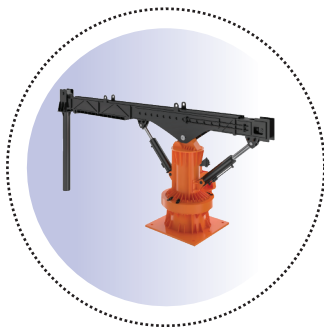


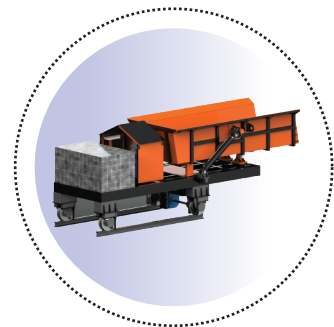
PRECISION HANDLING FOR  
**INDUSTRIAL APPLICATIONS**



HYDRAULIC  
PUSHER



GRAB  
BUCKETS



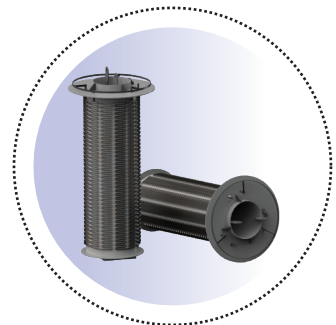
SCRAP  
TRANSFER TROLLEY



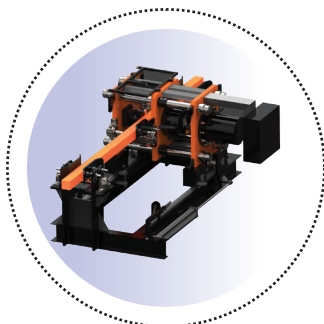
LIFTING  
MAGNETS



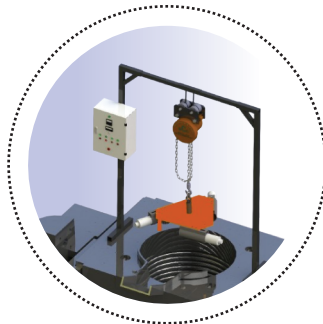
STATIONARY  
CRANES



SINTERING  
HEATER



HOT  
BILLET SHEARING



LINING  
VIBRATOR



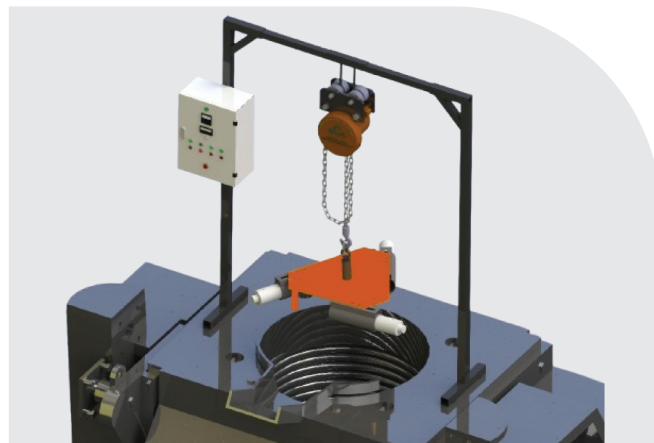
LADLE  
TRANSFER TROLLEY

# LINING VIBRATOR

## REQUIREMENT OF A PROPER LINING:

### Thermal characteristics:

It should with stand the stresses developed by the thermal cycle in operation. It should be chemically insert to the metal being melted:chemical inertness to molten can be achieved by using acid lining for acid slag & basic lining for basic slag, It should have enough structural strength to withstand operating conditions. The thickness of refractory lining must be such as to ensure good electrical efficiency and thick enough to counter the risk of unexpected failure and major damage to the coil.



Technical Features Lining Vibrator

Sr.No.	1	2	3	4	5
Furnace	200 kg-2T	3T-10T	12T-15T	15T-25T	25T-40T
Model	2 Arm LV	3 Arm LV(Round Frame)	3 Arm LV(Triangular Frame)	5 Arm LV	6 Arm LV

### MANUAL LINING

1. Erratic and shorter lining life.
2. Unpredictable production.
3. Density of Lining is not uniform.
4. Lining thickness is not uniform around the former.
5. Refractory material in the tapered Section of the former is not completely deaerated leading to non-uniform erosion of lining and problems like elephant foot & leakage.

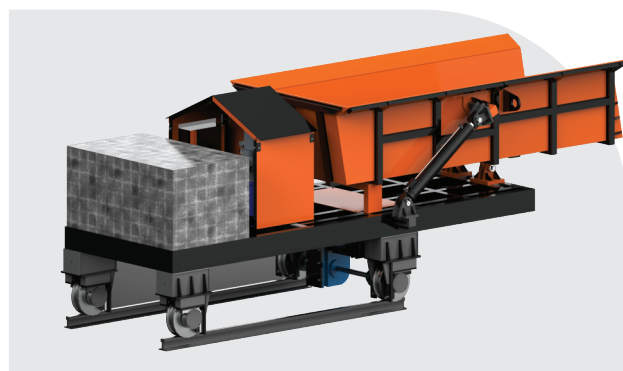
### COMPARISON MANUAL LINING v/s LINING USING VIBRATOR

### LINING USING LINING VIBRATOR

1. Consistent and enhanced lining life.
2. Predictable and increased total output tonnage.
3. Density of lining is uniform throughout the shell.
4. Lining thickness is absolutely uniform around the former.
5. Material in the tapered section of the former is completely dense achieving max. & uniform compaction. Thus erosion is uniform in the tapered section eliminating any possibility of elephant foot & leakage due to weak lining.

# SCRAP TRANSFER TROLLEY

Furnace charging is always the crucial and time taking activity. We are providing the robust solution for this by making customised Furnace charging hydraulic tilting trolley. Face of the trolley front edge is manufactured such that it pours scrap directly into furnace mount. It comes in the size of 5 M<sup>3</sup> X 10 M<sup>3</sup>.



Technical Features Furnace Scrap Transfer Trolley

Sr. No.	Model(M <sup>3</sup> )	Furnace	Handling Scrape	Density (Calculated)
1	5.0	10T-12T	2T to 3T	0.5 to 0.7
2	7.5	15T-20T	3.5T to 4.5T	0.5 to 0.8
3	10	25T-40T	6T to 7.5T	0.6 to 0.8



# STATIONARY CRANES

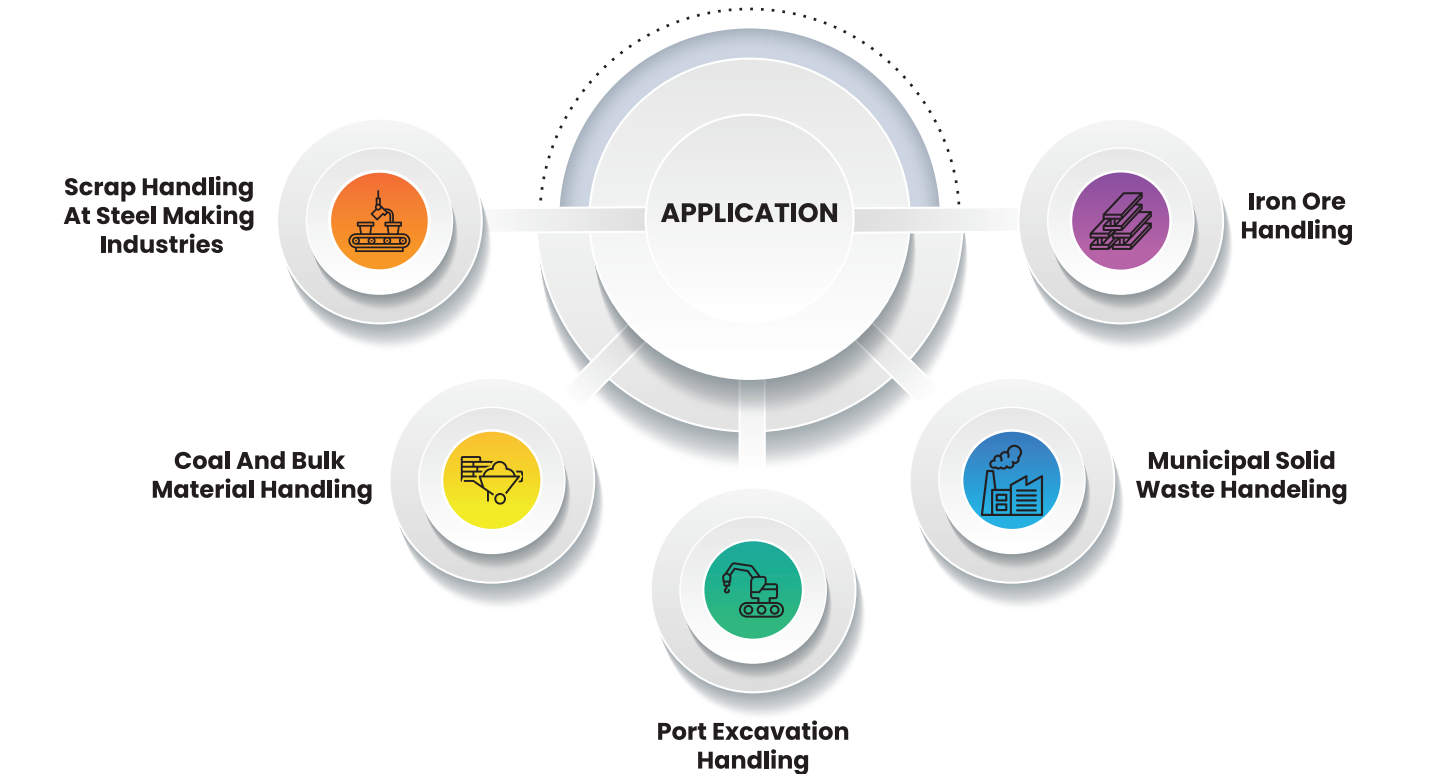
For maximum comfort and excellent site overview, the Radial Loaders are equipped with a hydraulic elevating cabin. With equipment reaching length up to 12mtr, different specific quick release coupling systems and attachments (orange peel grab, clam-shell, timber grab or log peel grab, sorting grab, magnet plate, scrap shear) the material handlers are very versatile.



### Overview of existing variants

1. Extremely low operating costs.
2. Always ready for use - no fuelling and no fuel storage required modern electro-hydraulic drives work not only cost-efficient, they work extremely environmentally friendly as well and cause no exhaust fumes.
3. The vibration-free drives and extremely low operating noise increase the comfort for the operator.
4. Electrically Operated.

Stationary Crane	Model	Grab M³	Handling Scrap Capacity (Tn/Hour)	Item	Applications
6 MTR	LT-06	0.4	20T/HOUR	Stationary Crane	Solid Waste Handling/ Management Plant
8 MTR	LT-08	0.4	20T/HOUR		Steel Making Industries
10 MTR	LT-10	0.6	40T/HOUR		Coal & Cement Industries
14 MTR	LT-14	0.6	40T/HOUR		Paper Mill Industries
16 MTR	LT-16	1.0	65T/HOUR		Scap Handling Industries
18 MTR	LT-18	1.0	65T/HOUR		Shipping Ports



# GRAB BUCKETS

## For Material Handling

LeisterTech proudly offers a comprehensive range of grab buckets, designed to meet the demanding needs of industrial material handling. Our grab buckets are engineered for efficiency, durability, and precision, making them essential tools for industries such as steel, mining, construction, and waste management.



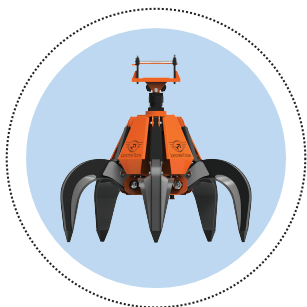
### ELECTRO-HYDRAULIC CLAMSHELL



### CLAMSHELL EXCAVATOR GRAB



### ORANGE PEEL EXCAVATOR GRAB



### MECHANICAL GRAB



### MILL-SCALE REMOVAL GRAB



### ELECTRO-HYDRAULIC ORANGE PEEL GRAB BUCKET

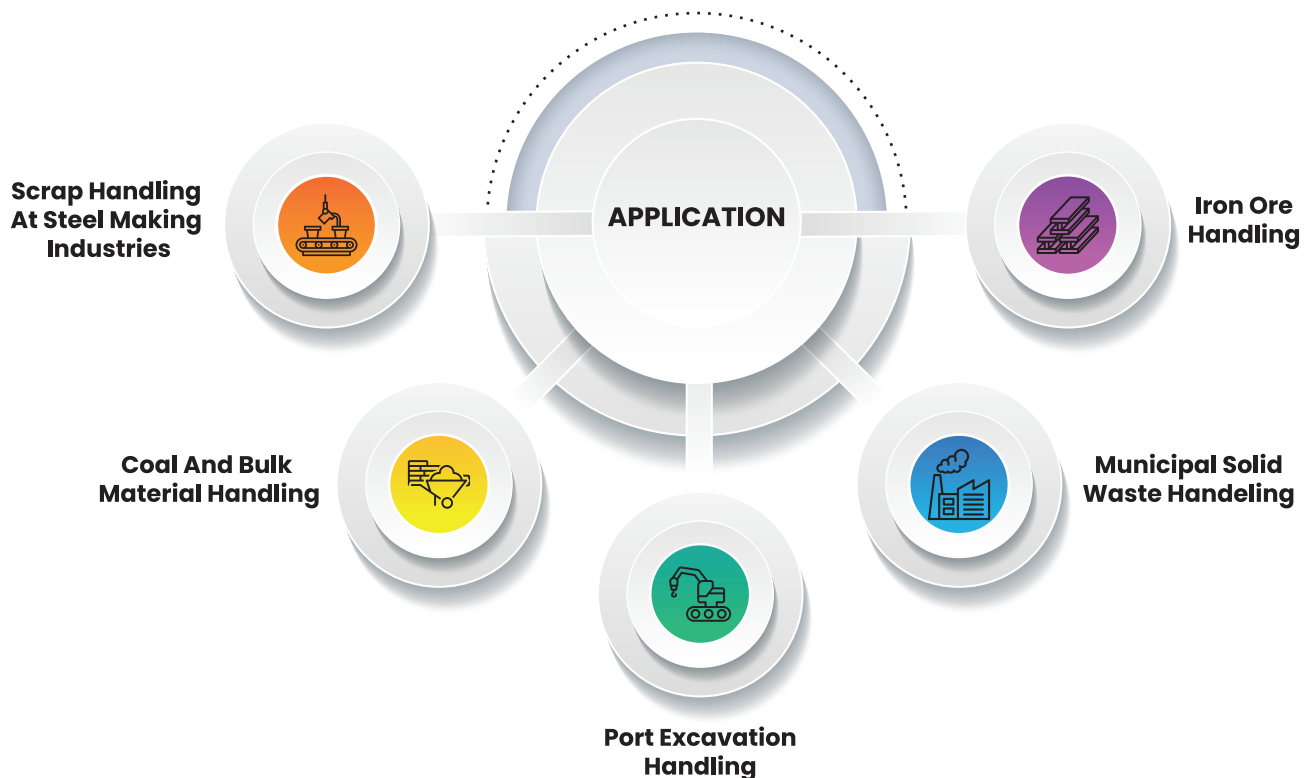


## Advantages of

# GRAB BUCKETS

1. Operator can see the scrap being handled by the grab from his seat & hence can drop it conveniently.
2. Handling scrap with electromagnets on furnace platform reduces the life of platform as magnetic flux of electromagnet pulls up the reinforced steel rods inside concrete slab. This does not happen with electro-hydraulic grab.
3. No need of isolation transformer, diodes, electronic components.
4. Excellent on measures of MTTR (Mean Time to Repair).
5. Ease for both maintenance as well as operation people.
6. Lesser dead weight than equivalent capacity of electromagnet on the crane.
7. Charges almost 4 times the volume of scrap than electromagnet.
8. Much less power consumption as compared to electromagnet of equivalent capacity.
9. No damages involved in case of electricity failure which is very problematic in case of magnet.
10. Reduces operations of EOT cranes.
11. No risk of insulation failure. No risk of "duty cycle time limit" crosses over.
12. During non-ferrous metal / SS grade material is not possible with magnet and comfortable with Grab.

Item	Applications
Grab Buckets	Solid Waste Handling/Management Plant
	Steel Making Industries
	Coal & Cement Industries
	Paper Mill Industries
	Scape Handling Industries
	Shipping Ports
	Fertilizer & Refinery



# LADLE TRANSFER TROLLEY

Transferring Ladle from one location to other is always very precious process and Even when it is filled with molten metal or it is Red Hot.

Shifting Empty ladle from one unit to other location of other plot is also need to engage Crane and which create unnecessary hurdle to routine work.

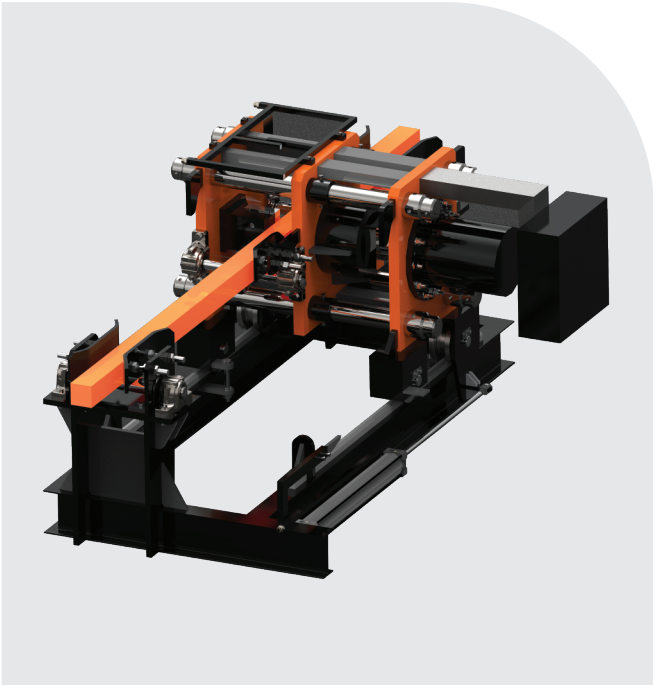
Transfer Trolley					
Sr.No	1	2	3	4	5
Size	10T	30T	50T	90T	110T



# HOT BILLET SHEARING

Steel plants need the continuous operation weather it is SMS or CCM or Rolling Mills. While the CCM is production the square billets then it need to cut into specific length to get it ease to transfer from one location to other either into same unit or into same unit from one place to other. Billet cutting by manual practice face many problems and limitations like safety of human, gas consumption, Maintenance, Power consumption. To overcome and utilize the Hydraulic Horizontal and Vertical Hot Billet shear machines. It cuts the billet on specific length automatically as per automation.

Hot Billet Shearing			
Model No	100 X 100	130 x 130	160 x 160
Motor	30HP	30HP	50HP



# SINTERING HEATER

It is the latest method of heating the ramming mass to rock solid state which reduce the heat loss and power loss. It works on 500 Degree centigrade to remove moisture content in the ramming lining Mixture. Ni Cr strip staggered vessels based on former size is to be kept inside the former and given power through separate panel. It reduces the efforts and resulting the better ready to charge crucible position.

Technical Features Sintering Heater					
Sr.No.	1	2	3	4	5
Model(kw)	90	110	150	180	250
Furnace	6T	10T	15T	20T-25T	30T-40T

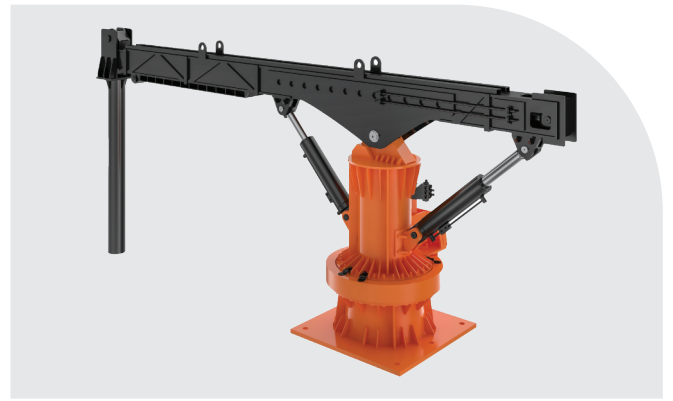




# HYDRAULIC PUSHER

Leistertech Furnace Hydraulic pusher system feature an innovative, rugged design to help minimize time-consuming tasks on the melt deck, improve furnace utilization and maintain the integrity of initiated melt casting.

We believe that just to sell capital good is not important, the difference highlights itself when you serving your customers throughout.



**Time optimization :** Wise people says, "Time is money!!!!" More scrap at single time by using Electrohydraulic pusher to leads to reduce the number of cycle.of melting per batch, which Leads to saving of money and increase Production efficiency.

**Facilitate safety and comfort :** The operator does not have to perform heavy manual work such as handling the scarp while charging and pouring excessive scrap in between the process of melting which exposed to extreme heat.

**Cost minimization :** Robust design and high reliable factor leads to minimize the cost by charging more quantity of scrap which directly converts the high melting quantity at single cycle.

**High melting quantity :** The rate of melting metal per cycle in ton is higher than that of a melting done by single scrap charged furnace without pusher.

Technical Features Sliding & Fix Boom Pusher				
Sr.No.	Model	Furnace	Motor(HP)	Duty
1	8T-10T	630	20	Regular
2	12T-20T	710	20	Heavy
3	20T-25T	900	30	Super heavy
4	30T-40T	900	40-50	Robust

# LIFTING MAGNETS

LeisterTech make Circular Lifting Magnets, To handle the scrap in various industries like foundry steel plant, Scrap yard our Heavy duty magnets are used.



Model No.	KW	Approx.. Weight of the Magnet in KG +/- 5%	Diameter of Magnet +/- 50MM	Required Minimum Crane Capacity in MT
LT135 CM	10.5	2200	1350	5
LT165 CM	16	4500	1650	10
LT185 CM	20	5800	1850	10/15
LT185 CM	24	6000	1850	10/15
LT215 CM	32	10000	2150	20/25
LT215 CM	40	11000	2150	20/25

## Types of Lifting Magnets

### CIRCULAR LIFTING MAGNETS

Ideal for handling scrap in foundries, steel plants, and scrap yards.

### RECTANGULAR LIFTING MAGNETS

Used for lifting billets, bundles, and rails in steel mills.

### OVERBAND MAGNETIC SEPARATOR

Used to separate tramp iron from conveyor belts in industries such as mining and recycling, cement, coal industries, salt industries etc.

### ELECTRO MAGNETIC SEPARATOR

Suspended above conveyor belts to attract and remove ferrous particles from materials being transported.



Insulation C Class DC Voltage 220 / 230 DCV ,Duty Cycle 75%(7.5 Mint On / 2.5 Mint Off in 10 minutes)Lifting capacity Approx. in cold condition.



Our company was found in 2013 with the purpose of providing the greatest products and services possible to our clients with. As a family - run company, we take pride in the work that we do with enthusiasm.

We are Located in Gujarat's Ahmedabad city in India. Our Factory is established in Total Area of 15000 Square Meter is established in Total Area of 15000 Square Meter along with Workshop Area of 8000 Sq.mtr.

We are daily enhancing our focus on providing better result oriented solution for steel plant regarding their activities in Steel melting Shop, Rolling Mill as well to Increase the Plant Efficiency along with Scrap yard Material handling activities as well.



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