



Moulding Machines

Dhanalakshmi's engineering expertise coupled with the in-depth knowledge of the requirements of the perfect moulds has resulted in bringing out the highly efficient and fast Simultaneous Jolt Squeezing Machines are engineered with utmost care to improve your productivity many folds with affordable cost.

Special Features:

- Sturdily built with SG iron and steel castings
- Simultaneous jolt and squeeze for high productivity/mould strength
- Free floating Anvil for shockless jolting
- High frequency low amplitude jolting
- Engineered for easy maintenance
- Centralized auto lubrication during each cycle
- Gradual lifting and simultaneous vibration for improved separation of the mould from the pattern
- Precisely guided pin lift flats arrangement with hydro pneumatics
- Automatic operation complete pneumatic, electro-pneumatic or PLC controls

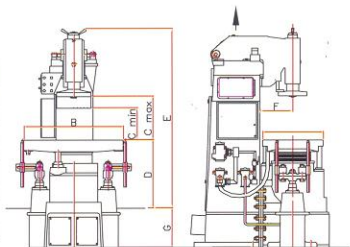


Technical Specifications

MODEL	DL- 200	DL- 300	DL- 450	DL- 900
Jolt Capacity	200 kgs	300 kgs	450 kgs	900 kgs
Pattern Draw	200 mm	220 mm	300 mm	340 mm
Squeeze Stroke	130 mm	130 mm	140 mm	170 mm
Static Squeeze Pressure	4000 kgs	5000 kgs	8000 kgs	16000 kgs
Dynamic Squeeze Pressure	12000 kgs	15000 kgs	24000 kgs	40000 kgs
Air Supply Pipe to the M/c	1 1/2"	1 1/2"	2"	2"
Table Size	510x800mm	580x960mm	680x1050mm	980x1280mm
Net Weight of the M/c Appx	1950 kgs	2700 kgs	3900 kgs	8100 kgs

Machine Dimensions

M/C Size	DL- 200	DL- 300	DL- 450	DL- 900
A	510	580	680	980
B	800	960	1050	1280
C Min	210	310	300	500
Max	350	450	500	870
D	740	670	700	780
E	1650	1850	1980	2620
F	295	310	370	520
G	240	400	620	940





CORE SAND MIXER

Sand Mixer is being used in many foundries for making cores for various processes as well as for ramming mass mixing.

Special Features:

- Heavy duty sand mixers are rigid in construction and easy to maintain
- Mixer pan is protected with replaceable wear plates in the bottom as well as in the side wall up to the scrapper height
- Two scrapers are brazed with tungsten carbide tips
- Extremely rugged construction for longer life
- Smooth & maintenance free operation

Technical Specifications

MODEL	Batch Capacity	Pan dia mm	Pan Height mm	Power Kw	Gear Box
DS - 50	50 kgs	550	375	2.2	V3
DS - 100	100 kgs	700	500	3.7	V4
DS - 150	150 kgs	900	550	5.5	V5
DS - 200	200 kgs	1100	550	7.5	V6
DS - 250	250 kgs	1250	550	11	V7
DS - 500	500 kgs	1600	700	15	V9



SAND MULLER

Dhanalakshmi's Sand Mixer / Mullers are fixed with adjustable solid wheels to give the required sand strength & compactness.

Technical Specifications

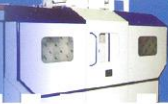
MODEL	Batch Capacity	Pan dia mm	Pan Height mm	Wheel dia mm	Gear Box	Power KW
DM - 150	150 kgs	1150	550	400x125	V5	5.5
DM - 250	250 kgs	1250	600	500x125	V7	11
DM - 500	500 kgs	1650	750	625x150	V9	15
DM - 750	750 kgs	1750	800	750x200	V10	18.5
DM - 1000	1000 kgs	2400	900	850x300	V11	22

Ranges : 150 kgs to 1000 kgs batch capacities



Special Features:

- Sturdy construction
- Designed for easy maintenance
- Muller pan is protected with replaceable wear plates in the bottom as well as in the side wall up to the scrapper height.
- Two scrapers are brazed with tungsten carbide tips



SHOT BLASTING MACHINE

Our monorail Shot Blasting Machines are built rigidly with adequate thick M.S. plates and suitably reinforced. The chamber has been provided with double wing doors diametrically opposite to each other. The opening & closing of these doors are through hydro pneumatic cylinders.

The wear resistant Ni-hard/manganese plates are mounted on the portion which is in the direct blasting zone. Remaining portions are lined with replaceable rubber liners.

Ranges : 250 kgs 2000 kgs batch capacities

Special Features:

- Sturdy construction
- Wear resistant plate in the area directly exposed to shot stream
- Easy and quick replace of blades
- Precise setting of shot stream for effective blasting
- Variation of the overhead conveyor to suit specific needs
- Complete with dust extraction system
- High rate of shots through put
- Efficient dust collection system with Fabric filter bags



Machines can also supply with

- Fully Automatic/Semi-automatic cycle system
- PLC controls
- High manganese liners for the cabin
- Cassette type dust collector

Technical Specifications

MODEL	DL - 12	DL - 14	DL - 18	DL - 20
Cabin Size	1200x1350x1200	1400x1500x1900	1800x2000x2400	2500x2800x3000
Load carrying capacity	250 kgs	500 kgs	1000 kgs	2000 kgs
Impeller Wheels	1 x 380 Ø	2 x 380 Ø	2 x 380 Ø	3 x 380 Ø
Power of Wheel	1 x 7.5 KW	2 x 11 KW	2 x 15 KW	3 x 15 KW
Maximum height of job	1000 mm	1250 mm	1600 mm	2200 mm
Exhaust air M ³ /min	100	130	250	270
Throughput tonnes/hour	1 - 1.5	1 - 3	2 - 5	4 - 6
Diameter of turning circle	900 mm	1000 mm	1500 mm	1800 mm

KNOCKOUT VIBRATORS

We manufacture knockout vibrators with eccentric shaft mechanism as well as with unbalanced vibro motors.

Range : 500 kgs to 5 Tons.

- Sturdy construction to withstand vibration.
- Rigid grid trough
- Heavy duty springs

Vibratory Sand Siever

Our vibratory sieve with eccentric shaft system as well as with unbalanced vibro motors ensure efficient sieving of sand. Range : 3 ton/hr to 10 ton/hr.





COLD BOX CORE SHOOTER

Dhanalakshmi Core Shooters known for their ruggedness and durability, operate with Cold box (gas cured) processes. The advantage of the cold box process is the speed at which high quality cores can be cured and stripped from the machine. The machine is supplied with PLC controls and each operating cycle is programmed by adjustable timers and initiated by pressing the push button. Manual operation is available for setting purposes by selecting each stage of the cycle at the control panel.

Special Features:

- Sturdy construction
- Dry compressed air works as amine gas carrier
- Large fast-acting blow valve to handle tough cores
- Built-in air supply tank
- Interchangeable shoot head
- Volumetric Dosing Pump with controls for various cores
- Highly productive and most economical



Technical Specifications

MODEL	DC-3	DC-5	DC-10	DC-15	DC-25
Core Box Dimensions (mm)	300x200x200	300x200x250	400x300x250	500x300x400	600x400x400
Max. Core Weight(Kgs)	3	5	10	15	25
Mixed Sand Hopper Capacity (kgs)	50	50	70	100	150
Air Pressure kg/cm ²	5 - 6	5 - 6	5 - 6	5 - 6	5 - 6
Air Consumption per cycle at 6 kg/cm ²	18 lit	20 lit	60 lit	70 lit	85 lit
Operating Voltage	230V	230V	230V	230V	230V
Connecting Load	2 KW	2 KW	2 KW	3 KW	10 KW
Clamping	Pneumatic	Pneumatic	Pneumatic	Pneumatic/ Hydraulic	Pneumatic/ Hydraulic

INTENSIVE SAND MIXER

Our efficient Intensive Sand mixers give a perfect homogenous mixing of sand for the preparation of moulds.

Technical Specifications

MODEL	Batch Capacity	Pan dia mm	Pan Height mm	Drive Motor KW	Stirrer Motor KW	Gear Box
DI - 150	150 kgs	1150	600	5.5	2.2	V5
DI - 250	250 kgs	1250	700	11	5.5	V7
DI - 500	500 kgs	1650	900	18.5	7.5	V9
DI - 1000	1000 kgs	2000	1300	37.5	15	V12

Ranges : 150 kgs to 1000 kgs batch capacities



Special Features:

- Extremely rugged construction for longer life
- Highly efficient mixing
- Smooth & maintenance free operation
- Blades are brazed with tungsten carbide tips
- Shell bottom is protected with replaceable wear resistant plate
- Can be supplied with skip charger. Auto cycle with water addition system