



RAKANTHAM CRUSHER SOLUTION

Premium Industrial Spares & Complete Crushing Plants

2026 Product Catalog

Engineered for Performance

Premium Mn18Cr2/Mn22Cr2 Quality • 100% Quality Assurance • 24/7 Support • Worldwide Delivery

sales@rakantham.com | +91 80621 77734 | rakantham.com

Trusted Partner for Premium Crusher Solutions

Our Commitment

Rakantham Crusher Solution delivers premium stone crusher spares and complete crushing plants engineered for performance. We specialize in Mn18Cr2 and Mn22Cr2 industrial spares that meet OEM specifications while providing superior wear resistance and longevity.

Based in Faridabad, Haryana, we serve aggregates and mining operations worldwide with reliable components and turnkey plant solutions.



3+

Years of Excellence

Proven track record in crusher manufacturing

100%

Quality Assurance

Mn18Cr2/Mn22Cr2 grade materials only

24/7

Technical Support

Always available for your operations

15+

Global Markets

Worldwide delivery capability

Head Office: SCF-66, Sector 16A, Faridabad, Haryana-121006

GSTIN: 06FTFPS5696B1ZA | **MSME:** UDYAM-HR-03-0139386



Compatible with Leading Brands

Our spares and plants integrate seamlessly with major crusher manufacturers, ensuring OEM compatibility and optimal performance.



Global OEM Brands

All Major Models



Leading Crusher Brands

All Major Models



Global OEM Brands

Complete range of jaw and cone crushers



Leading Crusher Brands

All standard and premium configurations

Complete Crushing Plant Solutions

Turnkey installations from 100 to 200 TPH, engineered for maximum efficiency and minimal downtime.



Primary Crushing

RAK-Series jaw crushers handle initial size reduction with robust Mn18Cr2 components



Secondary Crushing

High-performance cone crushers refine material to precise specifications



Tertiary Shaping

VSI crushers produce cubical aggregates and M-sand for premium applications



Classification

Multi-deck screens sort output into multiple grades simultaneously

100 TPH Plant

- 2-Stage or 3-Stage configuration
- 300-400 HP total power
- Input: 500mm max
- Output: 0-6mm to 40mm

150 TPH Plant

- RAK110 Jaw + RAK300 Cone
- 500-600 HP power
- Input: 600mm max
- M-Sand production

An aerial photograph of a 100 TPH plant configuration in a quarry. The plant consists of several green and orange conveyor belts, crushers, and screening units. The brand name 'RAKANTHAM CRUSHER SOLUTIONS' is visible on several pieces of equipment. The plant is situated in a hilly, forested area with a dirt road and piles of crushed material in the foreground.

100 TPH Plant Configuration

Capacity & Configuration

100 TPH output with 2-Stage or 3-Stage processing. Jaw + Cone + VSI combination for versatile applications.

Power Requirements

300-400 HP total motor power. Efficient energy consumption with optimized crusher settings.

Feed & Output

Max input: 500mm stones. Output grades: 0-6mm, 10mm, 20mm, 40mm, and GSB specifications.

Screening System

3-Deck or 4-Deck vibrating screens for precise product classification and quality control.

Ideal for small to medium quarry operations, road construction aggregates, and regional suppliers requiring reliable production rates.

150 TPH Plant Configuration

Enhanced Performance Features

The 150 TPH plant combines All Major Models jaw crusher and All Major Models cone crusher in a 3-Stage configuration for superior aggregate quality.



- **500-600 HP Power**

High-capacity motors for consistent throughput

- **M-Sand Production**

PLC-automated VSI for manufactured sand

- **600mm Max Feed**

Larger input capability for quarry efficiency

- **IoT Monitoring**

Real-time performance tracking and alerts



Key Advantage: IoT-enabled monitoring provides predictive maintenance alerts and performance optimization through cloud-based dashboards.



200 TPH Plant Configuration

Maximum Capacity Solution

RAK150 Jaw + RAK400 Cone in 3-Stage configuration delivers 200 TPH for high-volume aggregate production. 700-800 HP total power with SCADA automation and NHA1 specification output.

SCADA Automation

Centralized control system monitors all parameters with real-time adjustments

Big Brand Compatible

Compatible with all major OEM specifications

NHA1 Grade Output

Meets national highway authority specifications for construction aggregates

Designed for large quarries and major infrastructure projects requiring continuous high-volume production with minimal operator intervention.

RAK-1006 Jaw Crusher



Primary Crusher Specifications

Feed Opening

1060mm × 700mm for maximum material intake

Capacity

Up to 250 TPH throughput

Motor Power

110kW heavy-duty electric motor

Applications

Limestone, granite, basalt, and hard rock crushing

Robust primary crusher engineered for continuous operation in harsh quarry environments. Mn18Cr2 fixed and swing jaw plates provide extended wear life.

RAK-430 Cone Crusher

Secondary Crushing Excellence

Head Diameter

1300mm standard configuration

Capacity Range

180-220 TPH adjustable output

Motor Power

160kW hydraulic drive system

Hydraulic CSS

Clearance control for precise sizing

Protection System

Uncrushable material relief mechanism



Advanced hydraulic system automatically adjusts closed-side setting and protects against tramp iron. Mn18Cr2 mantle and concave deliver superior wear resistance.

Premium Jaw Crusher Spares

Complete range of Mn18Cr2 grade wear parts compatible with All Major Big Brand Crusher Companies.



Fixed Jaw Plate

Mn18 grade for extended service life in primary crushing applications



Swing Jaw Plate

High-manganese alloy with superior impact resistance and wear characteristics



Cheek Plates

Side liners protect crusher chamber with replaceable wear surfaces



Toggle Plate

Overload protection component engineered to fail safely under extreme loads



Flywheel

Cast steel construction balances inertial forces for smooth operation



Eccentric Shaft

Forged alloy steel with precision bearings for reliable power transmission



Side Plates

Heavy-duty steel frames maintain structural integrity under crushing pressure



C106 Pitman

OEM-compatible replacement for All Major Big Brand crushers with exact specifications

Quality Assurance: All spares manufactured to Mn18Cr2/Mn22Cr2 specifications with 100% QA testing. Available for immediate worldwide delivery with technical support.

Cone Crusher Spare Parts

Compatible with All Major Big Brand Crusher Companies — Global OEM Models.



Mantle

Moving liner (Mn18/Mn22) with 3000-5000 hr wear life and HB200-260 hardness. Compatible with All Major Cone Crusher Models of Big Brand Companies.



Concave/Bowl Liner

Durable liners ensuring uniform crushing chamber wear for consistent product quality.



Torch Ring

An essential component designed for reliable cone crusher maintenance and sealing.



Socket Liner

Precision machined for smooth head rotation and reduced friction during operation.



Spider Bushing

High-quality bronze construction ensuring top support reliability and longevity.



Arm Guard

Protective guards designed to prevent wear and damage to the spider arm.



Dust Seal

Provides effective debris protection, safeguarding internal components from contamination.



Eccentric Bush

Bronze-grade eccentric bush engineered for reliable and precise operational movement.

 Key Specifications:

- **Material:** Mn18Cr2/Mn22Cr2
- **Hardness:** HB200-260
- **Wear Life:** 3000-5000 Hours
- **Weight:** 200kg-4000kg

Compatible with Leading Brands & Models

Rakantham solutions are engineered for seamless integration with industry-leading crusher models, ensuring optimal performance and extended lifespan for your equipment.

Jaw Crushers

We support a comprehensive range of jaw crusher series, providing reliable spares and solutions for continuous operation.

- **C Series:** C80, C96, C106, C110, C116, C120, C125, C130, C140, C160
- **CJ Series:** CJ408, CJ409, CJ211, CJ411, CJ412, CJ612, CJ613, CJ615

Cone Crushers

Our parts and expertise cover various cone crusher models, maintaining their efficiency and output quality.

- **HP Series:** HP100, HP200, HP300, HP500, HP800, HP4
- **GP Series:** GP100, GP100S, GP11F, GP200S, GP220, GP300, GP330, GP500, GP500S, GP550
- **CH Series:** CH420, CHS430, CHS440, CH660, CH870, CH890, CH895

VSI & Specialized Equipment

From vertical shaft impactors to specialized feeders and screens, we offer support across a diverse range of crushing and screening equipment.

- **VSI Crushers:** 7150 VSI, 9100 VSI
- **Gyratory Crushers:** S4265, S5065, S5475, S6079, S6275, S6011
- **Other:** Screen Vibrators (MV2, MV3, MV4), Grizzly Feeders (VF661, VF866, TK9), HRC8, Scrapleu 2000

VSI Crusher Spare Parts

Tungsten Carbide & High-Grade | Long Life | High Abrasion Resistance | Precision Engineered



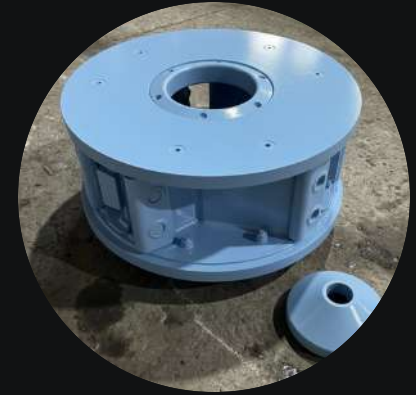
Rotor Tips

Long-life TC rotor tips for VSI crushers. High abrasion resistance for extended service life.



Cavity Wear Plates

Protective wear plates safeguard the VSI crushing chamber from severe abrasion.



Distributor Plate

Ensures even feed distribution into VSI rotors, vital for consistent output and product shape.



Feed Tube

Durable feed tube precisely guides material into the VSI rotor, optimizing impact efficiency.



Upper Wear Plate

Provides crucial wear protection for the upper internal components of the VSI crusher.

All VSI parts engineered for maximum wear life | Contact: sales@rakantham.com



Plant Accessories & Material Handling

Optimize your crushing plant's efficiency and material flow with our robust range of accessories and conveyor systems.

Plant Accessories



Grizzly Feeder (RAK-VGF)

Heavy-duty vibrating feeder with grizzly bars efficiently separates soil and fines from feed material for robust, continuous quarry operation.



Vibrating Screen (RAK-VS-2060)

20ft x 6ft inclined vibrating screen with a 4-deck design, producing four distinct product sizes simultaneously through high-frequency, precise screening.

Conveyor Systems



Conveyor Belt

Industrial rubber conveyor belts available in heat-resistant and tear-resistant options, ensuring durability and performance in demanding environments.



Conveyor Roll

Heavy-duty steel conveyor rollers designed for smooth, reliable material handling and extended operational life.



Conveyor Gear Box

Reliable and efficient gearboxes engineered for demanding conveyor drive systems, ensuring consistent power transmission.

Complete material handling solutions for 100-200 TPH plants | Contact us at sales@rakantham.com

Rakantham Owner's Survival Guide

Keep Your Plant Running — Maintenance, Troubleshooting & ROI Analysis

Main Problems to Avoid

- Improper maintenance and not servicing on time.
- Wrong feed material (incorrect size or type).
- Overloading beyond plant capacity.
- Poor lubrication (wrong oil grade or insufficient quantity).

Golden Rules for Operators

- Daily inspection for cracks, loose bolts, and unusual noises.
- Proper feeding: balance center and side loading for even wear.
- Strictly follow the lubrication schedule and use recommended oil grades.
- Replace worn parts (liners and plates) proactively and on time.

You built the plant to run, not to repair — Rakantham Crusher Solution

Why Industry Leaders Choose Rakantham



Premium Material Quality

Mn18Cr2 and Mn22Cr2 alloy steel ensures maximum wear life of 3000-5000 hours, outperforming industry standards.



OEM-Precision Fit

Machined profiles matched exactly to All Major Big Brand Crusher Companies for seamless OEM integration.



Complete Plant Solutions

Turnkey crushing plants (100-200 TPH) with comprehensive after-sales support for end-to-end operation.



Minimum Downtime

Fast dispatch of genuine parts and 24/7 technical support team ensures continuous operation.



Worldwide Delivery

Global shipping capabilities for all spare parts and complete plant equipment, ensuring timely delivery.



MSME Certified

Government certified business (UDYAM-HR-03-0139386), GST Verified: 06FTFPS5696B1ZA, Registered Company India.

Request a Quote - 2026

Get in Touch with Rakantham Crusher Solution

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