



SINGHANIA TABLETING

— 50 YEARS OF EXPERTISE —

 ADEPT

 CONCEPT
ENGG.CO.

 **Imperial**
Pharmachines

 Pharmachina
INDIA



SINGHANIA TABLETING group comprises of ADEPT ENGINEERS, CONCEPT ENGG, IMPERIAL PHARMACHINES and PHARMACHINE INDIA.

The group was formed in 1968 on a commitment to provide high quality Punches & Dies to the pharmaceutical industry. Our passion for quality and adherence to IPT / Euro norms ensures that the tooling are both precise and consistent. Today we are the most reputed manufacturer of Punches & Dies in India.

In 1989, we capitalised on our expertise and knowledge in manufacturing Punches & Dies to develop ADEPT tablet presses. ADEPT Tablet Presses are remarkably sturdy and simple to use. Special emphasis has been given to safety & durability while designing these machines.



MEGA ROTARY TABLET PRESS



The Adept Mega Press has been designed keeping in mind Adept's philosophy of providing simple and efficient solution. The machine not only gives a higher output but also guarantees minimum breakdown and maintenance. Special emphasis has been given on trouble free working and durability while designing.

TECHNICAL SPECIFICATIONS

MODEL		AMR D-D-45	AMR B-B-61	AMR B-BB-75
STATION		45	61	75
MAX PRESSURE IN TONS		10.0	6.5	6.5
ROUND TABLET MAX DIA		25.0	18.5	13.0
CAPLET MAX DIA		25.0	19.0	16.0
PUNCH	TYPE	D	B	B
	DIA	25.40	19.05	19.05
	HEIGHT	133.6	133.6	133.6
DIE	TYPE	D	B	BB
	DIA	38.10	30.16	24.00
	HEIGHT	23.81	22.22	22.22
MOTOR*	HP	10	10	10
	RPM	1440	1440	1440
TABLET OUTPUT PER HOUR	MIN	27000	36000	45000
	MAX	216000	292800	360000

*Specifications subject to change without notice

DOUBLE ROTARY TABLET PRESS



The Double Sided GMP Model offers complete front control for both weight & thickness adjustment. The machine is also fitted with a Variable Frequency Drive for speed control and timer controlled automated lubrication system. The machine can be supplied with PLC if needed.

TECHNICAL SPECIFICATIONS

MODEL		ADR D-D-27	ADR B-B-35	ADR B-BB-45	ADR A-A-59	ADR R&D 27		
STATION		27	35	45	59	9	9	9
MAX PRESSURE IN TONS		10.0	6.5	6.5	6.5	10.0	6.5	6.5
ROUND TABLET MAX DIA		25.0	18.5	13.0	10.0	25.0	18.5	13.0
CAPLET MAX DIA		25.0	19.0	16.0	NA	25.0	19.0	16.0
PUNCH	TYPE	D	B	B	A	D	B	B
	DIA	25.40	19.05	19.05	12.70	25.40	19.05	19.05
	HEIGHT	133.6	133.6	133.6	100.0	133.6	133.6	133.6
DIE	TYPE	D	B	BB	A	D	B	BB
	DIA	38.10	30.16	24.00	17.00	38.10	30.16	24.00
	HEIGHT	23.81	22.22	22.22	20.00	23.81	22.22	22.22
MOTOR*	HP	5	5	5	5	5	5	5
	RPM	1440	1440	1440	1440	1440	1440	1440
TABLET OUTPUT PER HOUR	MIN	32400	63000	81000	106200	5400	5400	5400
	MAX	97200	159600	205200	269040	21600	32400	32400

* These Specifications are different for Open Model.

SINGLE ROTARY TABLET PRESS



The ADEPT Single Sided Rotary Press offers complete front control for weight, thickness & pre-compression pressure adjustment. This machine has a CENTRE DRIVE mechanism unlike the helical gear system, which ensures higher start-up torque and lower maintenance. This machine comes with rotary feeder.

TECHNICAL SPECIFICATIONS

MODEL		ASR D-D-20	ASR B-B-26	ASR B-BB-	ASR R&D 24		
STATION		20	26	32	8	8	8
MAX PRESSURE IN TONS		10.0	6.5	6.5	10.0	6.5	6.5
ROUND TABLET MAX DIA		25.0	18.5	13.0	25.0	18.5	13.0
CAPLET MAX DIA		25.0	19.0	16.0	25.0	19.0	16.0
PUNCH	TYPE	D	B	B	D	B	B
	DIA	25.40	19.05	19.05	25.40	19.05	19.05
	HEIGHT	133.6	133.6	133.6	133.6	133.6	133.6
DIE	TYPE	D	B	BB	D	B	BB
	DIA	38.10	30.16	24.00	38.10	30.16	24.00
	HEIGHT	23.81	22.22	22.22	23.81	22.22	22.22
MOTOR*	HP	5	5	5	5	5	5
	RPM	1440	1440	1440	1440	1440	1440
TABLET OUTPUT PER HOUR	MIN	6000	7800	9600	2400	2400	2400
	MAX	60000	78000	96000	24000	24000	24000

*Specifications subject to change without notice

MINI ROTARY TABLET PRESS



SALIENT FEATURES

- 6 Tons Load Capacity - This press is designed to take full load of 6 tons for compressing bigger tablets
- Food Grade Gravity Feeder - The Multi Chamber Gravity Feeder is made of polymer and ensures no metal contamination in tablets
- Rotary Feeder and Pre Compression to help make pilot scale batches

TECHNICAL SPECIFICATIONS

MODEL	ATR D-D-8	ATR B-B-10	ATR - R&D
STATION	8	10	4D + 4B
TYPE OF TOOLING	D	B	D & B
MAX ROUND TABLET SIZE	25 mm	18.5 mm	25/18.5 mm
MAX CAPSULE TABLET LTH	25 mm	19 mm	25/19 mm
MIN AND MAX RPM	10 to 30	10 to 30	10 to 30
MAIN PRESSURE	6 tons	6 tons	6 tons
PRE COMPRESSION PRESSURE	2 tons	2 tons	2 tons
MAX DEPTH OF FILL	18 mm	18 mm	18 mm
MAIN MOTOR	3 HP	3 HP	3 HP
MAX OUTPUT TAB/HOUR	14,400	18,000	7,200
DIMENSIONS (LxWxH)	Machine- 630 x 860 x 1200 mm		
WEIGHT (KGS.)	Net - 450 Kgs.		Gross - 600 Kgs.

ELEVATING DEDUSTER



The Elevating De-burring & De-dusting machine has been designed to ensure proper removal of burr and dust from all shapes of tablet. This machine also elevates the tablet so that users can connect an online metal check and collect the final tablets in a bigger container.

TECHNICAL SPECIFICATIONS

MODEL	AED S 4-Dish	AED S 9-Dish
INLET HEIGHT	775 to 975 mm	
OUTLET HEIGHT	775 to 975 mm	990 to 1190 mm
OUTPUT (6MM TABLET)	325000	
TABLET DIAMETER - MINIMUM	5 mm	
MAXIMUM	40 mm	
DEDUSTING LENGTH (APPROX)	2.25 m	4.5 m
SPEED	Adjustable	
INTENSITY	Adjustable	
INLET CHUTE SIZE	130 x 100 mm	
OUTLET CHUTE DIAMETER	50 mm	
MOTOR SPECIFICATIONS	0.25HP/230V/3PH/50Hz x 2 nos	
POWER SUPPLY	220V/1PH	
MACHINE SIZE (L x W x H MM)	500 x 400 x 950	500 x 400 x 1150
NET WEIGHT (KGS)	75	

*Specifications subject to change without notice

DUST COLLECTOR



SALIENT FEATURES

- All stainless steel construction
- Manufactured as per GMP standards

TECHNICAL SPECIFICATIONS

MODEL	DE-100
SUCTION CAPACITY	120 CFM (240m ³ /hr)
NO. OF BAGS	1
FILTRATION AREA	4200 Sq. cm.
DUST COLLECTION AREA	20 Liters
COLLECTION DRUM	SS 316
CONSTRUCTION	SS 304
INLET	4 nos. - 38mm Diameter
MOTOR RATING	2HP / 3PH
MACHINE DIMENSIONS	455mm x 625mm x 1405mm
NET WEIGHT	140 kgs
GROSS WEIGHT	140 kgs

MULTI CHAMBER FOODGRADE FEEDER



AVAILABLE FOR

- ADEPT: ADR, ADR Bi-Layer, ASR, MEGA, Mini
- CADMACH: CMD3, CMD4, CMB3 & CMB4, Cadpress I, Cadpress II
- MANESTY: D3, D4, BB3, BB4, B3B
- STOKES: D3, BB2, B2

KEY ADVANTAGES

- Minimises metal contamination
- Eliminates black particles
- Reduces weight variation
- Auto adjusting scrapper blade
- Light weight and easy to fit
- Do not get bent like metal feeders due to mishandling
- Enables you to increase output of your tablet press



SPARES



Cam Plate



Spring Plugs



Anti Rotation Spring Strip



Die Locking Screw



Nylon Plug



Dozzer Assembly



Oil Dripper



Worm



Wedge Assembly



Lower Cam



Feed Frame



Lower Roller Pin



Torque Wrench



Eccentric Pin



Upper Punch Lowering Track



Pressure Roller Assembly



Turret



Tunnel Type Lifting Track



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