



Principals – Yolanda Torrisi & Zhiping Gu

CHINA ADDRESS: Room 705, Towercast Plaza No 3, Maizidian West Road  
Chaoyang District, Beijing, China 100016 Phone: +86 10 845 80316

Email: [zhiping680@qq.com](mailto:zhiping680@qq.com)

AUSTRALIA ADDRESS: 1 Sevenoaks Street Balwyn, Melbourne, Victoria,  
3103 Australia Phone: +61 412 261 870

Email: [yolanda@yolandatorrisi.com](mailto:yolanda@yolandatorrisi.com) or [enquiries@asia-connections.com](mailto:enquiries@asia-connections.com)

# TCC Crushing Solutions

Focus on One Thing, Do it Best.



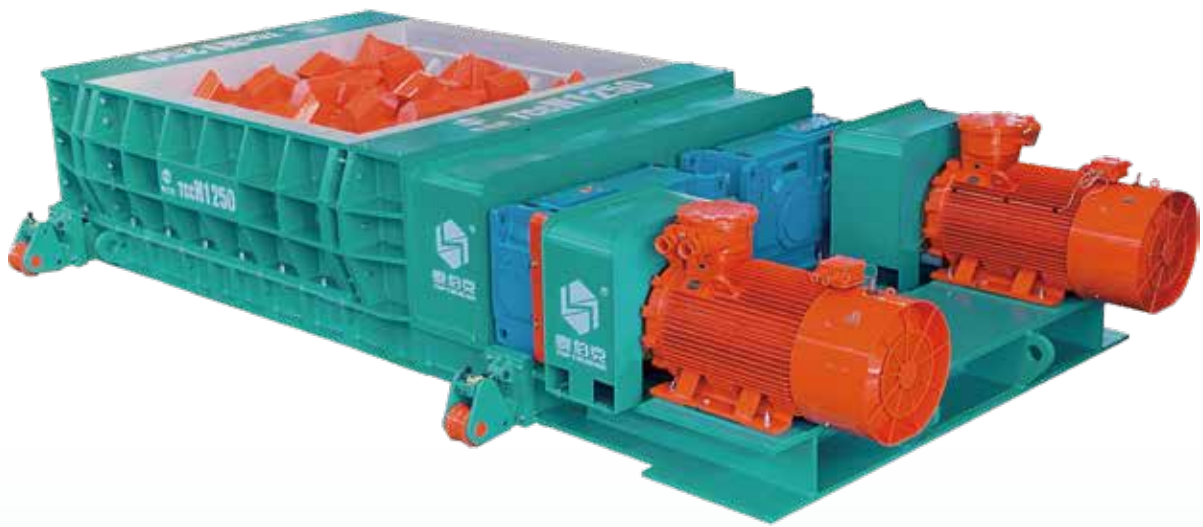
Crusher·Feeder·Screen & Plant Solutions

TOP CRUSHER CO., LTD /TCC

# Sizer Crusher

**Since 1994**, TCC has been manufacturing sizer crusher. The sizers are successful in multiple applications and are often the preferred choice in iron ore, gold ore, coal and bauxite, limestone, nickel ore, lithium ore applications.

TCC sizers are built using the highest quality components and highest design standards. This combination results in a robust design and a dedicated customer base.



## Performance

TCC sizer crusher is one of the more unique crushing technologies in the world today. A combination of high torque and low roll speeds with a unique tooth profile in the TCC equipment leads to a specified product with a best desire particle distribution and minimum of fines creation.

## Maintenance

The sizer teeth are fully adjustable and maintainable to allow for accommodating changes in the process. They can easily be taken apart and moved expediently.

## Benefits of TCC sizer

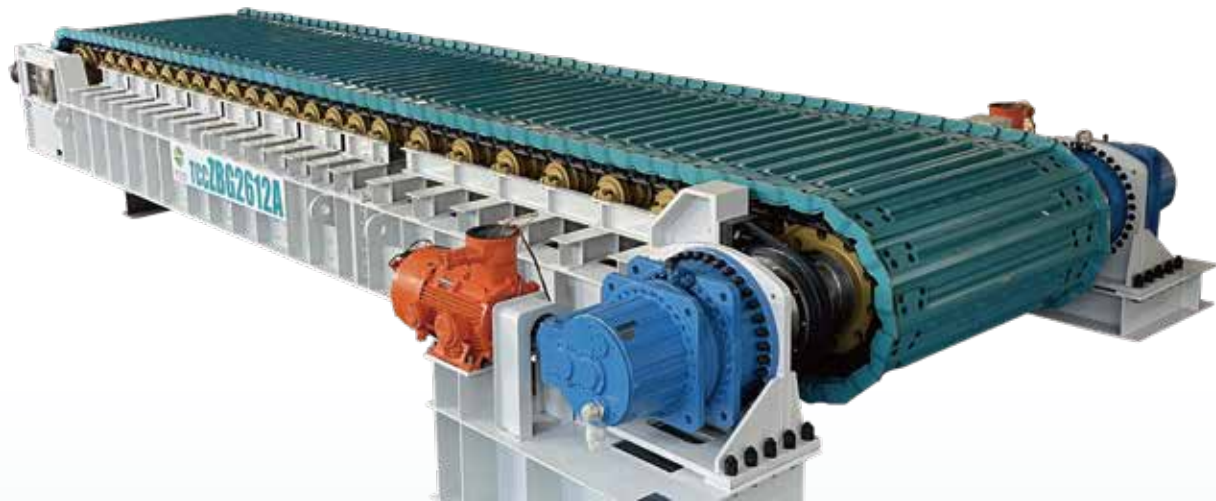
- Minimal fines creation, high lump rate
- Simple structure and ease of maintenance
- High performance-price ratio
- High abrasion performance teeth
- No clog with wet materials
- Low profile, compact design



# Feeder

TCC offers multiple feeders to meet most customer's needs, TCC produces heavy duty apron and scraper feeders for primary ROM applications as well as medium duty apron, grizzly and reciprocating feeders for crushed primary or secondary feed.

TCC has supplied feeders for more than 30 years and continues to modernize their design to meet the demands of the industry. The rugged and reliable construction makes installations easy to operate and maintain, and only a minimum of operator attention is required. The feeders are designed for uninterrupted service.



TCC Apron Feeders come in different sizes for any feeding application.

TCC offers horizontal and inclined Apron Feeders for extracting bulk materials from under a dump hopper or regulated feed to a crusher. Apron Feeders can provide volumetric feed and even metering to prevent flooding. They can also provide a constant mass feed if there is feedback from a belt scale.

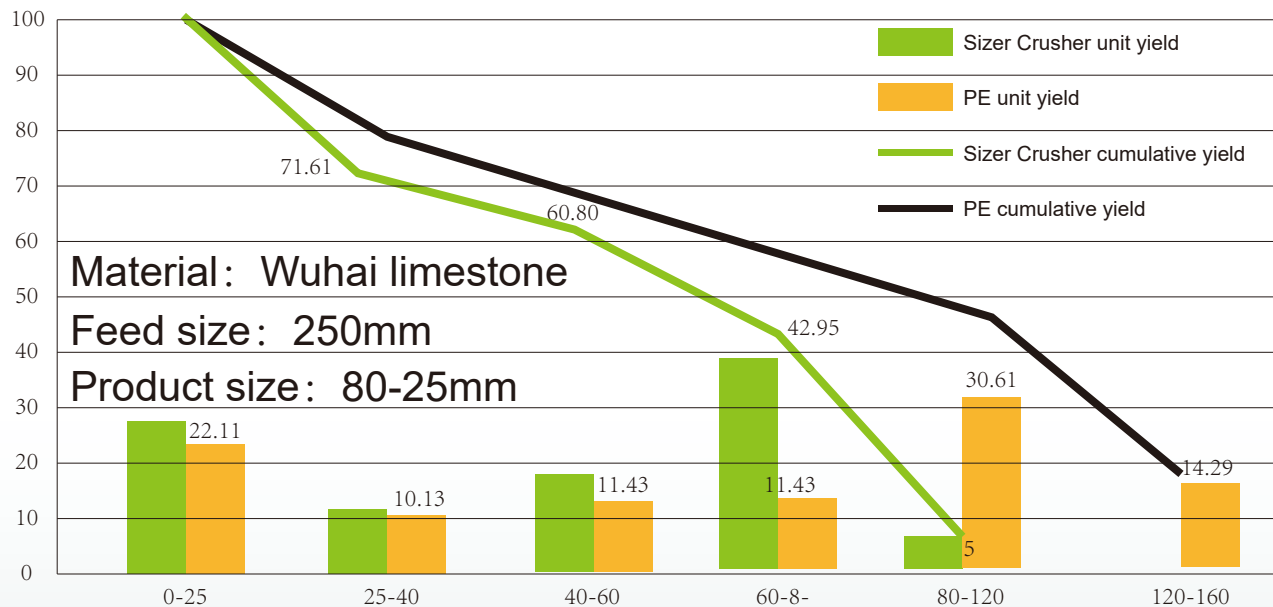
- Impact absorption design
- Versatile installation (horizontal or inclined)
- Reliable operation
- "S" shape Apron with well-knit running
- Easy access for inspection and replacement
- Efficient take-up system



# Sizer Crusher

- ROM feed size up to 2,000mm.
- Capabilities in excess of 15,000TPH.
- Maximum crushing strength: 300 MPa.
- Exceptionally low headroom requirements.
- Simple infrastructure requirements
- Pre-scalping of undersize not required.
- Insensitive to clay and sticky materials.
- Ideal for In Pit Crushing & Conveying systems.

## Product size Distribution of TCC Sizer Crusher & PE600x900



- More than 1000 units sizers models supplied and operation on the market.
- Environmental of low noise, low dust and best desire particle distribution and minimal fines creation.
- Long wear life of consumable elements due to positive bite, minimal feed slip and Wear-resistant technology.



# Crushing Systems

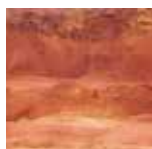


TCC is more than just a crushing equipment supplier, we are a solutions provider. We offer extensive leading equipment lines for complete flowsheets.

TCC integrates testing, detailed design engineering, global procurement, expert process control, and localized services to ensure fully customized solutions for our clients. Along with equipment, TCC provides the support you need to be sure that your plant gets up and running quickly and stays maintained for maximum performance.



**Gold ore**



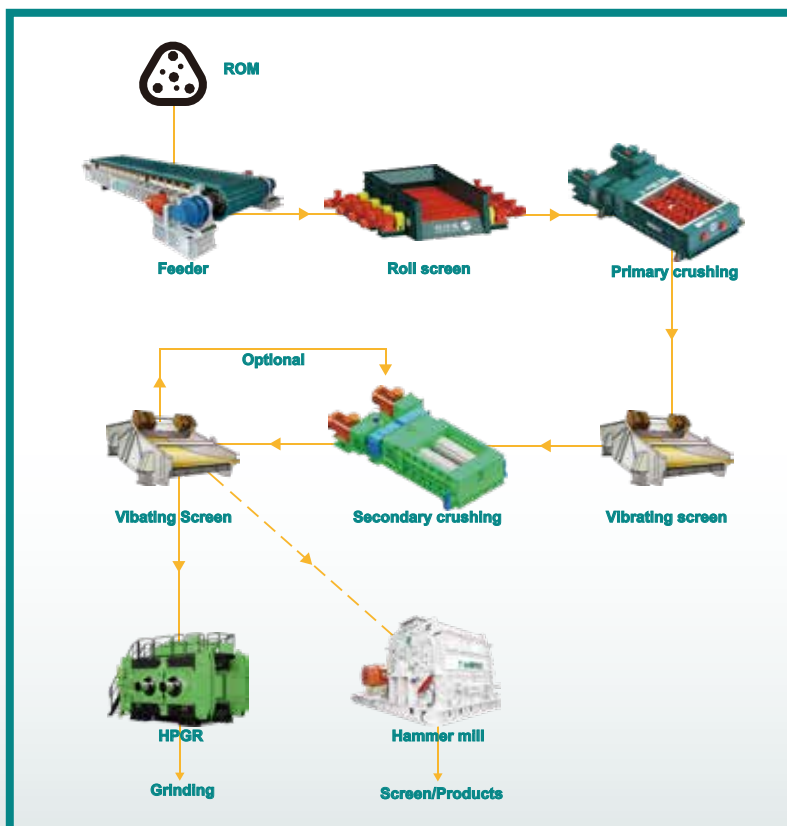
**Bauxite**



**Potash ore**



**Nickel ore**



**Coal**



**Fluorite ore**



**Limestone**



**Lead zinc ore**

TCC equipment, whether it is our sizer crusher, feeder breaker, semi-mobile crushing station, hammer crusher, roller screens, or apron feeders, scraper feeder has continuously withstood the harshest requirements found in the world's mines and rock quarries for over years, our equipment delivers the rugged dependability needed to keep your plant running while delivering the results you're looking for. With improve safety maintenance, intelligence and performance features, TCC allows you to get more out of your operations with higher reliabilities and safer maintenance.



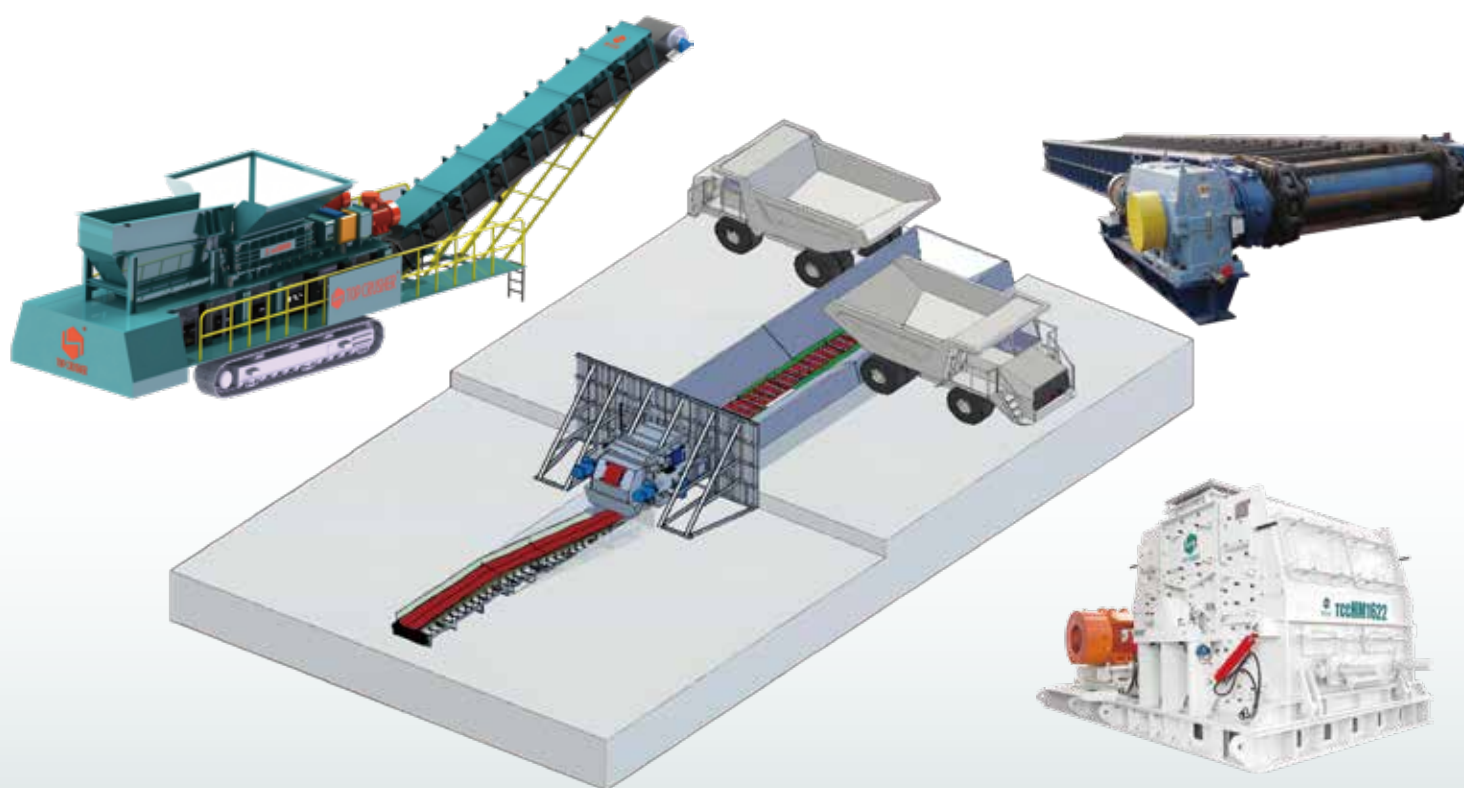
TOP CRUSHER CO., LTD /TCC  
 Website: [www.tccsizer.com](http://www.tccsizer.com)  
 Email: [tcc@topcrusher.net](mailto:tcc@topcrusher.net)  
[taibokey@163.com](mailto:taibokey@163.com)



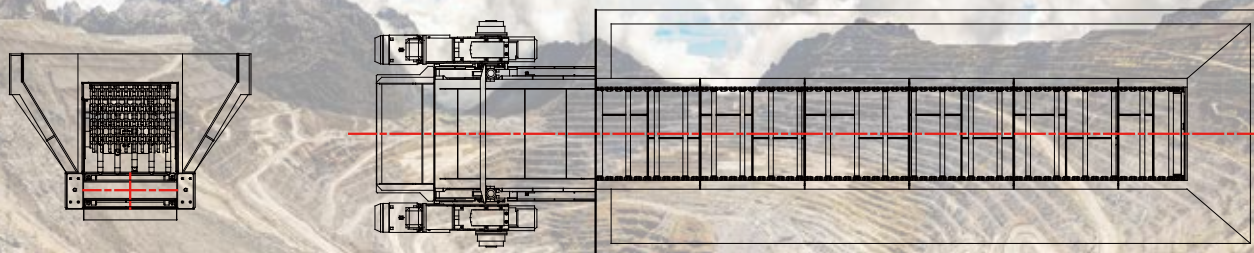
WhatsApp: +86 15010651331  
 13381097358  
 Tel/Fax: +86 22 82958110  
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# Feeder Breaker

TCC offers flight-bar feeders, flightless-feeders, and feeder breakers for truck-fed, loader-fed, and dozer-fed applications. The TCC feeders and breakers are ideal for low-height applications such as open-pit reclaim and also underground mining operations. This equipment can be supplied for fixed or semi-mobile installations.



- Minimum maintenance
- Large reduction ratio
- Adjustable drum height for optimal sizing
- Do not need high wall
- Dual drive system
- Flat on ground



# Sizer Upgrading

## UK Brand Crusher



Made by TCC  
comparable to Model 1150



Made by TCC  
comparable to Model 850



Made by TCC  
comparable to Model 625



On-site Repair of  
Model 500 Crusher

## American Brand Crusher



6520 Crusher  
Pre-Improvement Application



6520 Crusher  
Roller to be Repaired



6520 Crusher  
Roller after renovation



5030 Crusher  
Roller after renovation

## German Brand Crusher



15-0815  
Double Roller Crusher



15-0815 tooth plates  
after renovation



36x48 Crusher to be  
renovated



36x48 Tooth plates  
after renovation

## South Africa Brand Crusher

## Australian Brand Crusher



T1250  
Crusher to be renovated



T1250  
Original tooth plates



Tooth plates made by TCC



# Crushing Stations



TCC Semi-Mobile crushing stations combine the efficiency of conveyor haulage with the flexibility of short haul truck and shovel. With this proficient blend, your operation will maximize mining flexibility, cut out waste inefficiencies, and increase productivity in the process.

With only short haulage routes from the mine face to the Crushing Station in the pit, you'll see significant savings in your energy usage, road development and maintenance costs too, delivering a much lower cost per ton.



Every detail is meticulously crafted. As such, you can be assured every Crushing Station is composed of entirely established and durable components. The TCC sizer crusher and TCC heavy duty apron feeder are just that. Specifically designed to ensure functionality during even the harshest of conditions, you are assured maximum reliability.

- Integrated operation: Feeder, sizer, conveyor for high efficiency.
- Versatile mobility: Adaptable to complex terrains.
- Modular design: Easy assembly, no foundation needed.
- Reliable, efficient, low energy, minimal investment.



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