

Since-1994

KELSONS®

When You Think Foundry...Think KELSONS

Grow your
BUSINESS
with our
FOUNDRY
Equipment



PRODUCTS RANGE FOR

- ▶ Sand Plant & Allied Equipment
- ▶ Ladle & Metal Handling Equipment
- ▶ Core Shooters & Allied Equipment
- ▶ Shot Blasting & Fettling
- ▶ Nobake Equipment.
- ▶ Testing - Sand & Metal

Auto Mould Handling



Pouring System



Bucket Elevator,
Polygonal Siever
with Cooler

Vibro Knock Out



Vibro Knock Out-Top



Vibro Feeder



Vibro Sand Cooler



Polygonal Siver



Tumblast



Swing Frame Grinder
16"-18"- 20"- 22"



Pedestal Grinder
with Dust
Collection System



Core Painting Unit-
Bath & Dip Type.



Rotary Sand Drier
LPG & Diesel



Core Oven



Lumps Breaker - Attrition Type
Up to 2 Ton / Hour



Lumps Breaker - Attrition Type
Up to 10 Ton / Hour



Core Sand Mixer



PRODUCT RANGE

SAND PLANT & ALLIED EQUIPMENT

Knock Out Machine, Punch Out, Auto Mould Handling, Belt Conveyor, OBMS, Bucket Elevator, Polygonal Siever, Sand Cooler, Hopper, Moulding Boxes, Pallet Cars, Transfer Trolley, Pouring Monorail Structure, Intensive Mixer, Sand Muller, Sand Aerator, Skip Charger, Sand Siever, Pin Lift Moulding M/c, Pneumatic Moulding M/c.

CORE SHOOTERS & ALLIED EQUIPMENT

Core Sand Mixer, Sand Drier, Cold Box Core Shooter, Core Painting Unit, Core Oven, Liquid Resin Sand Coating Plant, Shell Core Shooter, Shell Moulding M/c, Shell Mould Fuser, Shell Core Blower.

LADLE & METAL HANDLING EQUIPMENT

Hand Shank Ladle, Lip Pouring Ladle, Tea Spout Pouring Ladle, Bottom Pouring Ladle, Drum Type Ladle, SG Treatment Ladle, Auto Pour Ladle, Cupola (Divided Blast) Cupola Charger.

SHOT BLASTING & FETTLING

Shot Blast Machine, Grinder & Apron Conveyor.

TESTING - SAND & METAL TESTING



Leading Manufacturers & Exporters of
Full Range of Foundry Equipment, Sand Testing Equipment, Metal Testing Equipment & Nobake Equipment.

KELSONS ENGINEERS & FABRICATORS

Plot No. E-22, 23, 26, 28, 45, MIDC, Shirol, Kolhapur - 416 122 Maharashtra. (INDIA) Tel : +91 230 2460156 Mob : +91 9822112162

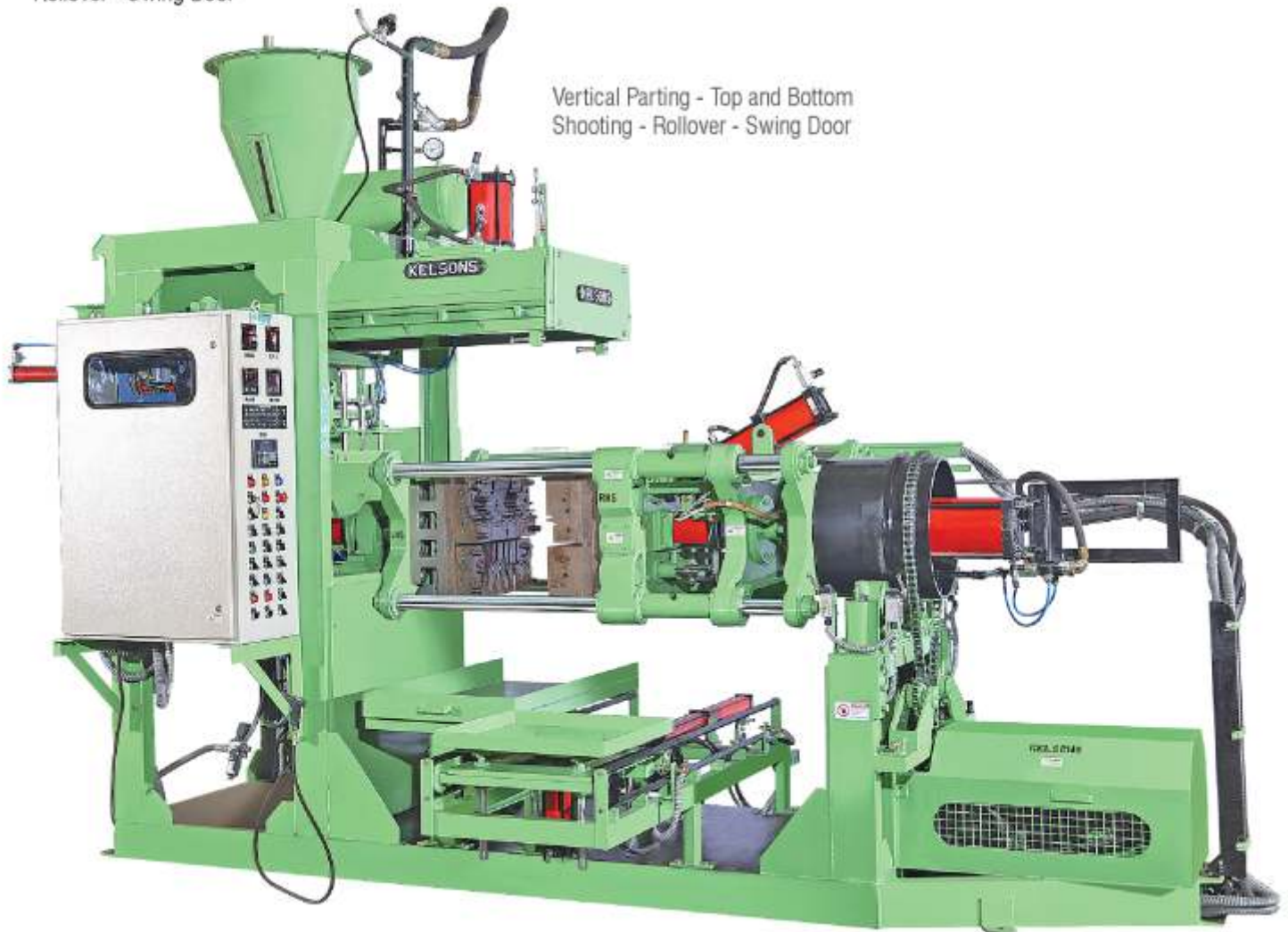
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SHELL CORE SHOOTERS

TYPES OF SHELL CORE SHOOTERS

Fully Automatic Machines

1. Vertical Parting Top Shooting
2. Vertical Parting Top Shooting - Core Tilting Trolley Type
3. Horizontal Parting Top Shooting
4. Rollover Vertical Parting Shooting
5. Rollover - Vertical Parting - Swing Door
6. Vertical Parting - Top and Bottom Shooting-
Rollover - Swing Door



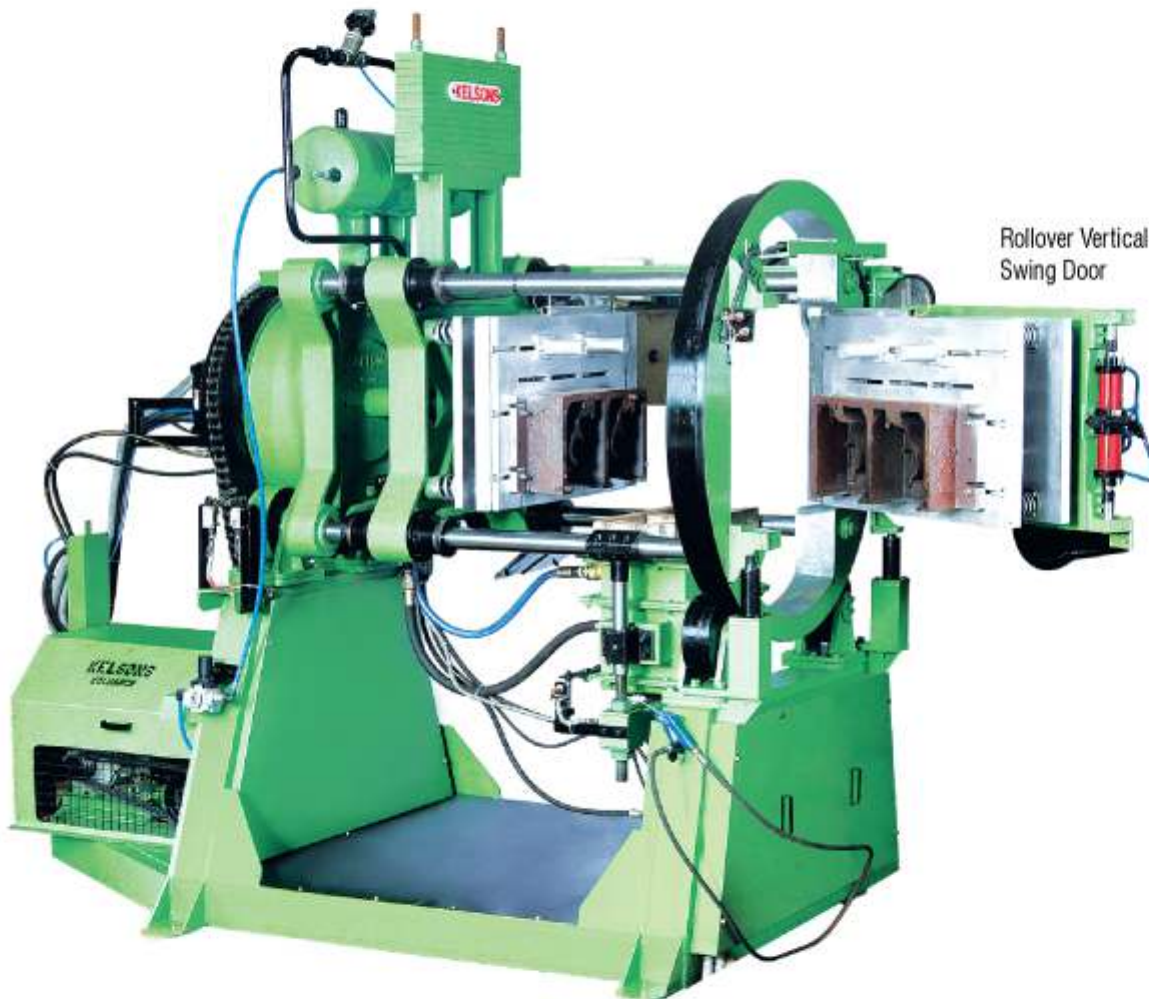
All Shell Core Shooter & Shell Moulding are as Per Standard Sizes & Other Customised Also Available

Leading Manufacturers & Exporters Of : Full Range Of Foundry Machines, Sand Testing Equipment, Metal Testing Equipment & Nobake Equipment.

Rollover Vertical Parting
Shooting Machine



Rollover Vertical Parting
Swing Door



TECHNICAL DATA

MODEL	HEATER PLATE SIZES			
Vertical Parting Top shooting	KCS-FA- VP-300x600	KCS-FA-VP- 400x400	KCS-FA- VP-400x600	KCS-FA- VP-500x600
Horizontal Parting Top Shooting	KCS-FA- HP-400x400	KCS-FA-HP- 400x600	KCS-FA- HP -500x600	KCS-FA- HP-600x600
Rollover Vertical Parting Shooting	KCS-FA- RO-VP-300x400	KCS-FA-RO- VP-400x600	KCS-FA- RO-VP-600x600	KCS-FA- RO-VP-500x700
Rollover - Vertical Parting - Swing Door	KCS-FA- RO-VP-SD-500x700	KCS-FA-RO- VP-SD-600x900		
Vertical Parting - Top & Bottom Shooting- Rollover - Swing Door	KCS-FA- VP-TSBS-RO-SD-450x450	KCS-FA- VP-TSBS-RO-SD-550x550	KCS-FA- VP-TSBS-RO-SD-600x600	

SALIENT FEATURES

- ▶ High process reliability & Environmental sustainability.
- ▶ Robust Design, High Dimensional Accuracy.
- ▶ Flexible, Good Productivity & Quality Machines
- ▶ Facility of auto repeat cycle operation.
- ▶ Vertical/Horizontal & Multi part core box capability.
- ▶ Auto/Manual mode selection facility.
- ▶ Heavy-duty bars for core box carriage plates.
- ▶ Safety interlocks incorporated in the control system.
- ▶ All movements by means of pneumatic cylinders.
- ▶ PLC control, MMI Interface, Efficient shooting system.

Vertical Parting Top Shooting
Core Tilting Trolley Type



Vertical Parting
Top Shooting



Horizontal Parting
Top Shooting

RESIN COATING PLANT

CAPACITIES

75 kg, 150 kg, &
300 kg



SHELL FUSER



SHELL MouldING

MODELS

KSM-FA-16x16, KSM-FA-20x20
KSM-FA-20x22, KSM-FA-20x24



PRODUCT RANGE

SAND PLANT & ALLIED EQUIPMENT

Knock Out Machine, Punch Out,
Auto Mould Handling,
Belt Conveyor, OBMS,
Bucket Elevator,
Polygonal Siever, Sand Cooler,
Hopper, Moulding Boxes,
Pallet Cars, Transfer Trolley,
Pouring Monorail Structure,
Intensive Mixer, Sand Muller,
Sand Aerator, Skip Charger,
Sand Siever, Pin Lift Moulding M/c
Pneumatic Moulding M/c.

CORE SHOOTERS & ALLIED EQUIPMENT

Core Sand Mixer, Sand Drier,
Cold Box Core Shooter,
Core Painting Unit, Core Oven,
Liquid Resin Sand Coating Plant,
Shell Core Shooter,
Shell Moulding M/c,
Shell Mould Fuser,
Shell Core Blower.

LADLE & METAL HANDLING EQUIPMENT

Hand Shank Ladle,
Lip Pouring Ladle,
Tea Spout Pouring Ladle,
Bottom Pouring Ladle,
Drum Type Ladle,
SG Treatment Ladle,
Auto Pour Ladle,
Cupola (Divided Blast)
Cupola Charger.

SHOT BLASTING & FETTLING

Shot Blast Machine,
Grinder & Apron Conveyor.

TESTING - SAND & METAL



www.kelsonsgroup.com

Leading Manufacturers & Exporters of
Full Range of Foundry Equipment, Sand Testing Equipment, Metal Testing Equipment & Nobake Equipment.

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LADLES

Leading Manufacturer & Exporter's of Ladles, Ladle Preheaters
& Molten Metal Handling Equipment

Since-1994

KELSONS[®]

When You Think Foundry...Think KELSONS

**LARGE CAPACITY
LADLES
UPTO 25 Mt.**

**FOR FERROUS &
NON FERROUS
FOUNDRIES**

SG Treatment
Ladle



Bottom Pouring
Ladle



SG Treatment
Ladle



More Than 3000 Ladles are Working Satisfactorily Globally

All Ladles are as per IS Standards & Customised Ladle

Leading Manufacturers & Exporters of : Full Range of Foundry Machines, Foundry Sand Testing Equipment & Foundry Metal Testing Equipment.

LADLE FEATURES

- ▶ We manufacture ladles up to 25 tons.
- ▶ All ladles comply with IS standards.
- ▶ Durable and customizable designs meet specific needs.
- ▶ Made with advanced materials for longevity.
- ▶ Ensure efficient handling of molten metals.
- ▶ Supplied globally for various molten metals.

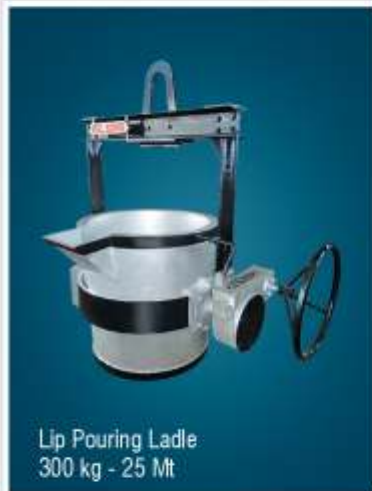
LADLE GEARBOXES

- ▶ We manufacture durable and efficient gearboxes.
- ▶ Gearboxes are made with advanced materials.
- ▶ Customizable designs meet specific needs.
- ▶ They offer superior torque handling capabilities.
- ▶ Designed for low maintenance and reliability.
- ▶ Fully compliant with global standards.

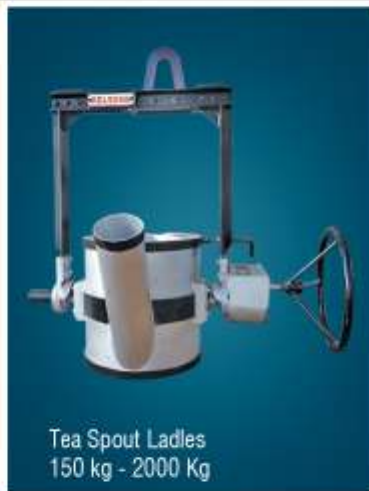


Ladle Preheaters

500 kg to 15 Mt - Diesel & Gas Fired - LPG & PNG



Lip Pouring Ladle
300 kg - 25 Mt



Tea Spout Ladles
150 kg - 2000 Kg



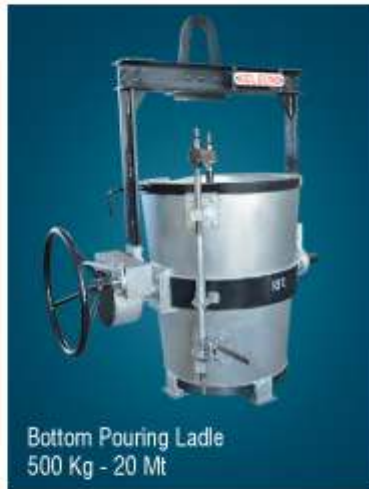
Filter Type Ladle
100 Kg - 4 Mt



SG Treatment cum Pouring Ladle
300 Kg - 2 Mt



Forklift Ladle
300 Kg - 5 Mt



Bottom Pouring Ladle
500 Kg - 20 Mt



Auto Pour Ladle
500 Kg - 1500 kg



Cored Wire SG Treatment Ladle
500 - 3000 kg

Ladle & Metal Handling Equipment : Hand Shank Ladles, Lip Pouring Ladles, Tea Spout Pouring Ladles, Bottom Pouring Ladles, Drum Type Ladles, SG Treatment Ladles, Auto Pour Ladles, Cored Wire Ladles, Bail Arms, Only Shell, Ladle Reusable Lining Formers, Ladle Transfer Cars, Ladle Preheaters & Molten Metal Handling Equipment & Customised Solutions.

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INTENSIVE MIXER

CAPACITIES

300, 500, 600,
750 & 1000 kg

Since-1994

KELSONS®

When You Think Foundry...Think KELSONS



Intensive Mixer - 1000 kg



Intensive Mixer with KOC

Leading Manufacturers & Exporters of : Full Range of Foundry Machines, Foundry Sand Testing Equipment, Foundry Metal Testing Equipment & Nobake Equipment.

SALIENT FEATURES

- ▶ Sturdy construction ensures durability and long operational life
- ▶ Easy maintenance designed for preventive and routine upkeep
- ▶ Inside ceramic lining enhances wear resistance and longevity
- ▶ Homogeneous sand mixing system leading to superior sand quality with uniform strength
- ▶ Optimized mixing reduces binder consumption while maintaining high efficiency
- ▶ Environmental friendly, minimizes dust formation, reducing additive loss and improving workplace cleanliness
- ▶ Easy access to all wear parts for quick replacement
- ▶ Fully Automatic Control Panel for precise operations
- ▶ Auto Water Dosing Panel ensures optimal moisture control
- ▶ Equipped with a precise Load cell (Weighing) system for accurate batch weighing ensuring consistency in sand preparation

TECHNICAL DATA

TYPE	KIM-1000-120	KIM-750 -100	KIM-600-75	KIM-500-40	KIM-300-20
Dimensions in mm					
A Diameter	1900	1900	1600	1600	1300
B Height of Mixer	4200	4065	3870	3730	2425
Batch Specifications					
Batch Capacity (Max.)	1000 Kg	750 Kg	600 Kg	500 Kg	300 Kg
Cycle time	90 -120 S	90 -120 S	90 -120 S	90 -120 S	90 -120 S
Batch/Hour	36	36	36	36	30
Mixing Rate	30 T/h	22.5 T/h	21 T/h	18 T/h	9 T/h
Vessel Cap. Used+New Sand	1.0M ³	1.0M ³	0.7M ³	0.7M ³	- - -
Mixing Power					
Drive Power (HP)	120	100	75	40	20
Blenders Power					
Drive Power (HP)/ Number	30+30	20+20	30	20	7.5
Total Weight : Approx	12000 Kg	10500 Kg	7000 Kg	5500 Kg	2500 Kg
Optional Accessories					
Ceramic Lining, Mechanical Charger, Load Cell System & Control Panel.					

Sand Plant & Allied Equipment : Knock Out Machine, Punch Out, Auto Mould Handling, Belt Conveyor, OBMS, Bucket Elevator, Polygonal Siever, Sand Cooler, Moulding Boxes, Pallet Cars, Transfer Trolley, Pouring Monorail, Intensive Mixer, Sand Muller, Sand Aerator, Skip Charger, Sand Siever, Pin Lift Moulding M/c & Pneumatic Moulding M/c. **Core Shooters & Allied Equipment :** Core Sand Mixer, Sand Drier, Cold Box Core Shooter, Core Painting Unit, Core Oven, Liquid Resin Sand Coating Plant, Shell Core Shooter, Shell Moulding M/c, Shell Mould Fuser, Shell Core Blower. **Ladle & Metal Handling Equipment :** Hand Shank Ladle, Lip Pouring Ladle, Tea Spout Pouring Ladle, Bottom Pouring Ladle, Drum Type Ladle, SG Treatment Ladle, Auto Pour Ladle, Cupola (Divided Blast) Cupola Charger.

Shot Blasting & Fettling : Shot Blast Machine, Grinder & Apron Conveyor. **Testing :** Sand & Metal Testing

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COLD BOX CORE SHOOTERS

Since-1994

KELSONS®

When You Think Foundry...Think KELSONS

CAPACITIES

3 to 100 kg of Core Weight

MODEL - Pneumatic / Hydraulic

1. Horizontal Parting
2. Vertical Parting
3. Universal Model
4. Two Station
5. Three Station
6. Customised



Horizontal Parting

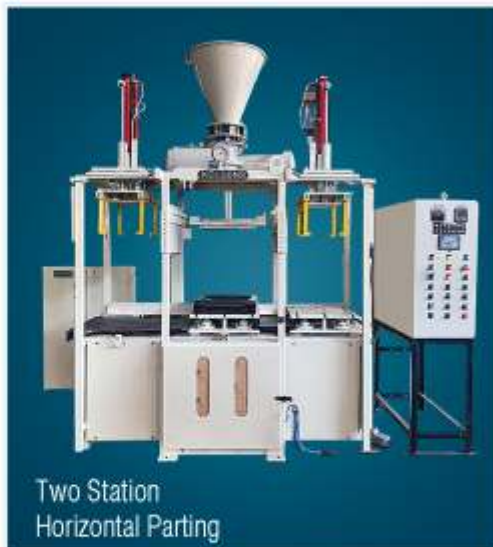
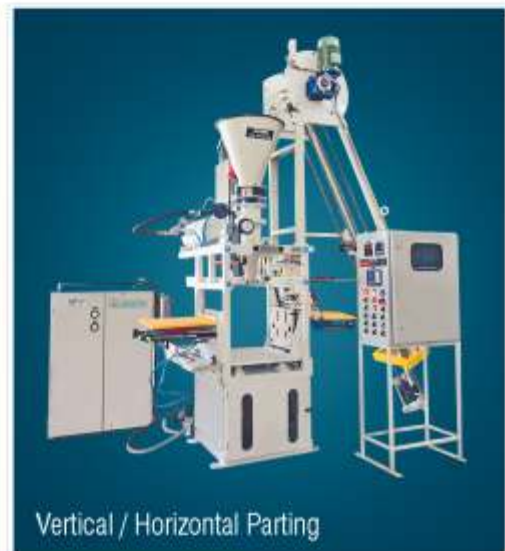
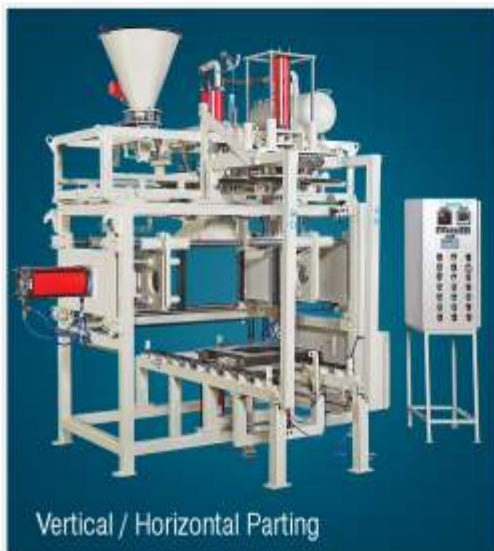
Cold Box Core Shooter - 100 kg

All Cold Box Core Shooter Are As Per Standards Sizes & Other Customised Also Available

Leading Manufacturers & Exporters of : Full Range of Foundry Machines, Sand Testing Equipment, Metal Testing Equipment & Nobake Equipment.

SALIENT FEATURES

- ▶ Compact and Robust Design – Built for durability and long-lasting performance.
- ▶ High Dimensional Accuracy & Precision – Ensures uniform and precise core production.
- ▶ Fully Automatic Operations – Enhances efficiency and reduces manual intervention.
- ▶ PLC-Based User-Friendly Interface – Provides easy operation with minimal training.
- ▶ High-Speed & Efficient Core Production – Delivers faster cycles for increased output.
- ▶ Environmental Protection Features – Minimizes emissions and material wastage.
- ▶ Integrated Safety Measures – Ensures operator safety and prevents accidents.
- ▶ Easy Maintenance & Accessible Components – Designed for quick servicing and minimal downtime.
- ▶ Data Logging System – Records key production parameters for better process control.
- ▶ Industry 4.0 Ready – Supports real-time monitoring and smart automation.



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SHOT BLAST MACHINES

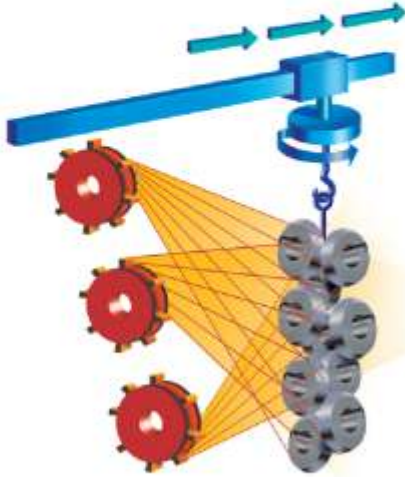
CAPACITIES

300, 500 kg, 1T, 2T, 5T

Since-1994

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KSBM - FA - 500 kg

Leading Manufacturers & Exporters of : Full Range of Foundry Machines,
Foundry Sand Testing Equipment, Foundry Metal Testing Equipment & Nobake Equipment.

SALIENT FEATURES

- ▶ High-Efficiency Cleaning
- ▶ Energy-Efficient Operation
- ▶ Designed to meet specific foundry requirements
- ▶ High-Performance Blast Wheels – Equipped with powerful drive wheels.
- ▶ Regulates shot flow rate for optimal cleaning and cost efficiency.
- ▶ Ensures a clean working environment by reducing airborne contaminants.
- ▶ Built with manganese steel and wear-resistant liners for longevity.
- ▶ Automated operations with PLC controls for precision and efficiency.
- ▶ Equipped with safety interlocks, emergency stops, and protective shields for operator safety.

Shot Blast Machine Y-TYPE-1T, 2 T & 5 T

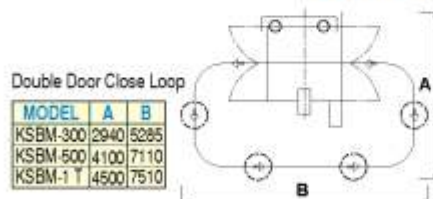


TECHNICAL DATA

TYPE	KSBM-300	KSBM-SA-500	KSBM-FA-500	KSBM-1000
Load Carrying Capacity in Kgs	300	500	500	1000
Cabin Size in mm	1250 x 1350 x 1500	1500 x 1500 x 1650	1500 x 1500 x 1650	1800 x 1800 x 2000
Impeller Wheel	2 Nos.	2 Nos.	2 Nos.	3 Nos.
Impeller Horse Power in HP	7.5 x 2	12.5 x 2	15 x 2	15 x 3
Maximum length of Parts Can be cleaned in mm	1000	1400	1400	1600
Diameter of Job Turning Circle in mm	900	1200	1200	1500
Cycle Time (Minutes)	5 - 7	5 - 7	5 - 7	8 -10
Shot flow / Per min in Kg	380	380	380	380
Total Height of M/C Above Ground Level (A) in mm	4170	5630	5615	6615
Height of M/C Below Ground Level (B) in mm	750	2210	2210	2500
Through put Tonnes/ hour	1.5 to 2	2.4 to 3	3 to 3.5	4.8 to 5.5
Total Horse Power Required (HP)	23	41.5	52.50	67.5
Magnetic Separators	---	---	✓	✓
Manganese Plate	---	✓	✓	✓

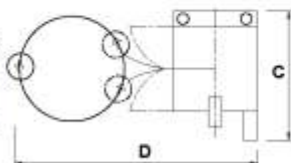
Optional Accessories : Fully Automatic / Semi Automatic System-Magnetic Separators, Pulse Jet Dust Collector & PLC Control System

MONORAIL CONVEYOR FOR SHOT BLAST MACHINE



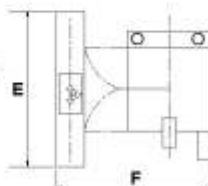
Single Door Close Loop

MODEL	C	D
KSBM-300	2339	4868
KSBM-500	3488	6625



Single Door "H" Type Loop

MODEL	E	F
KSBM-300	3650	3650
KSBM-500	00	00



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PNEUMATIC JOLT SQUEEZE MOULDING MACHINE

Since-1994

KELSONS®

When You Think Foundry...Think KELSONS

More than
150 Machines
are Installed &
Successfully
Working
in India

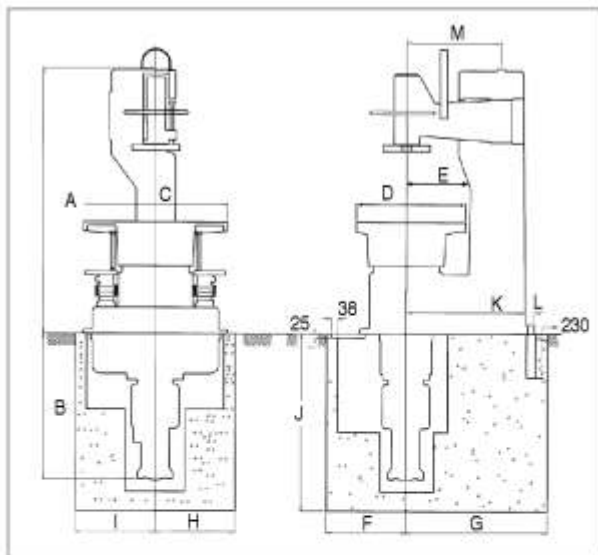


SALIENT FEATURES

- ▶ Robust & Sturdy Construction
- ▶ Easy to Operate
- ▶ High Production & Low Maintenance
- ▶ Parts of S. G. Iron & FG - 260 Grade



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Moulding Boxes
with Assembly

OVER ALL DIMENSIONS (mm) IN KPL RANGE

TYPE	A	B	C	D	E	F	G	H	I	J	K	L	M
KPL-2	1425	780	755	540	360	510	790	455	455	960	660	50	510
KPL-3	1790	950	975	640	375	640	1020	610	610	1200	780	90	590
TECHNICAL DATA						KPL - 2				KPL - 3			
Jolt Capacity # Kgs						280				350			
Squeeze Force # Kgs						5000				7200			
Pattern Drawn mm (In)						205 (8")				260 (10")			
Table Sizes mm (In)						750 X 535 (29.5" x 21")				966 x 635 (38" x 25")			
Max. Size of Mould box Used mm (In) (ID)						508 X 508 (20" x 20")				610 x 710 (24" x 28")			
Min. Size of Mould Box Used mm (In) (ID)						406 X 406 (16" x 16")				530 x 406 (21" x 16")			
Max. Height of Table to Sq- Plate mm (In)						390 (15")				510 (20")			
Squeeze Plate adjustment mm (In)						203 (8")				200 (8")			
Squeeze Stroke (mm)						76 (3")				100 (4")			
Table Height From Floor (mm)						600 (23 1/2")				635 (25")			
Free Air Capacity Per Cycle m3						0.35				0.41			

NOTE *These are outside dimension of moulding box #At 6.3 kg /cm 2 air pressure (Kgs) # All above given Dimensions are approximate.

Sand Plant & Allied Equipment : Knock Out Machine, Punch Out, Auto Mould Handling, Belt Conveyor, OBMS, Bucket Elevator, Polygonal Siever, Sand Cooler, Moulding Boxes, Pallet Cars, Transfer Trolley, Pouring Monorail, Intensive Mixer, Sand Muller, Sand Aerator, Skip Charger, Sand Siever, Pin Lift Moulding M/c & Pneumatic Moulding M/c. **Core Shooters & Allied Equipment :** Core Sand Mixer, Sand Drier, Cold Box Core Shooter, Core Painting Unit, Core Oven, Liquid Resin Sand Coating Plant, Shell Core Shooter, Shell Moulding M/c, Shell Mould Fuser, Shell Core Blower. **Ladle & Metal Handling Equipment :** Hand Shank Ladle, Lip Pouring Ladle, Tea Spout Pouring Ladle, Bottom Pouring Ladle, Drum Type Ladle, SG Treatment Ladle, Auto Pour Ladle, Cupola (Divided Blast) Cupola Charger.

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