

When you Think Foundry.....Think KELSONS

KELSONS[®]

GROUP OF INDUSTRIES

Manufacturers & Exporters of

FOUNDRY EQUIPMENT

SAND TESTING EQUIPMENT

METAL TESTING EQUIPMENT

When You Think Foundry...Think KELSONS

Since-1994

KELSONS®

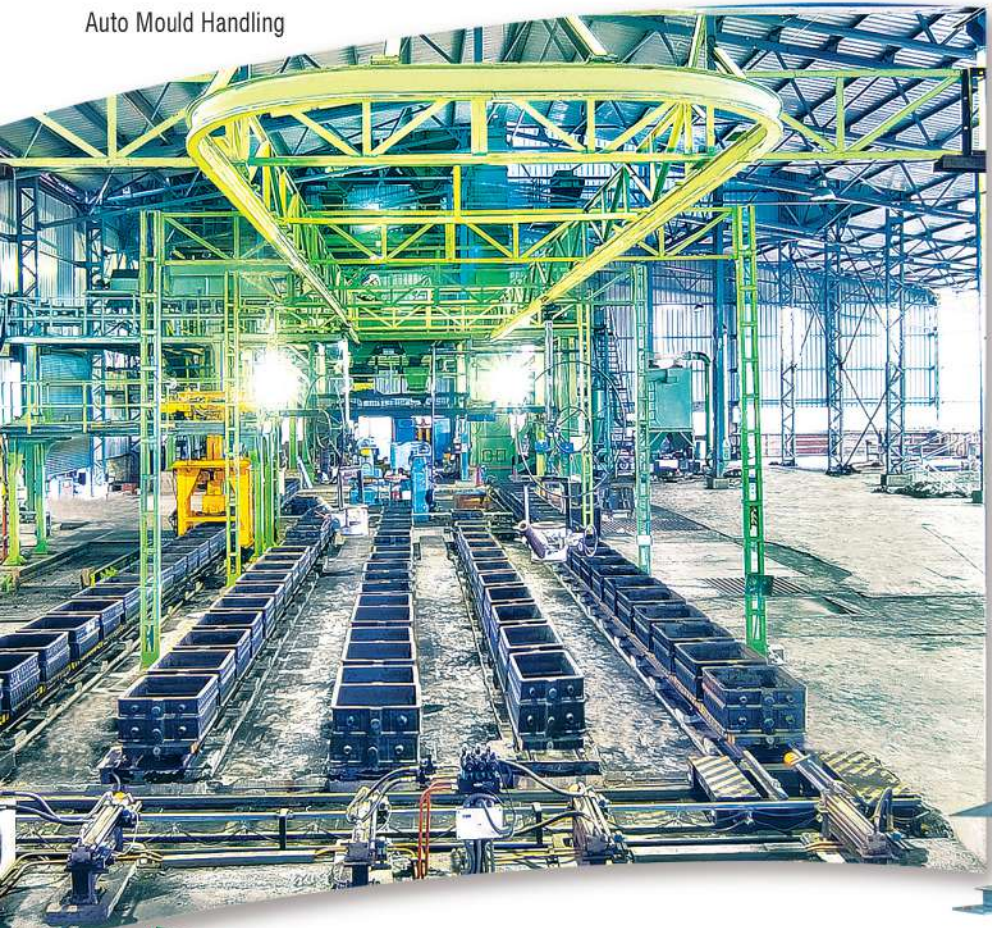
Grow your
BUSINESS
with our
FOUNDRY
Equipment



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



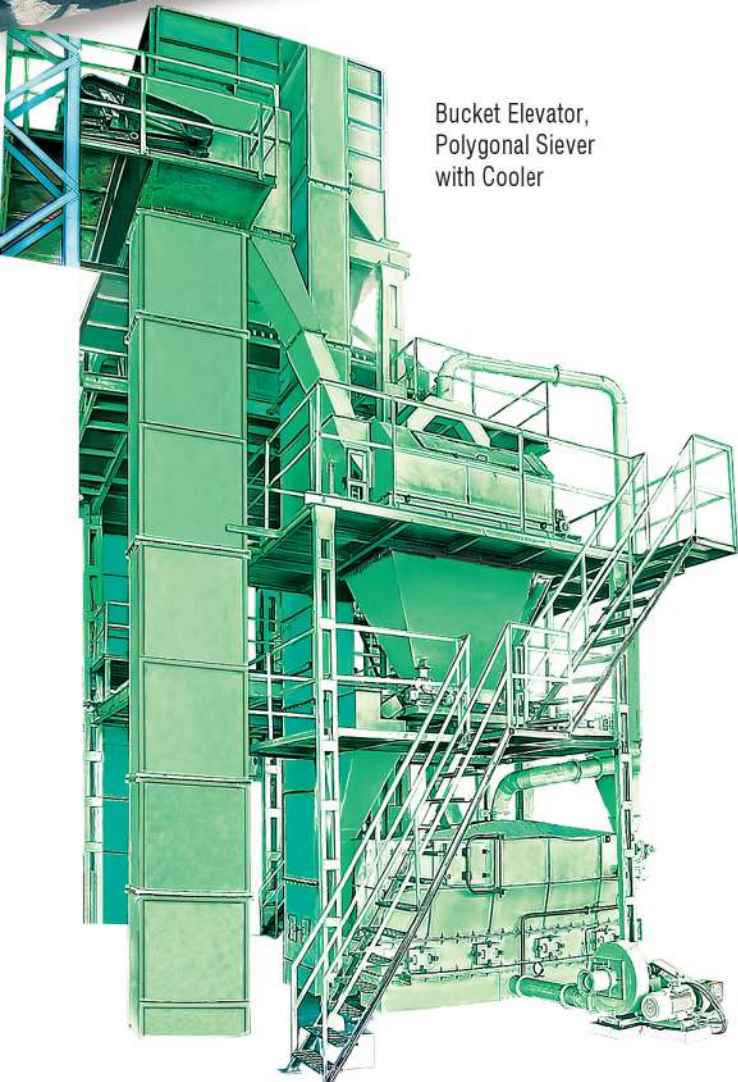
Vibro Knock Out



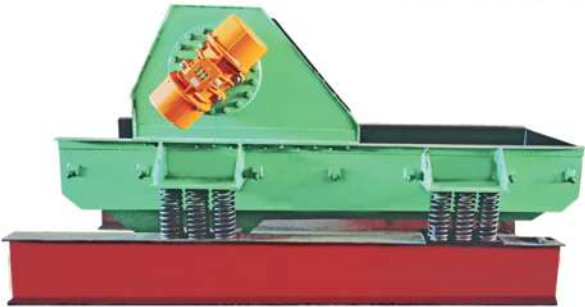
Vibro Knock Out



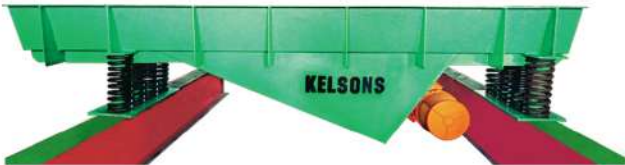
Bucket Elevator,
Polygonal Siever
with Cooler



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



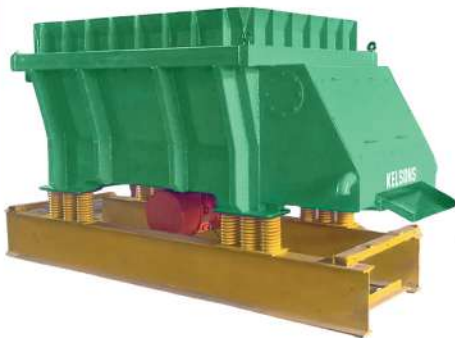
Lumps Breaker - Attrition Type
Up to 2 Ton / Hour



Lumps Breaker - Attrition Type
Up to 6 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



Malaysia



Iran



Uganda



Bangladesh



Croatia



Poland



Syria



Saudi Arabia



Germany



Nigeria



Finland



Qatar



Dubai



Thailand



Bahrain



Oman



Colombia



Czech Republic



Vietnam



Egypt



South Korea



South Africa



United Kingdom



Nepal

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

Since-1994

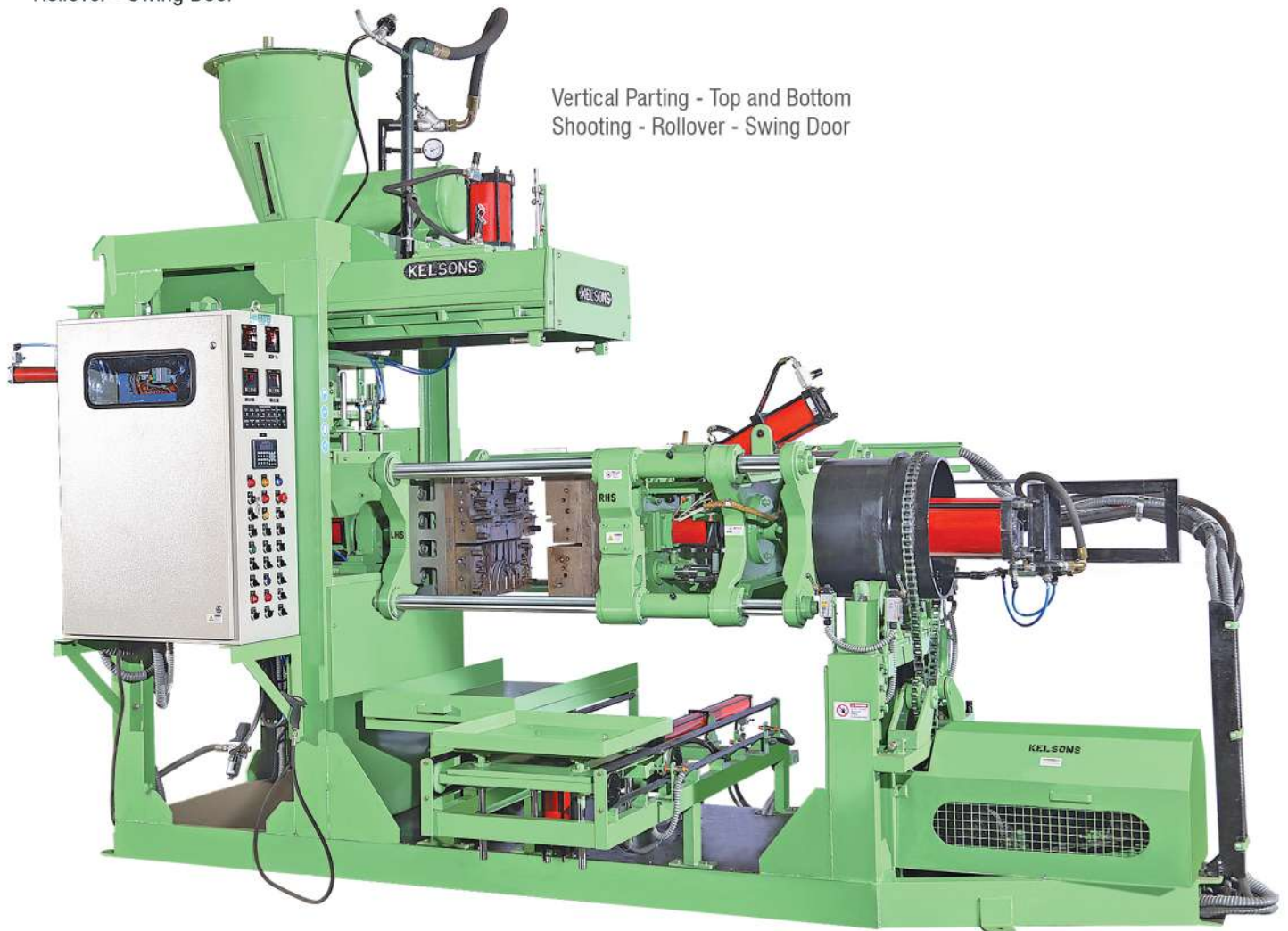
KELSONS®

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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.

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

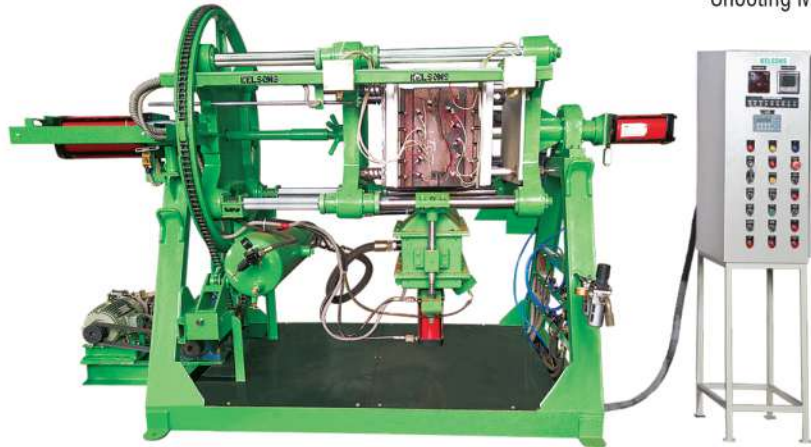


Vertical Parting
Top Shooting

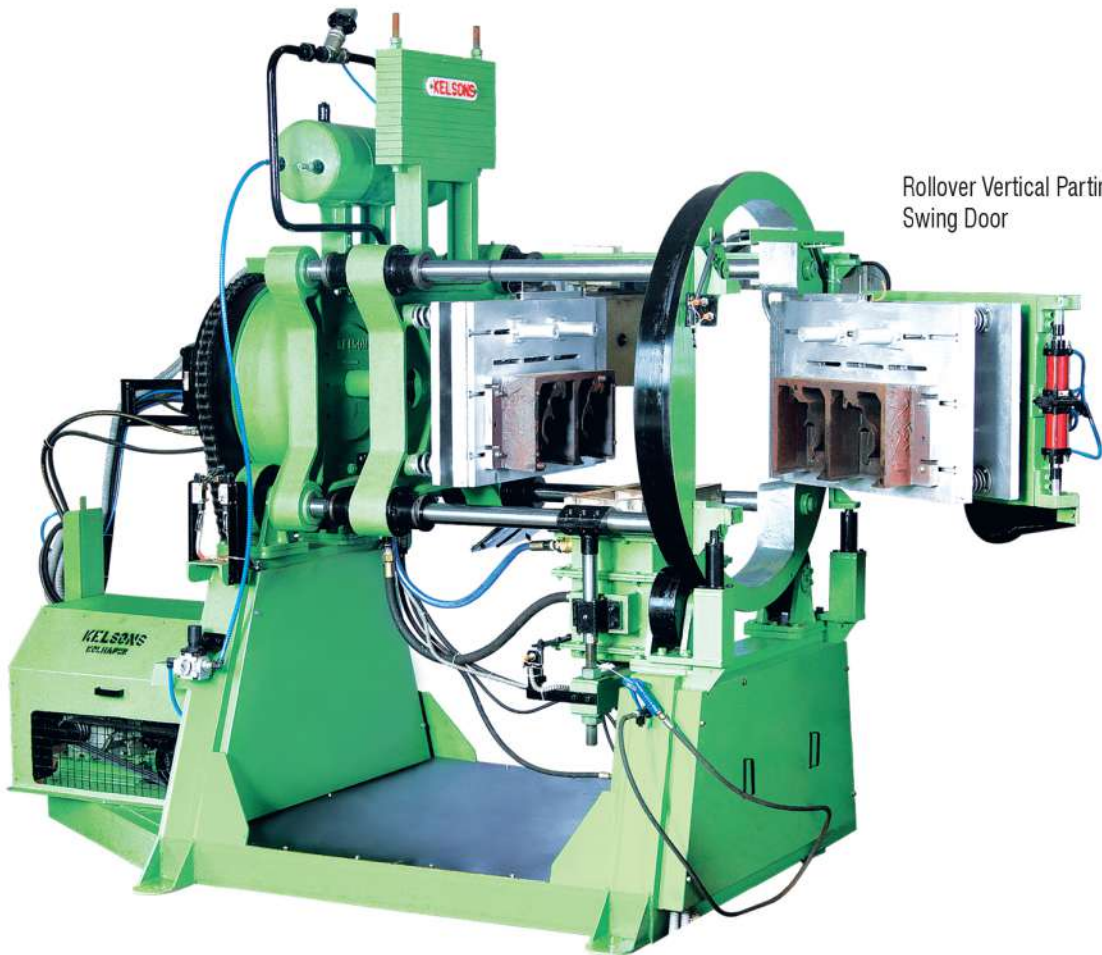


Horizontal Parting
Top Shooting

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	

RESIN COATING PLANT

CAPACITIES

75 kg, 150 kg, &
300 kg



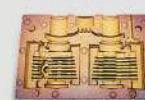
SHELL FUSER



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



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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

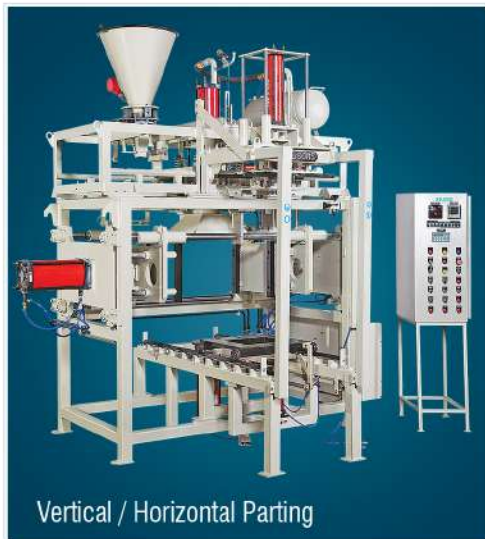
Cold Box Core Shooter - 100 kg

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.



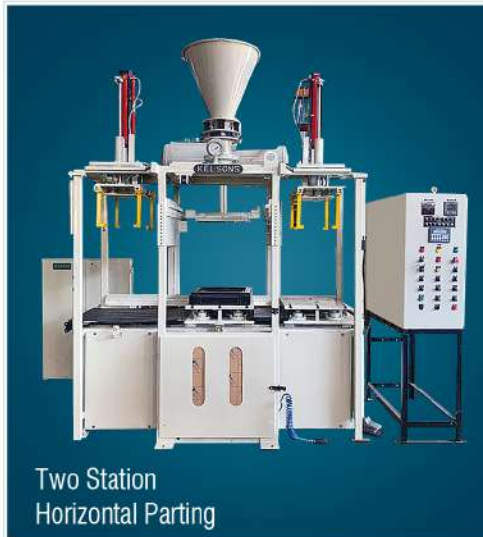
Vertical / Horizontal Parting



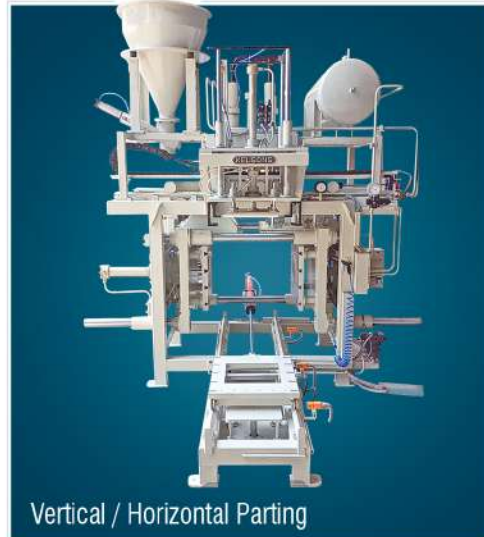
Horizontal Parting



Vertical / Horizontal Parting



Two Station
Horizontal Parting



Vertical / Horizontal Parting



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INTENSIVE MIXER

CAPACITIES

300, 500, 600,
750 & 1000 kg

Since-1994

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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.					



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