

RANGE OF MATERIAL HANDLING EQUIPMENT





Company Profile

Corporate Office

THE POWER BEHIND INDUSTRIAL POWERHOUSES

Elecon Engineering Company Limited is a company formed to manage the core Material Handling Equipment product range and engineering expertise.

Elecon is one of the largest Material Handling Equipment company in India with in-house design, engineering, manufacturing, fabrication, component manufacturing and support services in a vertically integrated model. For over 60 years, clients have depended on Elecon as the company of their choice to undertake challenging projects.

Also, Elecon is the first company in India to have manufactured sophisticated equipments for Bulk Material Handling. For over 6 decades, Elecon has supplied hi-tech equipments to major core sectors such as steel, fertilizer, cement, coal, lignite & iron ore mines, power stations and port mechanization in India as well as abroad.



Elecon

Elecon's product range and field expertise in material handling equipment is unsurpassed. It was one of the first to introduce the concept of "mechanised bulk material handling equipments" in India. Since then, the company has grown to become the single largest company having a composite range of almost all types of bulk material handling equipment and related products. From a two - product company (ELEvators and CONveyors, from which the company derives its name), Elecon has today broad - based its production to cater to diverse requirements.

The Heavy Fabrication Shop

FIELD EXPERTISE

1. Integrated Coal Handling plants for Thermal Power Stations, Ports and Railways.
2. Stacking, Blending and Reclaiming of Ore, Coke, Limestone, Coal other minerals etc.
3. Circular Stockpile and pre - blending system in cement plants, power stations.
4. Stationary, semi-mobile, mobile crushing, screening plants & equipment for processing of ores, coal, limestone etc.
5. Product handling system, bagging industries in fertilizer industries including bag filling & weighing machine, wagon loading and truck loading machine.
6. High capacity stationary and shiftable conveyors for open cast mine & special conveyors for underground coal mine application.
7. Downhill conveyor systems.
8. Pipe conveyor systems.

INFRASTRUCTURE

A workshop area spanning 1,24,500 sq.mt. for Elecon with the latest CNC and NC machine tools, quality control and testing equipments.

All these contribute towards a highly reliable range of material handling and power transmission equipments. Working hand in hand with avant garde technology is Elecon's skilled workforce at different operational levels.



CNC Heavy Duty Lathe

SPARE-PARTS & AFTER SALES SERVICE

Elecon has an established spare-parts division for speedy supply of spares and experienced engineers to render after sales services at various centers, all over India.

Each service centre is equipped with highly qualified and experienced service engineers, who are well trained at work.



Drive Frame Machining on a Double-Column Plano-Miller & Double-Column Vertical Lathe



CNC Laser Cutting Machine



Turning of a Wagon Tippler end Ring



CRAWLER MOUNTED TRIPPER

Suitable for maximum belt width 2,400 and capable of handling materials at the rate of 20,000 T.P.H. (Maximum) at Open Cast Mine.



TWIN BOOM STACKER

With Two booms having luffing arrangement can make the pile on both side of the track. This machine is used where blending of material is required. Machine with Capacities up to 2000 TPH and Boom length up to 29 M



STACKER RECLAIMER

Combined bucket wheel stacker reclaimer and reversible type bucket wheel stacker reclaimer are manufactured for handling materials like coal, iron ore, limestone etc. Capacities up to 5000 TPH and Boom length up to 60 M



BARREL TYPE BLENDER RECLAIMER

For homogenisation stock yard in steel plant, thermal power station and cement plants. Available up to 40 M width and 2000TPH



CIRCULAR STACKER RECLAIMER

The stockpile is in circular form with feed from the center. Requires less space and is economical. Very good blending efficiency and end effect.



BRIDGE TYPE BUCKET WHEEL RECLAIMER

For handling coal, lignite, limestone, iron ore in a linear stockyard.



BRIDGE TYPE SCRAPER RECLAIMER

Good Homogenizing/blending is achieved as very thin layers of materials are cut off from the entire cross section of the stock pile by reciprocating harrows. Most suitable for large lumps and abrasive materials



MOBILE WAGON LOADER

Suitable for handling iron ore, coal, limestone for loading to railway wagons.



PORTAL SCRAPER RECLAIMER

Full portal, semi portal, Bi-rail scraper reclaimer for handling fertilizer, limestone, coal, gypsum, clinker etc.



C TYPE ROTARY WAGON TIPPLER

Tippler is used for emptying the loaded wagons by tipping it. Tippler retains wagon by using clamping devices provided on it. Hydraulic drive or by electro-mechanical drive.



SIDE DISCHARGE WAGON TIPPLER

Tippler is used for emptying the loaded wagons by tipping it. Tippler retains wagon by using clamping devices provided on it. Hydraulic drive or by electro-mechanical drive.



WAGON MARSHALLING EQUIPMENT

For charging and spotting of wagon on tippler table by beetle charger.



SIDE ARM CHARGER

For hauling rake of wagons, placement of wagons on tippler table and evacuation of empty wagons from tippler table.



RAIL PUSHER CAR

For hauling of rake wagons and placement of wagons on wagon tippler table.



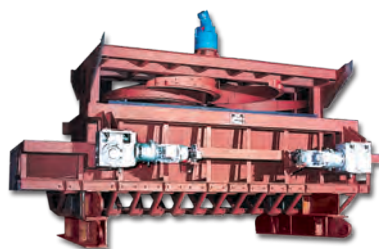
SHIP LOADER

For loading coal, clinker, cement, iron ore and bulk materials for ocean going ships and barges.



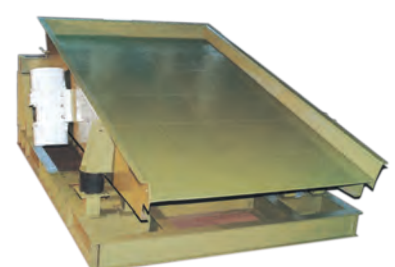
APRON FEEDER

They are of extremely rugged construction and are specifically designed to withstand the shock loading of large lumps being dumped in the hopper above the feeder.



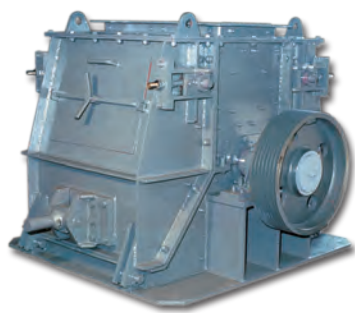
PADDLE FEEDER

For reclaiming bulk material from bunkers, silos and stockpiles.



VIBRATING FEEDER

Consisting of mechanical unbalanced motor type, electromagnetic type and electro-mechanical type.



REVERSIBLE HAMMER MILL

Reversible open bottom type machines for crushing soft and medium hard rocks like coal, limestone, etc at higher crushing ratio.



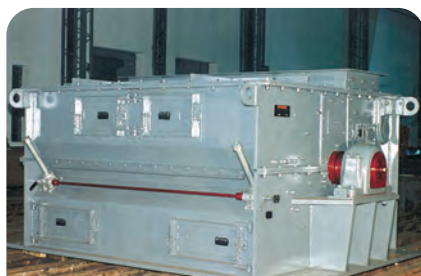
SEMI MOBILE CRUSHER

For handling R.O.M. size coal, lignite, etc in open cast mine.



FEEDER BREAKER

For primary crushing of R.O.M. Coal at open cast mine and in thermal power plant.



RING GRANULATOR

Crushing material like R.O.M. bituminous coal as well as rock salt, lignite, gypsum, chemicals, medium hard minerals and such other friable material.



IMPACTOR

For crushing large lumps at higher rates like R.O.M coal, limestone, basalt, blast furnace slag etc.



DOUBLE ROLL CRUSHER

Slow speed crushing machine used with limited ratios for crushing when lesser fines are desirable.



SPECIALIZED CONVEYORS

Suitable for belt widths upto 2,400 mm. And capable of handling materials at the rate of 20,000 tph.



PIPE CONVEYOR

Environmental friendly conveying system to transport materials without spillage and without limitations with regard to steep incline and curve layout.



ROLLER SCREEN

Suitable for separating coarse, wet, sticky and clayey raw material. High capacities with low power requirement.



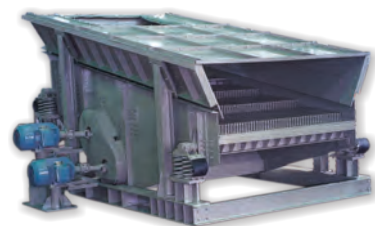
CABLE REELING DRUM

For using on the mobile equipment for power supply. Increases cable life by reducing tension in the reel.



TRAVELLING TRIPPER

For discharging material on bunkers and open storage area. Unidirectional as well as bi-directional available.



GRIZZLY FEEDER

For feeding bulk material like coal, limestone, etc to crusher for separating undersize material.



PULLEY

Suitable for conveyors of belt width ranging from 400 mm to 2400 mm. for capacities upto 24,000 tph. Available in rubber lagging and ceramic lagging.



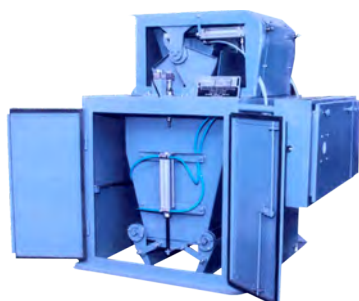
IDLERS

Impact idlers, troughing idlers, garland idlers. Capacity up to 24,000 tph. High speed idlers available on request.



MAGNETIC EQUIPMENT

Magnetic equipment for separation of tramp iron pieces. Air cooled, oil cooled and permanent magnet available up to 2,400 mm belt width.



AUTOMATIC WEIGHING AND BAGGING MACHINES

Electronic microprocessor based weighing and bagging machines for high speed automatic weighing and bagging.



WEIGH FEEDER

Microprocessor based digital weigh feeders for continuous control and proportioning.



METAL DETECTOR

Microprocessor based Metal detectors for detection of ferrous and non ferrous metals.



7.5 KM, 1500 MTPH, Pipe Conveyor at Manikgarh Cement, Unit-II, Gadchandur, Maharashtra for conveying Lime Stones



Belt conveyor junction points in an open cast lignite mine at Neyveli Lignite corporation

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