



VARIYA PHARMA SOLUTIONS

YOUR TRUST IS OUR ACHIEVEMENT



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Introduction

variya pharma solutions comes under the flag ship of mr. mayur manubhai prajapati, an engineer who started his career in 2016 working with pharmaceutical machine manufacturing companies. during his service with pharmaceutical machine manufacturing companies the demand for tablet dies & punches was increasing in india. due to lack of machines and equipment's for making tablet tools, the pharmaceutical industry demands were not met, in terms of quality, quantity and delivery schedule. mr. mayur manubhai prajapati had excellent knowledge and experience to manufacture tablet dies & punches and variya pharma solutions was formed by him to supply best in class tablet dies & punches, with unmatched quality, competitive rates and on time delivery. since then, variya pharma solutions has registered credible growth through a series of expansion programs and continuous technological upgradation in manufacturing facilities, systems and methods. the annual manufacturing capacity now of round shape tooling is 15,000 sets, and non-round shape tooling around 11,000 sets.



Punch and Die

Tablet tooling design is critical to ensuring a robust tablet compression process. We manufacture 'B' tooling, 'BB' tooling, 'D' tooling, 'DB' tooling, BBS tooling, Bolus tooling, etc as per the TSM standards for all tablet press machines. Considerations when designing pharmaceutical tablet compression tool design include tooling set, head flat, top head angle, top head radius, head back angle, punch shank, tip size etc. As well as ensuring a single dose of drug, the tablet tooling is also critical in ensuring the size, shape, embossing and other physical characteristics of the tablet that are required for identification. Tablets can be made in virtually any shape, depending on the requirement and tableting machines mean but most are round, oval or capsule shaped. With the use of Special

Purpose Tool Steels to finding new ways on resolving the general & critical Tableting issues with Advanced Coating Solutions to Introducing Multiple Tip for the Tooling to improvise & boost productivity which has been very Revolutionary for the past couple of decades in which we have been a part of the journey and are proud of the same. The quality and experience we put into manufacturing each tablet compression tool are unmatched among punch and die manufacturers

STEEL	CHEMICAL COMPOSITION										
	C	CR	Mn	Mo	Ni	P	S	Si	V	W	
OHNS	0.90%	0.50%	1.20%	--	--	--	0.40%	--	0.20%	0.04-0.06%	
S-7	0.50%	3.25%	0.55%	1.50%	--	0.03%	0.03%	0.60%	0.2-0.3%	--	
D-2	1.50%	12.00%	0.30%	0.95%	0.15%	0.03%	0.03%	0.30%	1.00%	--	
D-3	2.20%	12.25%	0.30%	--	--	0.03%	0.03%	0.30%	0.50%	0.50%	

We are Providing different types of shape like As per the below.

- 1.Round
- 2.Capsule
- 3.Heart Shape
- 4.Oval
- 5.Bottel Shape
- 6.Car shape
- 7.Also we can modify as per customer requirement.

We are providing different types of coting.

- 1.HCP
 - 2.CRN
 - 3.MCRN
 - TITANIUM
- The table will give you a brief idea of the type of steel and its properties
- 1.S7
 - 2.OHNS
 - 3.D3
 - D2

Dust Cap



We also manufacturing Dust cap for punch and die. During the tableting process found black spots on tablet cause of oil and other contains so pharma industries found high number of rejection for tablet. So we are providing dust cap for maximum resolving and high improvement for reduce rejection of tablet.



Punch Policing Kit



- POLISHING MACHINE 0.5 HP SINGLE
- PHASE WITH S.S COVER
- 8 X 1 CLOTH BUFFING WHEEL
- 8 X 2 CLOTH BUFFING WHEEL
- 8 X 1 MATT POLISH WHEEL
- 8 X Y2 MATT POLISH WHEEL
- WIRE BRUSH
- BLACK BAL BRUSH
- GREEN LUSTTER
- BLACK LUSTER
- DIMOND PASTE 0 NUMBER
- DIMOND PASTE 3 NUMBER
- BLACK CUP BRUSH TIP POLISH
- WHITE DISC BRUSH TIP POLISH
- FLAT COTTON BOB
- CONICAL COTTON BOB
- 150 NO HAMMERY PASTE
- HAMMERY STICK
- 320 & 120 NO PAPER ROLL

Punch Inspection Kit



- 0-25 MM MICROMETER
- 25-50 MM MICROMETER
- 0-150 MM DIAL VERNI ER
- DIAL GAUGE WITH 0.01 LEAST COUNT
- MAGNETIC STAND FOR DIAL
- 0-7 MM RADIUS GAUGE
- 7.5 -15 MM RADIUS GAUGE
- 15.5 -25 MM RADIUS GAUGE
- MAGNIFY GLASS
- PUNCH HEAD GO-NO GAUGES D & B TYPE
- PUNCH HEIGHT 133.6 MM STANDARD GAUGE
- PUNCH HOLDER "D" TYPE
- PUNCH HOLDER "B" TYPE
- DIE HOLE
- GAUGE(6/ 6.5/7/ 8/ 9.5/ 10/ 11/ 12.7 MM)
- ROTOR DIE HOLE CHECKING GAUGE "D" TYPE(38.10/ 38.11/ 38.12)
- ROTOR DIE HOLE CHECKING GAUGE "B" TYPE(30.16/ 30.17/30. 18)
- ROTOR DIE HOLE CHECKING GAUGE "BB" TYPE(24.00/24.0 1124.02)
- SURFACE PLATE

Die Punch Storage Cabinet



LINEAR PACKAGING S

DESCRIPTION.

SS-304 qualitative stainless-steel sheets meeting the standard of quality storage where the punches can be placed horizontally or vertically in individual drawers. Tablet Tools also known as Punches and Dies are considered to be the heart of tableting science and you need to Protect your investment with proper storage. This punch and die storage system make storage, transportation, and inspection of tools convenient and efficient. With advanced manufacturing techniques, it assures lifelong tool storage cabinet. We can offer storage cabinets having capacity to hold 250 sets of tooling to 1000 sets of tooling.

1. vertical die and punch cabinet
2. horizontal die and punch cabinet
3. hard plastic tray for transfer
4. plastic tool storage box
5. plastic tray with ss frame stand for transfer plastic tool storage box



Mini Press machine



- Square GM P Table Top Model
- Ideal machine for Research & Development
- Paint free tablet manufacturing zone
- Turret of Special Grade S.G. Iron casting
- Aluminum Turret Guards Anti Vibration mount
- Upper punch penetration, as a standard
- features Guards of Acrylic Material.
- Electronic Digital Tablet cum RPM Counter, as a standard features
- Imported needle roller bearing provided at the bottom of turret
- Grease Nipples are provided for effective lubrication, where required
- AC VF Drive for main motor
- Upper Guard Interlocking arrangement
- Center drive fitted with Gear Box

Technical Specification:

Machine Type	VPS MINI-8 D	VPS MINI-10 B	VPS MINI-12 D-B-BB
Model	MINI PRESS	MINI PRESS	MINI PRESS
Number of Stations	8	10	12
Type of Tooling	D	B	D-B-BB
Output - Tablets/Hr.	2000 TO 14,000	2,000 TO 18,000	2,000 TO 7,200
Turret RPM (Min. / Max)	10 - 30.	10 - 30.	10 - 30.
Max. Operating Pressure	6 Tons.	6 Tons.	6 Tons.
Max. Tablet Dia.	19 mm	16 mm	19 mm
Maximum Depth of fill	20.5 mm	17.5 mm	20.5 mm
Power	2.0 HP X 1440 RPM X 415 V. X 50 Hz		
Overall Dimensions (mm)	840 x 635 x 1200 H		

Single Sided Rotary Tableting Machine



- Turret of mechanize grade casting
- Cam tracks and pressure rolls are made tang life, worm is made up of Phosphor Bronze
- Machine is totally enclosed, top half of the machine (Compression zone) with S.S. Hood and acrylic covers, lower half of the machine complete with mat finished S.S. Covers
- Central oil lubricants system with hand pump
- Electronic total output counter on the control panel
- Anti-vibration mounting provided, hence no foundation required
- This reduces the noise level and free flow of dust between compression zone and manufacturing room
- Operating system same as standard machine and it is easy to operate and maintain the machine
- Higher turret speed up to 42 RPM gives higher output than standard machine
- Friction plates fitted on upper cam plate

Model	VPS-12	VPS-16	VPSS-23
No. of Stations	12	16	23
Type of Tooling	-	D	B
Max. Output per Hour	15800	40300	57900
Max. Operating Pressure	12 Tons	10 Tons33%	10 Tons
Max. Tablet Diameter	40 mm	23 mm	16 mm
Max. Turret RPM	22	42	42
Max. Depth of fill	20	20	20
Dia. of Die (mm)	53.97	38.1	30.15
Length of Die (mm)	23.81	23.81	22.22
Dia. of Punch (mm)	41.22	25.35	25.35
Length of Punch (mm)	133.6	133.6	133.6

Double Rotary Tablet Machine



- Paint free tablet manufacturing zone
- Upper guards of transparent acrylic material
- Aluminum turret guards
- Inter lock switches to all guards
- Lower guards of polished stainless steel
- Electronic/Digital, Tablet cum RPM counter
- Worm is made of phosphorous bronze material
- Separate grinded center pillar of M.S. Material
- Higher turret speed 17 to 40 RPM
- Cam tracks & pressure rolls made out of alloy steel
- Upper punch penetration system
- Variable speed pulley
- Disc type friction clutch start system
- Effective dust extraction nozzles
- Overload pressure release system
- 3 Piece Turret can be supplied with oil groove on top face of turret for collection for excess oil
- One shot lubrication system
- Double sided lifting cams

Model	VPS-27	VPS-27	HMG 35	HMG 41	HMG 45
No. of Stations	27	27	35	41	45
Type of Tooling	D	B	B	BB	BB
Max. Output per Hour	136000	136000	176400	206600	226800
Max. Operating Pressure	12 Tons	6.5 Tons	6.5 Tons	6.5 Tons	6.5 Tons
Max. Tablet Diameter (mm)	40 mm	16	16	13	11
Max. Turret RPM	22	42	42	42	42
Max. Depth of fill (mm)	20	20	17.5	17.5	17.5
Dia. of Die (mm)	53.97	30.15	30.15	24	24
Length of Die (mm)	23.81	22.22	22.22	22.22	22.22
Dia. of Punch (mm)	41.22	19.05	19.05	19.05	19.05
Length of Punch (mm)	133.6	133.6	133.6	133.6	133.6
Electric Motor	3 HP / 3 Phase / 1440 RPM				

Dust Collector



DUST COLLECTOR IN 150, 200, 300 CFM

- Provided with stainless steel S.S 304 contact parts (SS 316 optionally).
- Blower fan is dynamically balanced.
- Machine is fitted with the castor wheels for easy mobility.
- Overcome dust hazards as well as cross contamination at tablet compression.
- Minimizes mechanical strain, excessive wear of tableting machine resulting in minimum machine breakdowns and punch wears.
- All inlet manifolds and dust collection trays are of S.S. 304 (SS 316 optionally).
- Inlet manifolds facilitate to connect any Tablet press machine and De-burring units.

Description	150CFM	200CFM (Round Shape)	300CFM
Suction Capacity	150 C.F.M. (500 m3 / hr) at 125 mm W.G	300 M (500 Mtr. Cube / Hr.) at 125 mm W.G.	300 CFM (500 m3 / Hr.) at 125 mm W.G.
Filtration Area	0.8 sq mtr (approx)	5 micron to 10 micron	1.343 m2
Dust Storage Capacity	20 Ltr.	45 ltr.	40 ltr.
Inlet Manifolds	Dia 38 mm 02 Nos.		Dia63 mm 01 Nos, Dia 38 mm 2 Nos
Power	1 HP / 2880 RPM / 3 Phase / 440 V / 50 Hz.	3 HP, 2800 RPM, 3 Phase, 50 Hz	1.5 HP / 2880 RPM / 3 Phase / 440 v / 50 Hz
Overall Dimensions	520 x 460 x 700 H	350 x 610 x 1300H	850 x 620 x 1775H
Net Weight	90 Kgs.	115 Kgs.	130 Kgs.
Gross weight	115 Kgs.		200 Kgs.

De Duster



DE DUSTER & ELEVATING DE DUSTER



- All contact parts can be easily washed & / or sterilized
- Tablet conveying route is geometrically designed, for De-burring.
- Efficient de-burring & de-dusting and full suction of excess powder.
- Machine can be equipped with additional brushing unit also. (optionally)

- Compact & elegant, well proven design Vibro type & G.M.P model
- Noiseless & Maintenance free unit. Electric power required less.
- All contact parts made of S.S. 304. (SS 316 Optionally)
- Machine is fitted with the castor wheels for easy mobility.

Technical Specifications:	
Model	vps-300
Out-put (for 8 MM tablet)	5000 to 2,50,000 tab/hr.
Power	0.25 HP / 3 Phase / 1440 RPM /
	440 V / 50 Hz
Max. Tab. Dia	25 mm
Min. Tab. Dia	5 mm
Overall Dimensions	400 mm (l) 400 mm (W) X 800 mm (h)

Model	Elevating De Duster
Output Per Hour	174000 Tab / Hour
Tablet Path	Bottom to Top-Elevating
Power	0.25 HP X 2 Nos. Phase / 1440 RPM / with AC Drive
Phase	Single Phase Machine
Motor Make	Motion Tech Machinery
Max. Tab. Dia	20 mm
Min. Tab. Dia	5 mm



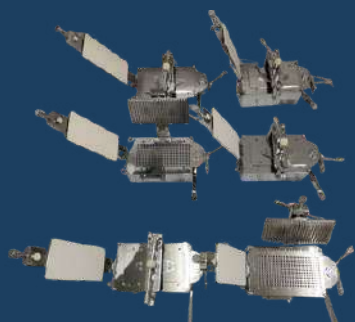
Powder Cotted air certain



Bench Grinder For Punch Polishing



Diamond Pest for punch polishing



Manual Capsule Filling



Tool For Blister punch



Different Types Of Sieves



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