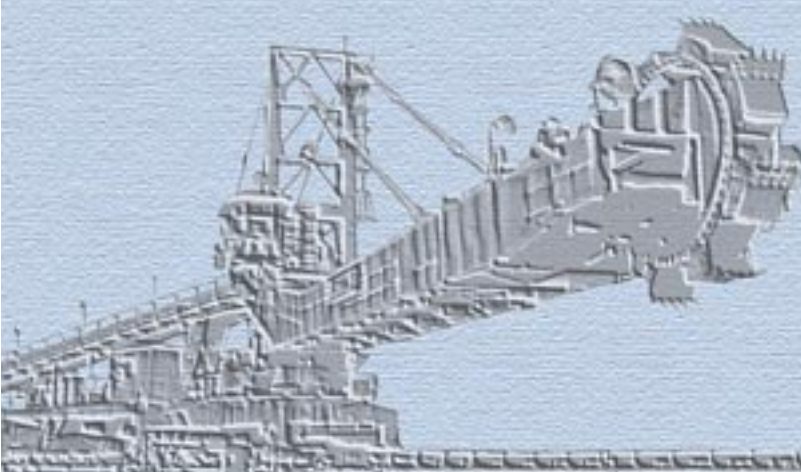


ELECON SCRAPER RECLAIMERS



The Reclaiming Scraper is the development of scraping conveyor which was introduced in Europe more than 90 years back. The Reclaiming Scraper was introduced for reclaiming material in open-cast mines in the beginning of the 20th Century. The actual scraping and loading done by scraper chain mechanism has introduced a reliable and robust arrangement for handling of material. Salt Scraper, the first scraper reclaimer was introduced in the world in 1925, in Germany for a long time, was known as Salt Scraper of Fertilizer Reclaiming Scraper. With the passage of time, new and better methods of its application were developed for scraping and reclaiming various types of materials.

Though the basic system of a scraper reclaimer has remained the same for nearly 62 years, the construction of the machine has been simplified and made compact and its efficiency increased considerably. New types of models have been introduced to meet the ever-growing demand for a wide range of material handling systems. The Scraper REclaimers can be designed for handling materials from 50 tonnes/hr. to 2500 tonnes/hr. and more, depending on the type of material.

Salient Features

The main advantages of Scraper REclaimers are the following :

1. Negligible wear and tear of the machine.
2. Virtually no maintenance cost or very little maintenance cost.
3. Less power consumption.
4. No effect on material handled, because of scraping and reclaiming.
5. Easy handling of sticky/clay-like material.
6. Complete removal of stored material.
7. Saving of space and civil construction costs, because of its compact design.
8. Accessibility for removing material from any point.

The introduction of Scraper REclaimers in India is not quite recent. Elecon is among the first few in India to manufacture scraper reclaimers for handling urea and NPK. Subsequently, Elecon has manufactured scraper reclaimers for handling coal, limestone, clinker, gypsum, bauxite and other materials.

Wide Range

The Scraper REclaimers fall into three major categories of operations :

1. Pivoting scraper (with translinear travel)
2. Rotating scraper (with circular travel)
3. Translinear movement scraper.

Elecon has supplied pivoting scrapers (with bottom/overhead discharge) for several fertilizer plants. Bridge-type/Pylon-type Scraper REclaimers are in operation in cement plants, for handling limestone, clinker, coal and other materials. Elecon's circular preblending stockpile system for limestone with scraper reclaimer and slewing stacker is in operation at U.P. Cement Corporation, Dalli; Maihar Cement, Maihar, Tamil Nadu Cement, and other cement plants.

On pages 2 & 3 of this catalogue, a comprehensive chart showing various types of scraper reclaimers for various applications and incorporating different design features is given. The selection of a particular model will depend on the availability of space, type of material to be handled, handling

capacity required and other factors. A list of different types of models is given below :

Various Models

Elecon Scraper machines are available in nine different models :

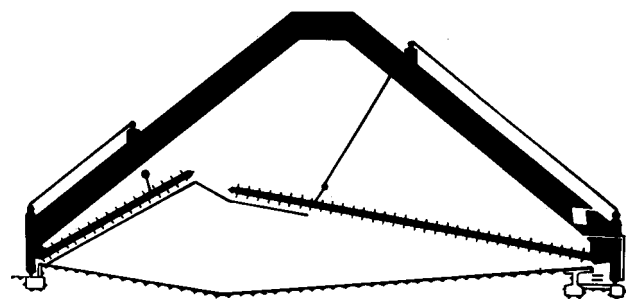
1. Mono-rail scrapers
2. Bi-rail scrapers
3. Bi-rail scrapers with bucket elevators
4. Bi-rail scrapers with double slewing
5. Semi-portal scrapers
6. Full-portal scrapers
7. Wall travel scrapers
8. Linear travel scrapers
9. Rotating reclaiming scrapers

Elecon has almost 40 years of experience in the field of material handling, and is the leading manufacturer of heavy material handling machines like Crawler Mounted Trippers (capacity : 11000 t/hr. to 20000 t/hr.), Barrel-type Blender REclaimers (capacity: 1000 t/hr.), Bucket-wheel type Stacker REclaimers (capacity : 2500 t/hr.), Bridge-type Bucket Wheel REclaimers (capacity : 3000 t/hr.), Travelling Bins, Rotary and Side discharge Wagon Tippers, Mobile Transfer Conveyors, Scraper REclaimers as detailed in this catalogue and several other such equipment.

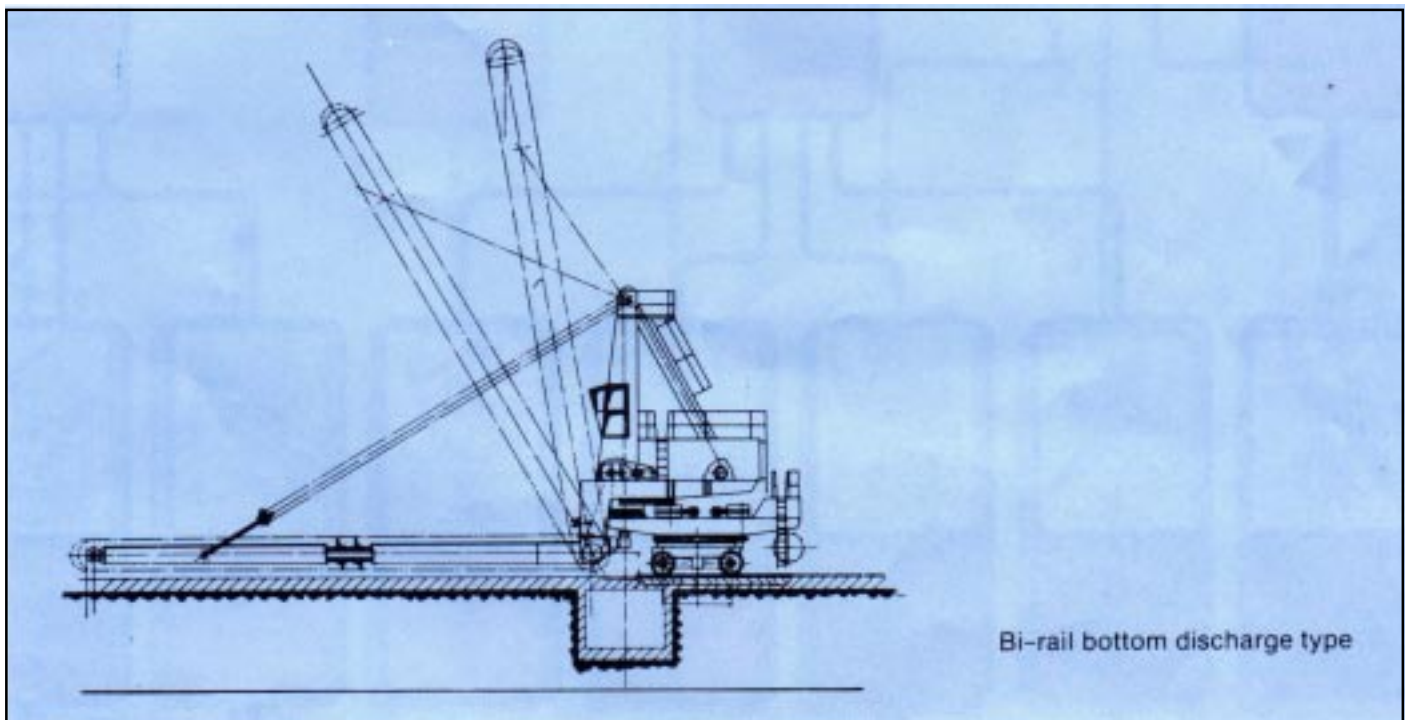
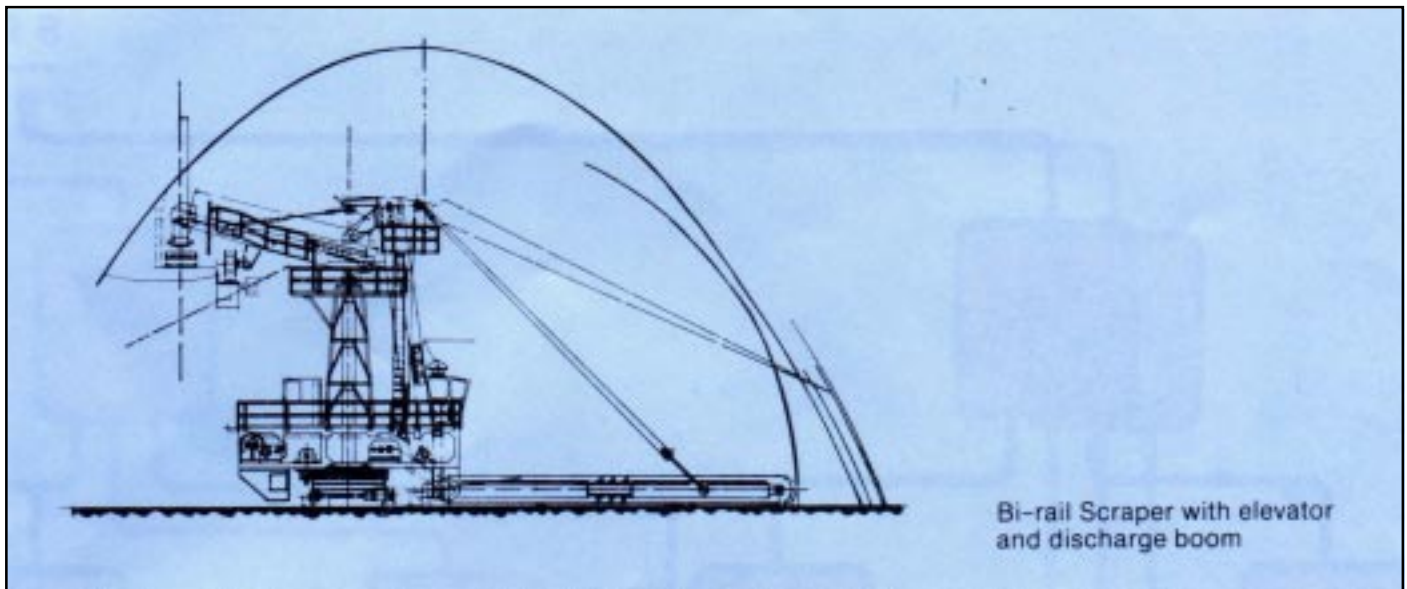
Elecon is the only company in India as of date to have designed, manufactured and supplied shiftable conveyors for open-cast mines for capacities up to 20000 t/hr. for a belt width of 2400 mm.

Elecon is the leading designer and supplier for conveying systems to all major industries in India, such as power stations, open-cast mines, cement plants, fertilizer plants, etc.

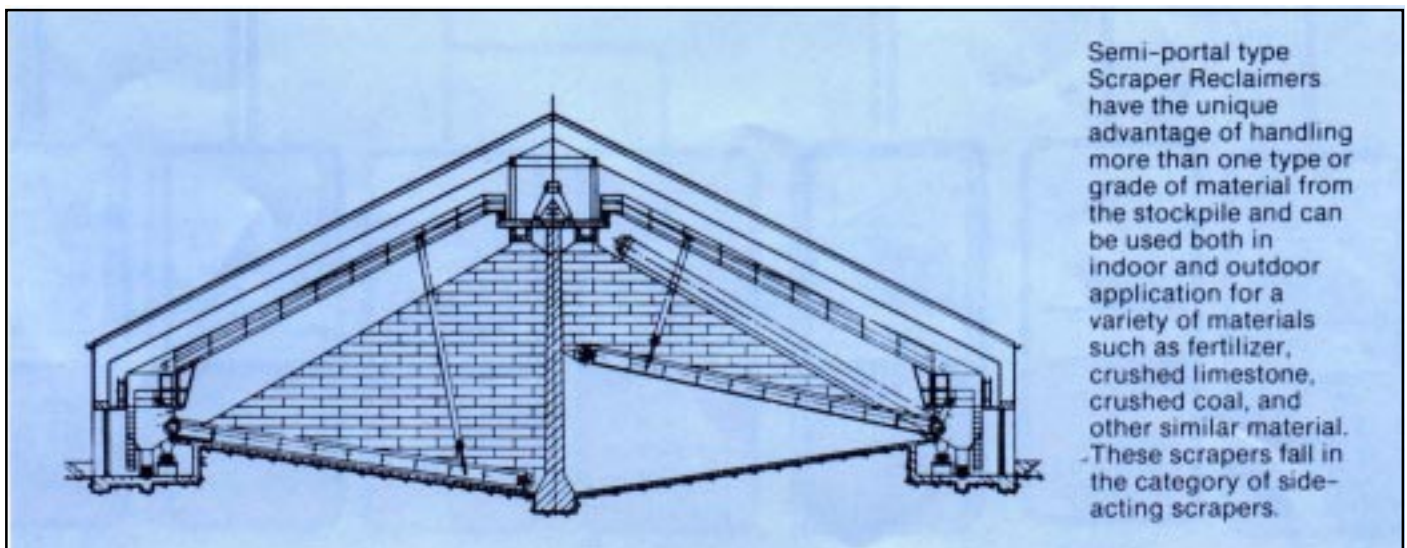
Elecon has one of the most modern manufacturing plants with ultra modern testing and quality control equipment.



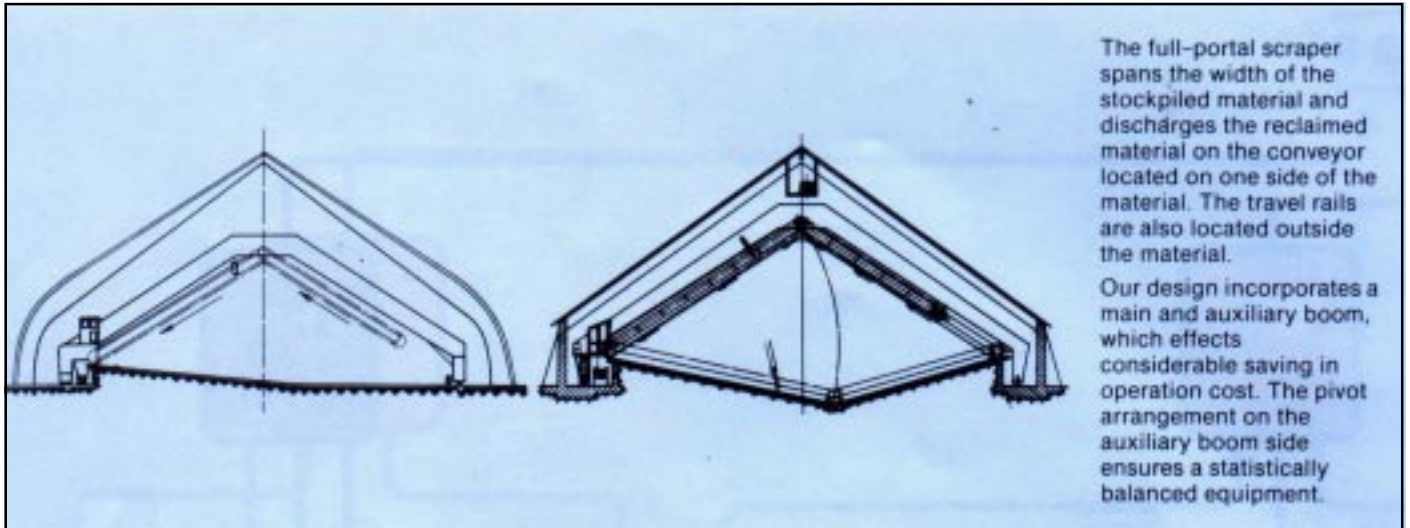
TRANSLINEAR TRAVEL : PIVOTING SCRAPER MACHINE

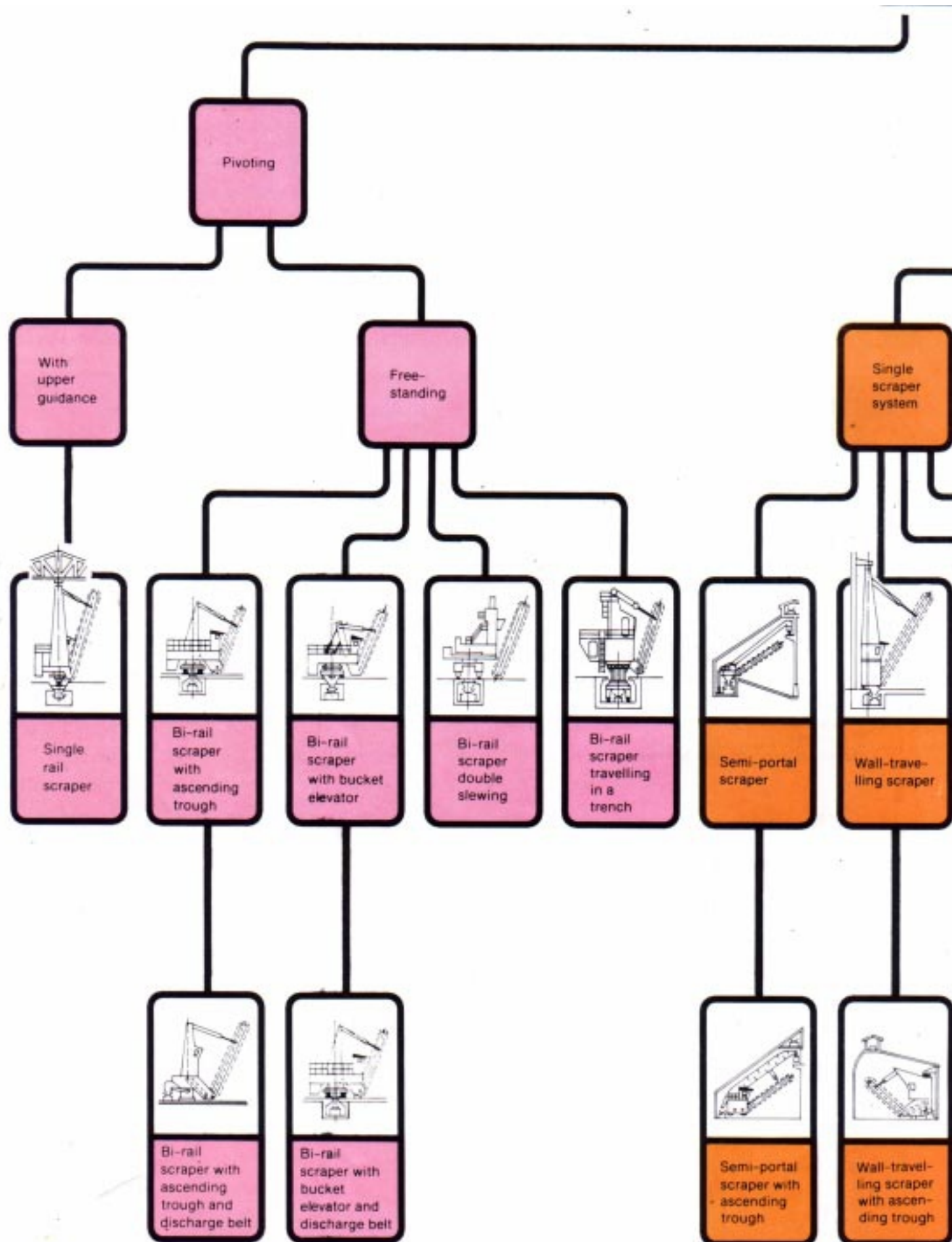


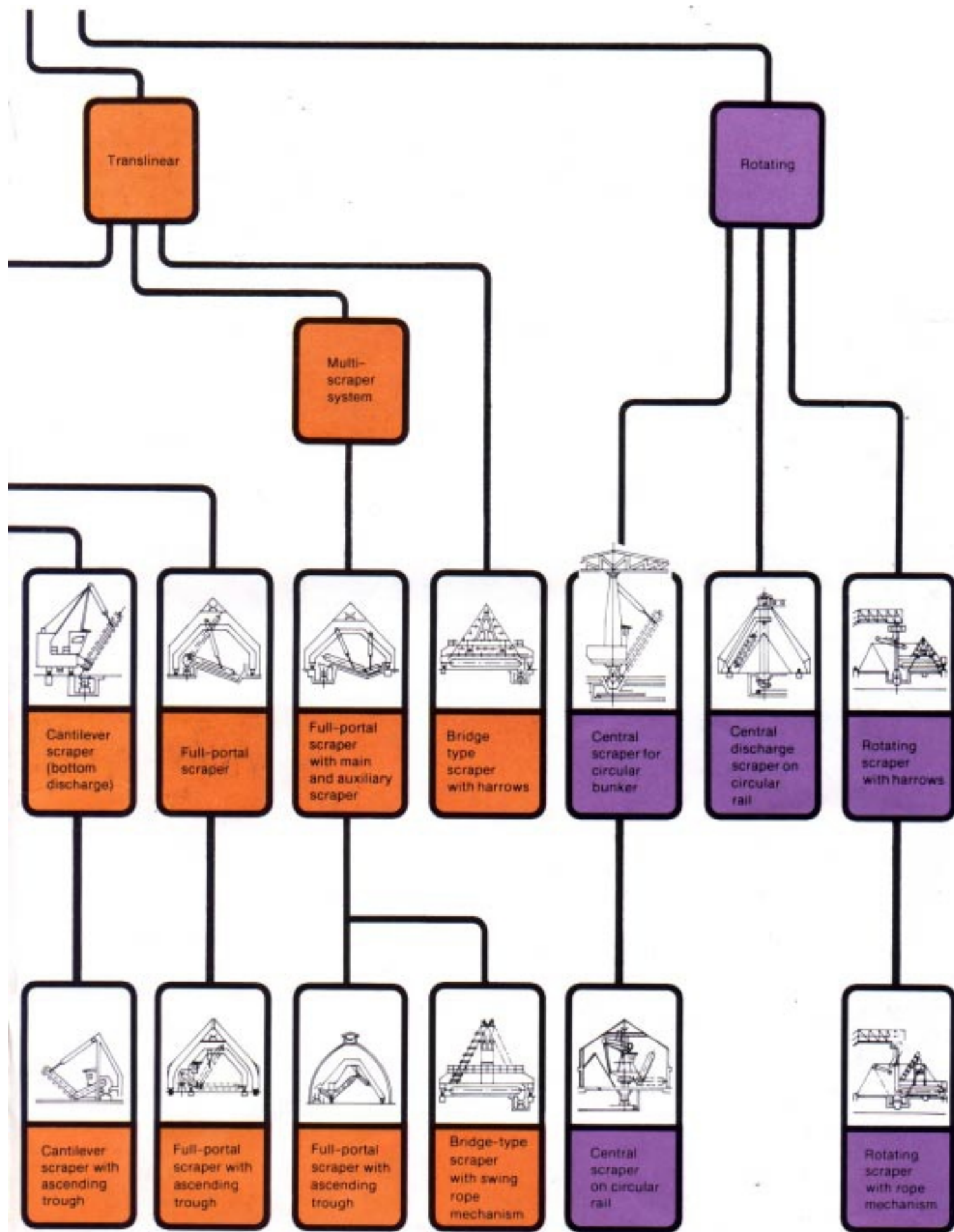
TRANSLINEAR TRAVEL : SEMI-PORTAL TYPE SCRAPER



TRANSLINEAR TRAVEL : FULL-PIVOTING SCRAPER



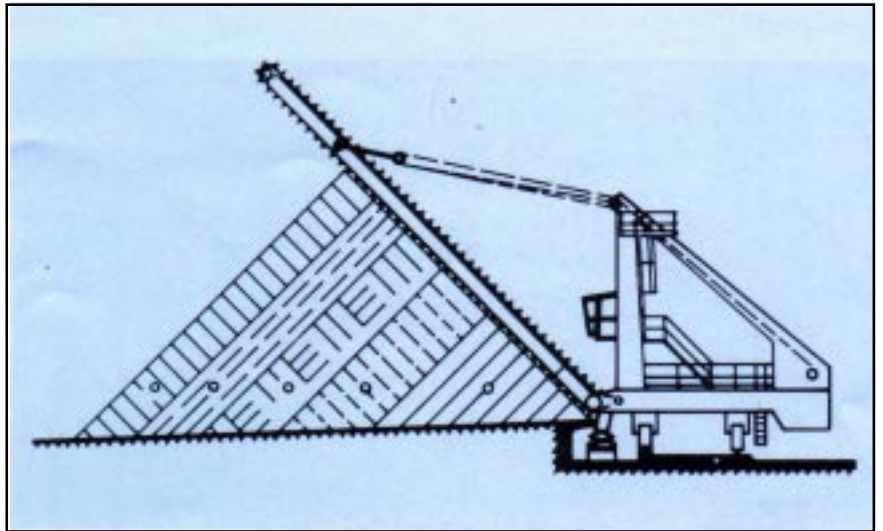




TRANSLINEAR : SIDE-ACTING PYLON TYPE/CANTILEVER SCRAPER

India's first limestone prehomogenizing
& blending plant at Maihar Cements
(A division of Century Mills).

Stacking : 650 tonnes/hr.
Blending & Reclaiming : 350 tonnes/hr.
Diameter : 82 metres.



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