



IPSONS  
P H A R M A

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## About Us

IPSONS PHARMA are specialized in crafting unique solutions for our clients complex and strategic requirements for Pharmaceutical plants. The Company believes in constant research to bring out better, faster and economical machines in every category of machinery it manufacture. IPSONS PHARMA are manufacturer for processing system for granulation, drying, mixing, milling, size reducing, blending, tableting, coating as well as process integration and process automation service.

We have gained expertise in offering a quality range of pharmaceutical machinery, laboratory equipments and associated accessories to our clients. Our range includes Autocoater, HSMG, FBS, Vibro Sifter, Multi Mill, Rotary Sifter, Cone Mill, V Blender, Bin Blender, OCB, Roll Compactor, Oscillating Granulator, Product Transfer System, Tablet Inspection Machine, Metal Detector - De Duster (Combo), Colloid Mill (Vertical & Horizontal).



## HIGH SHEAR MIXER GRANULATOR

### FEATURES :

- In compliance with cGMP guidelines.
- Modular design
- Mixing of substances uniformly
- Mixer & Chopper blades.
- Pneumatic operated discharge
- Easy to clean machine
- Fully automatic operation through programmable
- Logic controller (optional)
- Binder addition system (optional)
- Inline Cone mill for uniform granules (optional)
- Flameproof construction (optional)

### TECHNICAL SPECIFICATION :

Model	Gross Capacity	Working Capacity	Revolutions per Minute
IP-HSMG 2 LTR.	2 LTR.	0.8 KG.	350-700
IP-HSMG 5 LTR.	5 LTR.	2 KG.	280-560
IP-HSMG 10 LTR.	10 LTR.	4 KG.	230-460
IP-HSMG 25 LTR.	25 LTR.	10 KG.	185-370
IP-HSMG 50 LTR.	50 LTR.	20 KG.	155-310
IP-HSMG 100 LTR.	100 LTR.	40 KG.	115-230
IP-HSMG 150 LTR.	150 LTR.	60 KG.	100-200
IP-HSMG 200 LTR.	200 LTR.	80 KG.	85-170
IP-HSMG 250 LTR.	250 LTR.	100 KG.	75-150
IP-HSMG 300 LTR.	300 LTR.	120 KG.	75-150
IP-HSMG 400 LTR.	400 LTR.	160 KG.	70-140
IP-HSMG 600 LTR.	600 LTR.	240 KG.	60-120
IP-HSMG 800 LTR.	800 LTR.	320 KG.	55-110
IP-HSMG 1000 LTR.	1000 LTR.	400 KG.	50-100
IP-HSMG 1200 LTR.	1200 LTR.	480 KG.	45-90



## FLUID BED SYSTEM

### TECHNICAL SPECIFICATION :

Model	Gross (based on 0.5 BD)	Working Capacity	C.F.M.
IP-FBS 100 LTR.	100 LTR.	40 KG.	750
IP-FBS 120 LTR.	120 LTR.	60 KG.	750
IP-FBS 150 LTR.	150 LTR.	75 KG.	750
IP-FBS 250 LTR.	250 LTR.	125 KG.	1450
IP-FBS 400 LTR.	400 LTR.	200 KG.	2500
IP-FBS 600 LTR.	600 LTR.	300 KG.	3500
IP-FBS 800 LTR.	800 LTR.	400 KG.	4200
IP-FBS 1000 LTR.	1000 LTR.	500 KG.	4500
IP-FBS 1200 LTR.	1200 LTR.	600 KG.	6200

### FEATURES :

- In compliance with cGMP guideline.
- Modular Design
- Uniform drying with reducing sieve & perforated sheet at the product container
- Online sampling device (optional)
- Fully automatic operation through programmable logic controller (optional)
- Close loop construction (optional)
- Flameproof construction (optional)



Images for reference only

## AUTO COATER

### FEATURES :

- Auto Coater, the next generation Tablet coating system - High efficiency with an extremely clean design & sophisticated controls
- High Efficiency batch coater that ensures continuous productivity with very efficient usage of materials & energy.
- Optimized design for maximum value for money

### TECHNICAL SPECIFICATION :

Model	PAN DIA	BATCH SIZE IN KGS. (Depending upon tablet shape, size & density)	PAN RPM
IPC - 11"	275	0.5 TO 1	5-22
IPC - 12"	305	0.7 TO 2	5-22
IPC - 15"	380	3 TO 5	5-20
IPC - 18"	450	5 TO 10	5-20
IPC - 24"	600	8 TO 15	4-15
IPC - 32"	800	15 TO 30	4-15
IPC - 36"	900	45 TO 70	3-15
IPC - 40"	1000	60 TO 100	3-15
IPC - 48"	1200	80 TO 150	1-12
IPC - 50"	1300	90 TO 175	1-12
IPC - 60"	1500	200 TO 350	1-12
IPC - 66"	1676	350 TO 500	1-12



## OCTAGONAL BLENDER

### TECHNICAL SPECIFICATION :

Model (Liter)	Working Capacity	Revolutions per Minute
OCB R & D 2 LTR. To 25 Ltrs	0.8 kg to 10 KG.	100 (Interchangeable Bins )
OCB 50	20 KG.	2-23
OCB 60	24 KG.	2-23
OCB 75	30 KG.	2-23
OCB 100	40 KG.	2-23
OCB 200	80 KG.	2-23
OCB 250	100 KG.	2-23
OCB 300	120 KG.	2-23
OCB 400	160 KG.	2-23
OCB 600	240 KG.	2-23
OCB 750	300 KG.	2-23
OCB 800	320 KG.	2-23
OCB 1000	400 KG.	2-23
OCB 1250	500 KG.	2-23
OCB 1500	600 KG.	0-18
OCB 1800	720 KG.	0-18
OCB 2000	800 KG.	0-18
OCB 2500	1000 KG.	2-10
OCB 3000	1200 KG.	2-10
OCB 4000	1600 KG.	2-8
OCB 5000	2000 KG.	2-8
OCB 6000	2400 KG.	2-8

### FEATURES :

- In compliance with cGMP guideline.
- Effective blending with help of mixing baffles.
- Quick dismantling of mixing baffles for easy to clean bins and baffles.
- Fully automatic operations through programmable logic controller (Opt.)
- Flameproof construction (optional) ▪ ACVFD as an optional feature.
- Safety Railing

Panel	SS 304 having VFD for speed control ON/OFF push button and emergency off process timer RYB indicator etc.
Discharge Valve	Butterfly Valve SS 316



## “V” BLENDER

### FEATURES :

- Suitable for dry mixing of products in powder form.
- Easy for loading and unloading
- Easy for cleaning
- All contact parts are made out of SS316 or Ss316 L quality material, as per customer requirement.
- Fully automatic operations through programmable logic controller (optional)

### TECHNICAL SPECIFICATION :

Model (Ltrs.)	Working Capacity	Revolutions per Minute
VB R & D 2 LTR. To 25 Ltrs	0.8 kg to 10 KG.	100 (Interchangeable Bins )
VB 50	20 KG.	2-23
VB 60	24 KG.	2-23
VB 75	30 KG.	2-23
VB 100	40 KG.	2-23
VB 200	80 KG.	2-23
VB 250	100 KG.	2-23
VB 300	120 KG.	2-23
VB 400	160 KG.	2-23
VB 600	240 KG.	2-23
VB 750	300 KG.	2-23
VB 800	320 KG.	2-23
VB 1000	1400 KG.	2-23
VB 1250	500 KG.	2-23
VB 1500	600 KG.	0-18
VB 1800	720 KG.	0-18
VB 2000	800 KG.	0-18



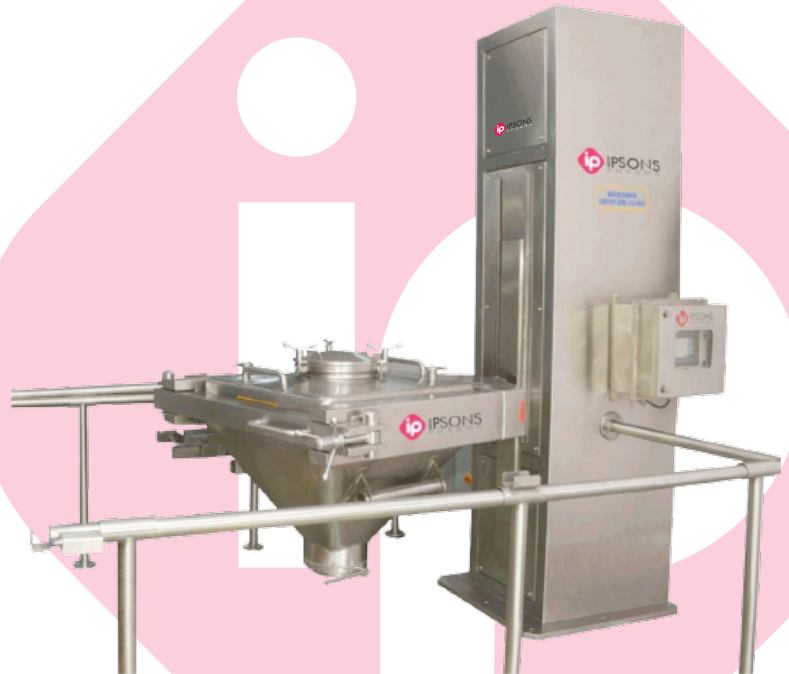
## BIN BLENDER

### TECHNICAL SPECIFICATION :

Model (Ltrs)	Working Capacity	Revolutions per Minute
BB R & D 2 LTR. To 25 Ltrs	0.8 kg to 10 KG.	100 (Interchangeable Bins )
BB 50	20 KG.	2-23
BB 60	24 KG.	2-23
BB 75	30 KG.	2-23
BB 100	40 KG.	2-23
BB 200	80 KG.	2-23
BB 250	100 KG.	2-23
BB 300	120 KG.	2-23
BB 400	160 KG.	2-23
BB 600	240 KG.	2-23
BB 750	300 KG.	2-23
BB 800	320 KG.	2-23
BB 1000	400 KG.	2-23
BB 1250	500 KG.	2-23
BB 1500	600 KG.	2-23
BB 1800	720 KG.	2-23
BB 2000	800 KG.	2-12
BB 2500	1000 KG.	2-12
BB 3000	1200 KG.	2-12

### FEATURES :

- Reduces blend times
- Total product containment
- Immediate product changeover
- Zero blender cleaning
- Eliminate Airborne and class contamination
- Eliminate product segregation
- Eliminate spillage risks





### TECHNICAL SPECIFICATION :

Capacity	R & D Production (5 ltrs. to 16000 ltrs.)
Container Shape	Central
Panel	SS 304 having VFD for speed control ON/OFF push button and emergency off process timer RYB indicator etc.
Discharge Valve	Manual Butterfly Valve SS 316

### FEATURES :

- Compact model
- The conical shape at both ends enables uniform mixing and easy discharge.



## DOUBLE CONE BLENDER

### TECHNICAL SPECIFICATION :

Model (Ltrs)	Working Capacity	Revolutions per Minute
DCB R & D 2 LTR. To 25 Ltrs	0.8 kg to 10 KG.	100 (Interchangeable Bins)
DCB 50	20 KG.	2-23
DCB 60	24 KG.	2-23
DCB 75	30 KG.	2-23
DCB 100	40 KG.	2-23
DCB 200	80 KG.	2-23
DCB 250	100 KG.	2-23
DCB 300	120 KG.	2-23
DCB 400	160 KG.	2-23
DCB 600	240 KG.	2-23
DCB 750	300 KG.	2-23
DCB 800	320 KG.	2-23
DCB 1000	400 KG.	2-23
DCB 1250	500 KG.	2-23
DCB 1500	600 KG.	0-18
DCB 1800	720 KG.	0-18
DCB 2000	800 KG.	0-18
DCB 2500	1000 KG.	2-12
DCB 3000	1200 KG.	2-12

## MULTI MILL

DIRECT DRIVE / BELT DRIVE

### TECHNICAL SPECIFICATION :

Model	3 HP	5 HP	7.5 HP
Output (kgs./hr.)	50 to 200	100 to 400	200 to 600
Charging Height	1470mm	1500mm	1650mm
Discharging Height	770mm	780mm	800mm

### FEATURES :

- Multiple speed drive of beaters can be adjusted through variable frequency drive (VFD)
- Easy dismantling & cleaning
- Effortless portability with the help of castor wheels
- Direction of blade rotation can be changed
- Multiple combination of perforated screen, speed, number of blades
- Close Loop System



## PRODUCT TRANSFER SYSTEM

### TECHNICAL SPECIFICATION :

Capacity	800 to 1000 kgs. / Hr. - 2000 kgs. / Hr.
Filter Element	Fitted inside the main shell and made out from PC satin
Filter Sealing	Through Silicon Gasket



## METAL DETECTOR & DE DUSTER COMBO

(DIGITAL VERSION)

### TECHNICAL SPECIFICATION :



<b>Metal Detector (Digital)</b>	
Output (8mm Dia)	3 lakhs - 4 lakhs / Hr.
Aperture Size	Width - 75mm, Height - 25mm
Reject Mechanism	Solenoid Operated
Rejection Type	Flap Type
<b>Elevating De Duster</b>	
Elevating Trays	4 / 9 Trays
Output (8mm Dia)	3 lakhs - 4 lakhs / Hr.
Tablet Support	Min 5mm and Max 40mm
Travel Time	2.25 meter approx.

## VIBRO SIFTER

SINGLE DECK / DOUBLE DECK

### TECHNICAL SPECIFICATION :

MODEL	12 Inch	24 Inch	30 Inch	48 Inch	60 Inch
Output (kgs./hr)	1 to 25	50 to 200	50 to 250	50 to 1000	500 to 1500
Screen Diameter	305mm	610mm	750mm	1200mm	1520mm
Charging Height	665mm	1070mm	1270mm	1300mm	1440mm

WITH HMI



WITH CONTROL PANEL



## OSCILLATING GRANULATOR

### TECHNICAL SPECIFICATION :

Model	IPS - OSG - 250
Output	250 to 275 kg./Hr. depend on product & Screen
Oscillation	Depends upon model
Starter	VFD

### FEATURES :

- Guarantees Product Integrity
- Tamper Proof
- Cost - Effective
- Accurate Dosage
- Improves Identification



## TABLET INSPECTION BELT

### TECHNICAL SPECIFICATION :

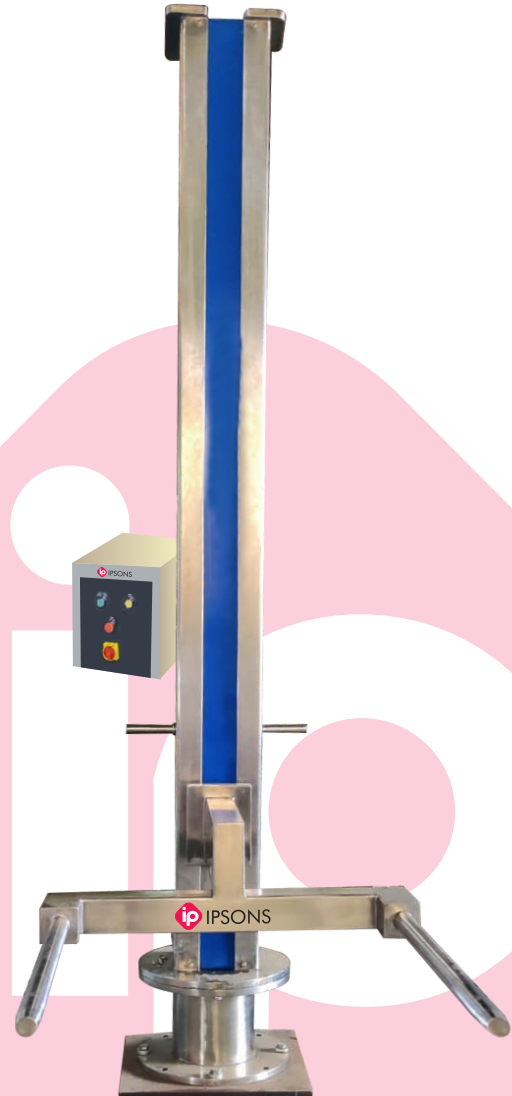
Output	75,000 Tabs./ Hr. depending upon size and shape of tablet and speed conveyor belt
Sides of Tablet Inspection	Both Sides of Tablets
Direction of conveyor	Intermediate drive
Vibrator	Electromagnetic Vibratory Feeder



## LIFTING & POSITIONING DEVICE

### TECHNICAL SPECIFICATION :

DESCRIPTION	SPECIFICATION
Equipment	Lifting & Positioning Device
Safe Working Load Capacity	Upto 500kg (can change as per requirement)
Application	Lift & Discharge the material to various process control machines / systems
Material of Construction	Product non-contact parts : SS 304 & MS with SS 304 cladded
Control System	Control system inbuilt with operating panel



## CONE EXTRUDER with SPHERONIZER

### TECHNICAL SPECIFICATION : (Extruder)

Model	IP-SSE-60	IP-SSE-100	IP-TSE-60	IP-TSE-100	IP-TSE-130
BATCH	6kg/Hr	20kg/Hr	60kg/Hr	100kg/Hr	150kg/Hr
Cap./kgs.					

### TECHNICAL SPECIFICATION : (Spheronizer)

Model	SPH - 150	SPH - 250	SPH - 380	SPH - 500	SPH - 700	SPH - 900
BATCH	3 kg. / hr.	12 kg. / hr.	36 kg. / hr.	100 kg. / hr.	250 kg. / hr.	600 kg. / hr.
Cap./kgs.						



## TABLET COMPRESSION MACHINE

### TECHNICAL SPECIFICATION :

MODELS	IPS TP-30	IPS TP-37	IPS TP-45	IPS TP-61
No. of stations	30	37	45	61
Tooling	D	D	B	BB
Tablet diameter (max.) in mm	25	23	13	13
Tablets / hr (max.)	1,80,000	2,66,400	2,05,000	4,39,200
Turret RPM (Max)	25/100	60	60	60
Max. compression in tons	10	10	6.5	6.5

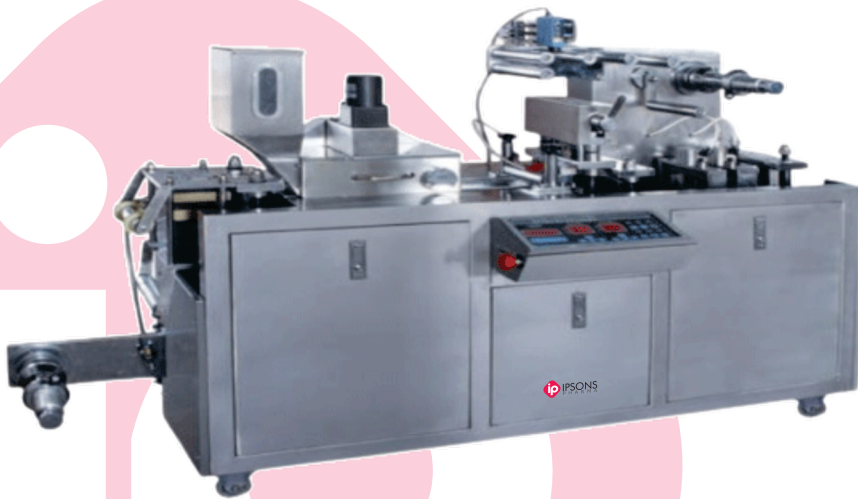




## BLISTER PACKING MACHINE

TECHNICAL SPECIFICATION :

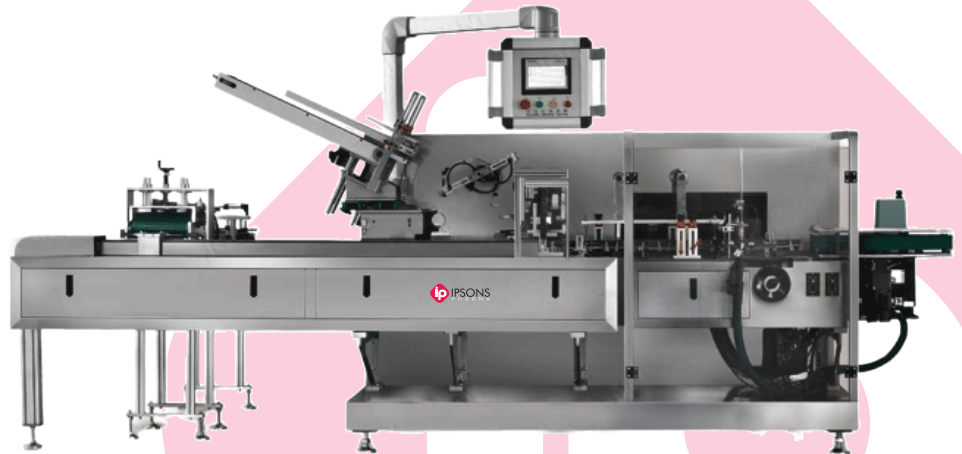
DESCRIPTION	COLD FORM ALU-ALU	THERMOFORMING (WHEN FITTED)
Forming Depth.	12mm	12mm
Machine Speed	35 Cycles / Min.	40 Cycles / Min.
Approx. Machine Dimension	With Conveyor Length : 4200mm without conveyor Length : 3600 mm Width : 1100mm Height : 1800mm	
Net Weight Approx.	1800 kgs.	



## CARTONING MACHINE

### TECHNICAL SPECIFICATION :

Capacity	120 Cartons Per Min
Material	Mild Steel
Automation Grade	Automatic
Phase	3 Phase
Frequency	50-60 Hz
Voltage	210-480 V



## DUST COLLECTOR with CAPSULE POLISHING MACHINE

### DUST COLLECTOR

### TECHNICAL SPECIFICATION :

Airflow (m3/h or CFM)	110CFM
Power Supply	1 H.P.
Electric Characteristic	440 Volts, 3 Phase
Floor Space	635 mm (L) x 885mm (W) x 1200mm (H) approx.
Net Weight	60 kgs approx.

### CAPSULE POLISHING MACHINE

### TECHNICAL SPECIFICATION :

Output	Upto 90000 Capsules / Hour
Power Supply	1 H.P.
Electric Characteristic	220 Volts, 1 Phase
Floor Space	1000 mm (L) x 550mm (W) x 1000mm (H) approx.
Net Weight	70 kgs approx.



## OUR VALUABLE CUSTOMERS



and still counting..



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