

McNALLY SAYAJI ENGINEERING LIMITED

(A Member of the Williamson Magor Group)



High Performance Granulator for Coal & Lignite

RING GRANULATOR

At MSEL we believe in constantly reinventing ourselves. And in line with this we are always on the lookout for new avenues and opportunities.

McNally Sayaji Engineering Limited (MSEL), with factories in Kumardhubi, Asansol, Bangalore and Baroda, is one of the country's leading manufacturer of Crushing, Screening, Milling, Material Handling and mineral processing and other heavy equipment, serving the core sectors of the economy. These sectors include Coal, Mining, Power, Steel, Ports, Cement, Aluminium and Non-Ferrous Metals.

All manufacturing units of MSEL are ISO 9001-2008 certified with well established quality assurance department supported by modern testing facilities and

managed by a team of highly experienced professionals.

MSEL has branch offices at Kolkata, Bangalore, Chennai, Delhi, Mumbai, Hyderabad, Nagpur, Vishakhapatnam, Kochi, Vijaywada, Coimbatore. This makes MSEL capable to render comprehensive customer support.

MSEL has inducted technology over the years through strategic alliances and developed focused R&D and Design & Development teams, who offer optimum and cost effective solutions to meet customer needs.

APPLICATION

MSEL Ring Granulators are robustly designed dependable crushing machine specially designed for continuous high capacity crushing of ROM coal and similar friable materials like Gypsum, Lignite, Chemicals etc. It is ideally suitable for crushing power grade coal to a size suitable for Power Station prior to Pulverization. Ring Granulators are basically developed from conventional grate bar type swing Hammer Mill by replacing the hammers with floating Hammer rings.

OPERATING PRINCIPLE

The unique crushing action by combined effect of impact force as well as rolling compression by the floating ring hammers yields high crushing ratio, high throughput capacity & controls of both oversize as well as fines, thus making it highly popular crushing machine for power plant application.

Product size is controlled by adjusting the relative position of crushing surfaces with respect to Hammer Circle and changing screen plate opening as required.

Small Tramp iron pieces as may be present in the feed material that escape from the magnetic separator/metal detector and go into the Crusher are collected at Tramp iron Tray

CONSTRUCTIONAL FEATURES

- Fabricated ribbed steel frame made of heavy plates easily accessible for inspection & maintenance.
- Forged alloy steel shaft.
- Heavy duty anti-friction bearing in Cast Steel housing with hydraulic bearing mounting & removal arrangement.
- Positive adjustment of clearance between the cage and the path of the rings is provided to compensate for wear and to adjust and maintain product size.
- Breaker plates, crushing rings, cage bars & other wear components are rugged and made of abrasion resistance steel.

- Plain and combination of plain & toothed crushing ring are provided to achieve best crushing action. The rings are specially shaped for efficient crushing and for maximum service life.
- Balanced Rotor.

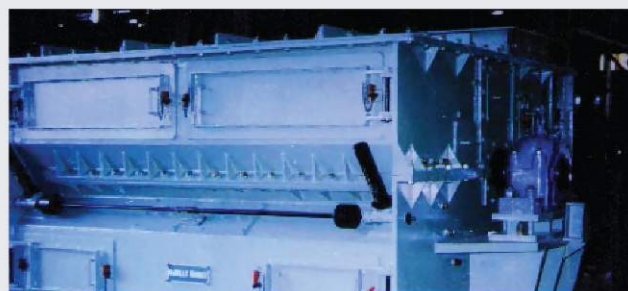
SALIENT FEATURES

- Robustly designed & rugged construction enables it to accept large feed size & crushing with high reduction ratio.
- Low power consumption.
- Low maintenance cost & long service life because of high workmanship & quality materials.

AVAILABLE SIZES

MSEL MODEL NO.	FEED OPENING (mm).	MINIMUM MOTOR POWER (Kw)	Approx Wt. (Ton) W/o Drive
RG-511	500 x1100	75	4.8
RG-721	700 x 2100	350	18.5
RG-729	700 x 2900	550	27
RG-733	700 x 3300	700	28
RG-733H	700 x 3300	750	30
RG-1033	1000 x 3300	1100	42

NOTE: As improvements are made from time to time, specifications and other details are subject to change without notice.



McNally Sayaji Engineering Limited

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Crusher | Screen | Grinding Mill | Feeder | Conveyor | Wagon Tippler | Pulley & Idler | Port Crane | Stacker Reclaimer | Mobile/Skid Mounted Crushing & Screening Plant | Slurry Pump | Thickener | Flotation Cell | Pressure Vessel | Equipment for Iron Ore, Steel, Cement, Power, Coal & Other Non-Ferrous Metal Processing Plants