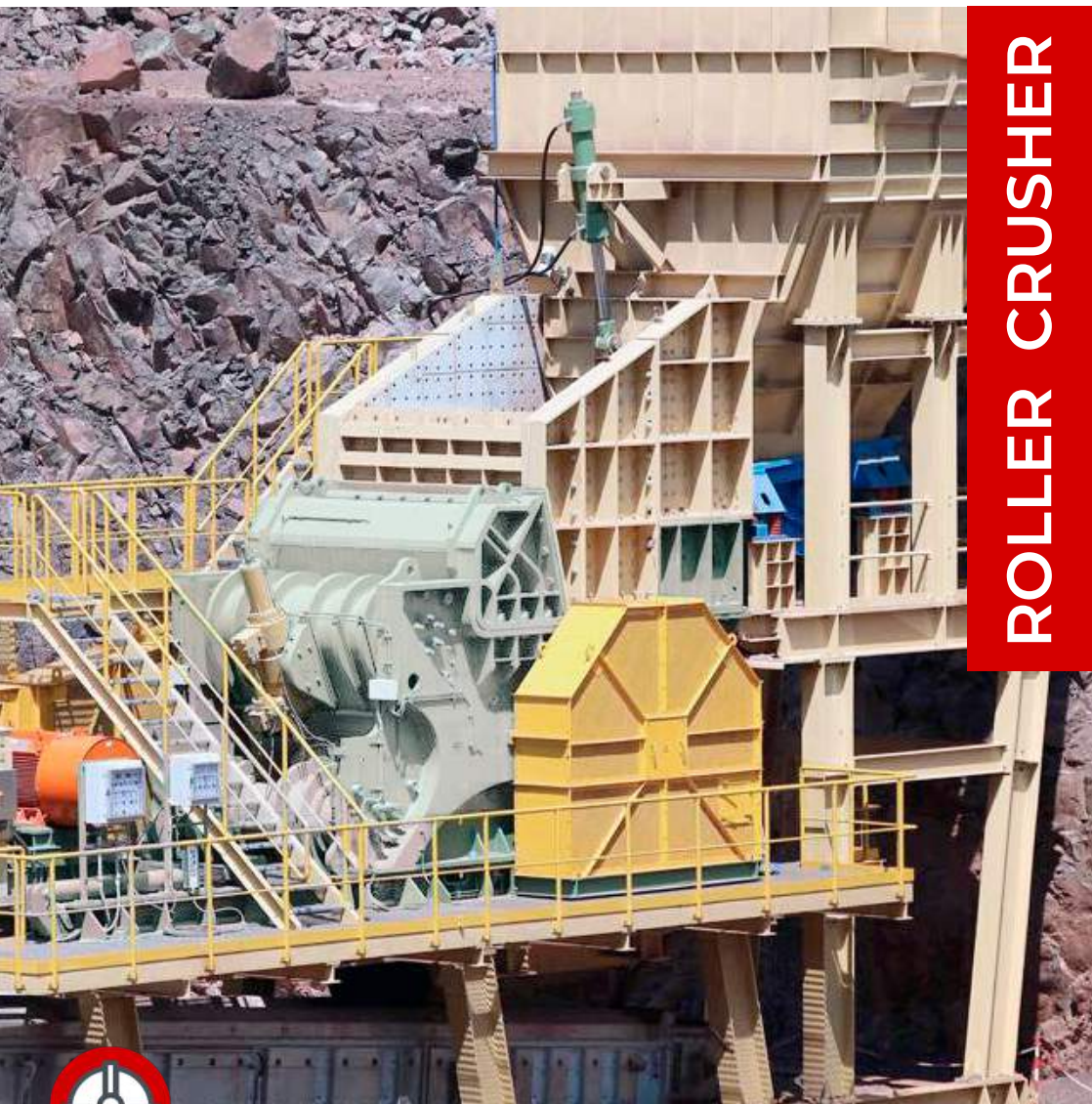


NESANS

mining and automation Pvt. Ltd.



ROLLER CRUSHER



CI Series Double Smooth Roller Crusher

The double roll crusher CI Series is mainly used for Tertiary and Quaternary crushing of middle-sized materials. One benefit of the Nesans double roll crusher is the ability to produce a narrow particle size distribution, thus minimizing the production of undesired product sizes. The smooth roll crusher CI Series offers a suitable solution for fine grinding processes.

The crushing rolls are individually driven in counter rotation by ample drive arrangements. The crushing material is fed into the machine by conveyors or similar systems while it is spread over the whole width of the roll. This is necessary to achieve an optimum use of the crushing tools, a minimum of wear and a uniform final grain size distribution. Parameters like roll diameter, tooth form or circumferential speed are carefully adjusted to the characteristics of the feed material in relation to the required product specifications.



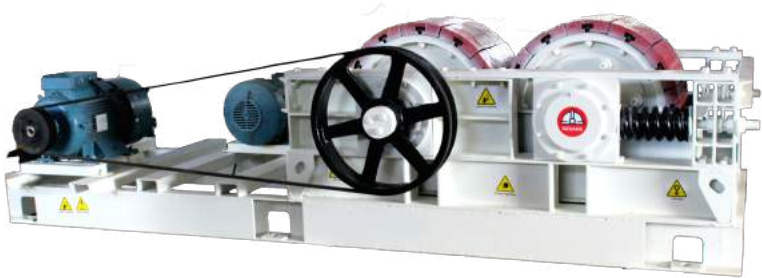
Technical Data

Model No	Roller Diameter mm ft	Roller Length mm ft	Power Requirement Kw hp	Max Feed Size mm In	Capacity mtph
CI456	560 1.8	400 1.3	15 X 2 20 X 2	6	25
CI7550	750 2.5	500 1.6	22 X 2 30 X 2	12	50
CI1200	1200 4	1000 3.3	45 X 2 60 X 2	30	100

The roller shells are made of highly wear-resistant cast alloys. The possible efficiency is between 60 and 70 per cent of the cover thickness. In order to facilitate maintenance, the smooth roller shafts are arranged in labyrinth-sealed plummer blocks with lubricated, amply dimensioned spherical roller bearings.

The roller shells are wearing parts, and are therefore connected to the roller shafts by roller discs and braced with tie rods. This effective assembly method makes the constant re-utilization of the supporting roller structure and the quick replacement of worn roller shells possible.

Depending on the hardness of the feeding material, a machining of the roller surface at different intervals is necessary. This can easily be done by an optional machining device. Thus the installed rolls can be exactly cylindrically turned.



Features and Advantages

- Increased circuit efficiency
- Highly expensive fine cone can be replaced with a VSI + Smooth Roll Crusher combination
- Variable Frequency Drive run Motors
- Dust enclosures to dust barriers and improved bearing covers
- Ideal for producing zone-4 Manufactured sand
- Improved feed chute design to manipulate feed along the width of the drums
- Reduced Maintenance costs and improved performance
- Malleable operation with speed and setting adjusted based on application need
- Cubical shape of the output product
- Easy roll liner replacement and better dismantling mechanisms for repair





Nesans Mining and Automation Private Limited

An ISO 9001:2015 Certified Company

SF No 20/1, Eachanary madukkarai road,
Madukkarai, Coimbatore - 641105, TN

WWW.THENESANS.COM

+91 - 9578 799 755 / 722 / 733 / 744 / 700

Nesans Mining and Automation Pvt Ltd is a minerals processing, segregation, classification and automated control technology and services supplier for the mining, aggregates, and mineral handling industries. We help you achieve your business goals through our enhanced, updated, cutting edge technologies designed to get the maximum out of the minimum available

