- Square GMP model.
- Machine is having heavy duty C.I. body & C.I.
- Middle plate.
- Easy and more through cleaning.
- Excellent and operator friendly material feeding system.
- Lower guards of polished stainless steel.
- Upper guards of transparent acrylic material.
- Digital tablet cum RPM counter.
- Turret of special grade S.G. casting.
- Aluminium turret guards.
- Higher turret speed up to 40RPM.
- Phosphorous bronze bush provided inside the turret hole.
- Imported needle roller bearing provided at the bottom of turret.
- Cam tracks & pressure rolls made out of alloy steel.
- Worm is made of phosphorous bronze material.
- Upper punch penetration system.



Technical Specification

Machine Type	Compressa-2100	Compressa-2100	Compressa-2100
Number of station	27 stn	35 stn	45 stn
Type of tooling	'D'	'B'	'BB'
Output-Tablet / Hr	5400-129000	70000-168000	90000-216000
Max.Operating Pressure	10 Ton	6.5 Ton	6.5 Ton
Max.Tablet Diameter	25 mm	16 mm	11 mm
Max.Depth of fill	20 mm	17.5 mm	17.5 mm
Upper punch Penetration	1.5-8 mm	1.5-8 mm	1.5-8 mm
Turret RPM	40 RPM	40 RPM	40 RPM
Main Electric Motor	5 HP, 3 Phase, 1440 RPM, 415 V., 50Hz		
Overall Dimensions(mm)	1790 mm x 1000 mm x 1040 mm		
Net Weight (Kgs.)	1400		



- Effective dust extraction nozzles.
- Interlock to all guards.
- Variable speed pulley.
- One shot lubrication system.
- Double sided lifting cams.
- Anti vibration mounts.
- Overload pressure release system.
- Reverse direction motion protection is provided to avoid major accidents.
- Available with intermittent auto lubrication pump.
- Available with force feeding attachment.
- Also available with electro less nicked plating turret.
- Also available with ss316 middle plate in turret.
- Machine can be equipped to compress two-layered tables.
- Also available with AC variable drive for main motor.
- Also available with front control. All parameters can be set outside of machine.

Optional features

- Complete automated machine.
- Complete AWC(auto weight control).
- Compressa software-21CFR compliance.
- Force measurement along with graphical representation.



COMPRESSA - 1000 HIGH SPEED ROTARY TABLET PRESS

Salient Features

- In compliance with cGMP standard.
- High speed turret operation – up to 70 RPM.
- Pre-compression as a standard features.
- SS 316 contact parts and middle plate of turret.
- Electro less Nickel plating & lower punch seals.
- Easily removable bottom driven rotary force feeders.
- Main motor and force feeder motor drives through ACVFD.
- Electromagnetic Clutch system to protect rotating parts from the starting torque means, less wear to tare.
- All machine contact & tablet parameters setting from outside of machine
- centrally driven oil immersed gear box having direct drive to turret.
- Main motor & drive have rested to permit the star of the machine at any speed, under maximum load, without any complication.
- Hopper with butter fly valves.

Technical Specification

Machine Type	Compressa-1000	Compressa-1000	Compressa-1000
Number Of Station	26	32	40
Type of tooling	'D'	'B'	'BB'
Output-Tablet/Hr (Max)*	109720	134400	168000
Max. Operating Pressure (kN)	100	65	65
Max Operating pressure (Pre-Compression) (kN)	10	10	10
Maximum Tablet Dia.	25 mm	16 mm	11 mm
Maximum Depth of fill	20 mm	16 mm	16 mm
Upper Punch penetration	3 to 6 mm		
Upper punch penetration (Pre-Compression)	2 to 5		
Main Electric Motor	3.70 Kw / 5 HP, 3 Phase, 415 V, 50 Hz		
Power Pack Electric Motor	0.75 Kw / 1.0 HP / 3 Phase, 415 V, 50 Hz		
RPM Max	70 RPM		
Overall Dimension (mm)	1945 (L) x 1815 (W) x 2035 (H)		
Net Weight (Kgs.)	1465		
Gross Weight (Kgs.)	1850		

- Hour run meter, to record the total machine run time.
- Digital table counter with RPM meter.
- Tablet MFG. Zone, paint free & without corner support pillars, for easy clean ability ox type control panel.
- SS 304 material, having acrylic cover

Optional Features

- Polycarbonate upper guards.
- Separate electric control panel.
- Complete AWC(Auto weight control).
- Servo motor mechanism for tablet thickness auto dialling through PLC.
- Start/stop rejection system and random sampling.
- Lower punch lubrication spray system.
- Force measurement along with Graphical representation.
- Compressa software-21CFR compliance





COMPRESSA-400 ROTARY TABLET PRESS

16 Stn D, 20 Stn D

Salient Features

- Square GMP model.
- Machine is having heavy duty C.I. body & C.I. middle plate.
- Easy and more thorough cleaning.
- Excellent and operator friendly material feeding system.
- Upper guards of transparent acrylic material.
- Electronic / digital tablet cum RPM counter.
- Turret of special grade SG iron casting.
- Lower punch wiper seal to prevent lower punch jamming.
- Aluminium turret guards.
- Higher turret speed 17 to 42 RPM.
- Phosphorous bronze bush provided inside the turret hole.
- Imported needle roller bearing provided at the bottom of turret.
- Cam tracks & pressure rolls made out alloy steel.
- Worm is made of phosphorous bronze material.
- Upper punch penetration system.
- Effective dust extraction nozzle.

Technical Specification

Machine Type	Compressa-400	Compressa-400	Compressa-400
Number of Station	12 Stn.	16 Stn.	20 Stn.
Type of Tooling Punch	Special	'D'	'D'
Output-Tablet Per Hour	15840 - 8640	13440 - 40320	16800 - 50400
Max. Operating	12 Tons	10 Tons	10 Tons
Max. Tablet Diameter	40 mm	25 mm	25 mm
Max. Depth Of Fill	30 mm	20.5 mm	20.5 mm
Upper Punch Penetration	1.5 - 8 mm	1.5 -8 mm	1.5 -8 mm
Main Electric Motor	3 H.P., 950 RPM, 415 Volts, 50 Hz.	5 HP 1440 RPM,415 Volts, 3 Phase 50 Hz.	5 HP 1440 RPM,415 Volts, 3 Phase 50 Hz.
Overall Dimension (mm)	980x1020x1820	980x1020x1820	980x1020x1820
Net Weight (Kgs.)	1200	1100	1100



- Inter lock switches to all guards.
- Variable speed pulley.
- One shot lubrication system.
- Double sided lifting cams.
- Anti vibration mounts.
- Overload pressure release system.
- Reverse direction motion protection is provided to avoid major accident.
- Available with AC variable drive for main motor (optional).
- Available with force feeding attachment (optional).
- Available with SS 316 middle plate in turret. (optional)
- Available with electro less nickel plating on turret. (optional)
- Fully automated machine.
- Compressa software-21CFR.
- Force measurement along with graphical representation.





COMPRESSA-LM MINI TABLETS PRESS

8 Stn D, 10 Stn D, 10 Stn B

Also Available in Multi Tooling



Salient Features

- Square GMP table top model.
- Centre drive fitted with gear box.
- Paint free tablet manufacturing zone.
- Turret of special grade S.G. iron casting.
- Lower guard of polished stainless steel.
- Upper guards of acrylic material.
- Stainless steel turret guards.
- Anti vibrating mount.
- Reverse direction motion protection is provided to avoid accident.
- Grease nipples are provided for effective lubrication where required.
- Upper punch penetration.
- Electronic, digital tablet cum RPM counter.
- Inter lock switches to all guards.
- A.C. variable drive for main motor.
- Pre-Compressing facility.
- This machine is available in combo tooling I.e.
- D & B tooling available in one machine.

Optional Features

- Force feeder attachment.
- HMI & PLC for Machine operation.
- Compaction force measurement with load cell.
- Complete AWC(auto weight control).
- Compressa software-21CFR compliance.
- Force measurement with graph representation.

Technical Specification

Machine Type	Compressa-LM	Compressa-LM	Compressa-LM
Model	Mini Press	Mini Press	Mini Press
Number Of Station	8 Stn	10 Stn	10 Stn
Type Of tooling	'D'	'B'	'D'
Output - Tablet / Hr. (Max)	14000	18000	18000
Turret RPM (Max)	30	30	30
Max. Operating Pressure	6 Tons	6 Tons	6 Tons
Max. Tablet Diameter	22 mm	16 mm	22 mm
Max. Depth Of fill	20.5 mm	17.5 mm	20.5 mm
Upper Punch Penetration	2 to 6 mm	2 to 6 mm	2 to 6 mm
Dia. Of Die mm	38.10 mm	30.15 mm	38.10 mm
Lenght Of Die mm	23.81 mm	22.22 mm	23.81 mm
Dia. Of Punch mm	25.34	18.99	25.34
Lenght Of Punch mm	133.65 mm	133.65 mm	133.65 mm
Power	2.0 HP x 1440 PM x 415 V. x 50 Hz		
Overall Dimension (mm)	480 x 670 x 1050		
Net Weight (Kgs.)	375		

COMPRESSA DE-BURRING & DE-DUSTING MACHINE

Salient Features

- cGMP model.
- Noiseless & maintenance free unit.
- All contact parts can be easily washed and / or sterilised.
- Electric power requirement is less than other machines of the kind.
- No lubrication required.
- Tablet conveying route is so geometrically designed that tablet burrs can break easily.
- Telescopic design for height adjustment.
- Suitable for online application for all types of tablet press machine.

Technical Specification (Vibro Type)

Model	Compressa DB-300
Output (for 8 mm Tablet)	5000 to 250000 tablet / Hr.
Power	0.25 HP / 3 Phase /1440 PM
Max. Tablets Diameter	25 mm
Mini. Tablets Diameter	5 mm
Overall Dimensions	400 mm (L) x 400 mm(W) x 800 (H)





SPARES FOR TABLET PRESS MACHINE



Invensys pharma is having state of art in house manufacturing facility. To ensure easy availability and uninterrupted performance of the tablet press machine, We always keep sufficient stock of consumable spares and other critical spares ready for dispatch. we also supply spares suitable for other company tablet press machine.



COMPRESSA ELEVATING DE-DUSTING MACHINE



Technical Specification (Elevating Type)

Model	Compressa ED-300
Output (for 8 mm Tablet)	5000 - 350000 tablet / Hr.
Max. De-dusting Route	6
Max. Up Movement	460 mm
Power supply	220 V / 50 Hz. / 1 Phase





INVENSYS PHARMA TECHNOLOGIES

OFFICE ADDRESS

F/ 3, Shantiniketan CHS, Near
Omega School, Khindipada,
Mulud (W), Mumbai - 400082

CONTACT DETAILS

Email ID :- sales@invensyspharma.com
Contact No :- 8329983186