

Spare and wear parts for crushers and screens



Perfect fit for
your peace
of mind

Quality, expertise, and availability boost your profitability

Crafted to the same strict specifications and exacting standards as our equipment, our genuine parts ensure equipment compatibility for trouble-free operation.

Quality

The smallest material defect - even those you cannot detect visually - can cause part failures ranging from stopped operations to equipment damage, and even worse, accidents. To achieve cost efficiency, long service life and unsurpassed safety, we use the highest quality material to make our parts.

Expertise

Through our heritage trademarks, we have over 100 years of equipment experience. However, the Metso advantage doesn't stop there. Experts at our laboratories continuously conduct research and analysis to provide customers with safe and innovative solutions.

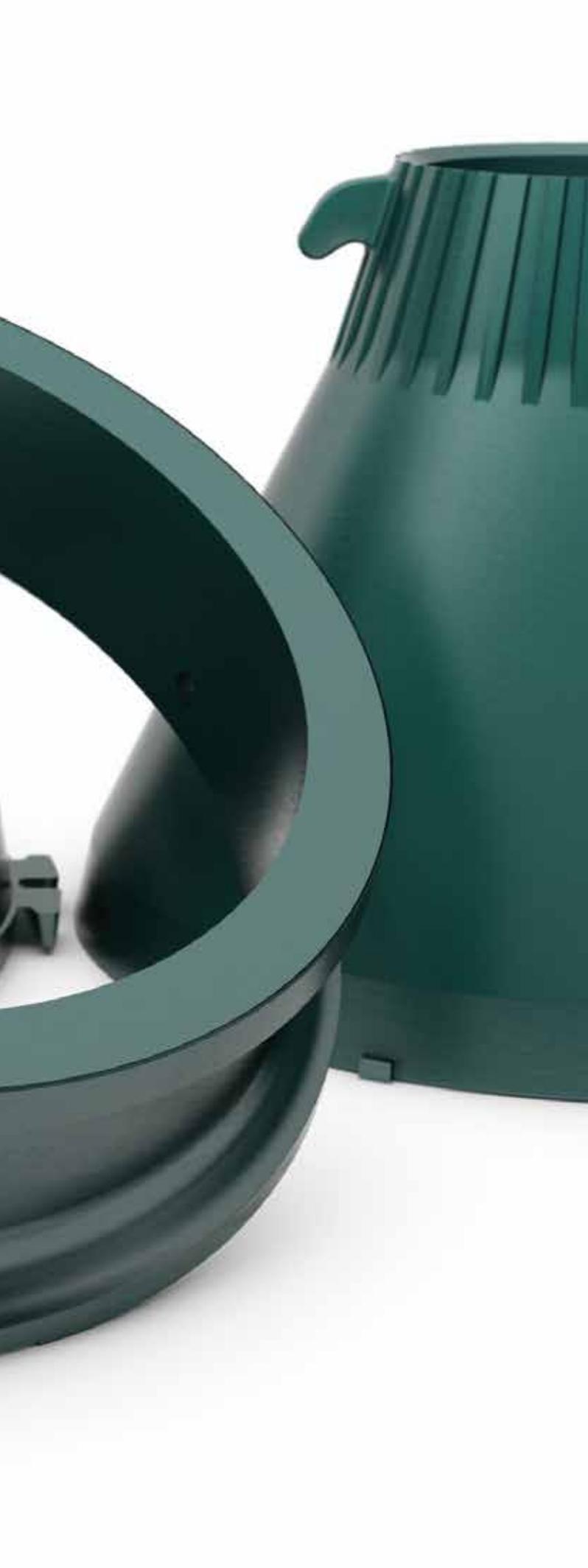
Availability

With strategically located distribution centers world-wide, our parts are readily available when you need them. Metso replacement parts help maximize your production time and minimize your costs.

Trust is another reason to choose Metso OEM parts. You can be confident of buying well made, reliable spares and wears that lengthen the lifetime of your equipment, boost your production rates, and increase your machinery's resale value.

OEM parts provide you peace of mind through long-lasting solutions.





More production, less milling through optimized wears and improved fine crushing

Thanks to longer lasting wears and more efficient fine crushing, grinding performance increased by 30% at KMARuda's underground iron ore operation in Stary Oskol, Southwestern Russia. Total grinding time needed went down by over 11,000 hours and energy consumption by 2.95 kW per grinded ton.

"A few years ago, we faced difficulties with our processing equipment, mainly caused by the wet, extremely wearing, quartzite-containing ore. Then we learned about Metso's crushers, pumps and wear expertise," says KMARuda's Main Chief Engineer Alexander Munkh. He adds, "The results are amazing. With Metso special wears, we could increase the lifetime with cone crushers by some 30% and with the jaw crusher even more."

With Metso as KMARuda's wear and process expertise partner, crusher wears using different manganese steel grades and alloys were tested on site. Today, the jaw crusher is operated with Metso MX jaws of a two-piece design. Metso MX technology is a new material solution for high-wear applications. Three cone crushers benefit from extra thick XT720 manganese liners, thus requiring less backing materials than normal.

"Actually, thanks to our improved productivity, we could change the technological scheme and move one grinding mill from the primary stage to the secondary one," says Main Grinding Specialist Vladimir Saveliev.

All through the wear parts and fine crushing development with Metso, KMARuda's productivity figures went up, while milling time and energy costs decreased. The mine was able to process over 420,000 tons more iron ore per year, resulting in 193,000 extra tons of iron concentrates.

"Our cooperation began with cone and jaw crushers and now extends to pumps and wear parts development. Today we can well thank Metso for its support in constantly developing our mining processes. Any problems have been resolved quickly, and we have an excellent relationship," says Munkh. ■



Fit to purpose with our unique know-how

OEM parts are backed by our ability to provide solutions with precise engineering, full compatibility, and first-rate materials for trouble-free operation over an extended service life.

Never compromise the structural integrity of your machine

Fit to purpose means we understand your equipment because we built it. By purchasing from the original manufacturer, you are assured of getting parts made to current specifications and critical tolerances. Our competitors are forced to make their imitation parts through reverse engineering using guesswork to determine acceptable deviations.

Our constant focus on quality ensures your equipment is safe and reliable

Experts at Metso laboratories continually analyze the properties of different materials. The research results provide a solid foundation to produce high-quality parts at our own foundries and manufacturing facilities. This means we have complete control over quality at every stage of the process, from the selection of raw materials through the final product.

Metso product development is established at 16 locations in Finland, United States, Canada, France, Germany and Sweden. Our research projects focus on improving our customers' core processes and developing wear and spare parts.

| EQUIPMENT | SPARE PARTS | WEAR PARTS |
|---|--|--|
| Primary gyratory crushers | Spider, top shell, bottom shell, hydroset, main shaft, eccentric, pinion, lubrication system, drive | Mantles, concave segments, bottom shell side liners, spider cap, arm liners, rim liners |
| Jaw crushers | Frame, adjustment system (hydraulic or mechanical), mounting system, motor base lubrication system, toggle plate | Jaw plates, cheek plates |
| Cone crushers | Main frame (lower/upper), main frame sealing, main frame pins and bushings, sub frames, belt guards, feed hoppers, discharge chutes, adjustment ring, bowl, head, socket, main shaft, eccentric, anti spin, thrust bearing set, countershaft, piston, lubrication system, hydraulic system, clamping oil chamber, tramp release cylinders, clamping cylinders, cavity cleaning cylinders, top bearing, drive | Feed cone, main frame liners, mantle liners, bowl liners, protection cones, arm guards |
| Horizontal and vertical impact crushers | Hopper body, cascade cylinders, feed tube, crushing chamber, crusher base | Blow bars, breaker plates, liner plates, tip sets, distributor plates, wear plates, anvils and shoes |
| Mobile and portable crushers | Frame and final drives, feed hopper, hopper walls, conveyor frames, gearbox, hydraulic motors | Wear parts as per crusher model |
| Screens and feeders | Sideplates, deck frames and cross members, body frame and cross members, feed box, discharge spout, pipe spacer, bolts, motor and unbalanced motors, vibratory mechanism, snubbers, cardan shaft, jack shafts and couplings, vibrators and bearings, pedestal bases, spring brackets, springs | Rubber screening media, polyurethane screening media, wire screening media, rubber wear plates, polyurethane wear plates, Poly-Cer wear plates |
| Mobile and portable screens | Frame and final drives, conveyor frames, screen eccentric shaft, bearings and housings, screen side plates, deck frames, cross members and springs, hydraulic pump | Wear parts as per screen model |



Our definition of success is how well we contribute to yours.

With factory machined parts, you can always be sure of a proper fit and a long lifetime.

Right place, right time

If your equipment fails, productivity of your entire plant is at risk. To avoid such losses, you have to be sure critical replacement parts are readily available when you need them.

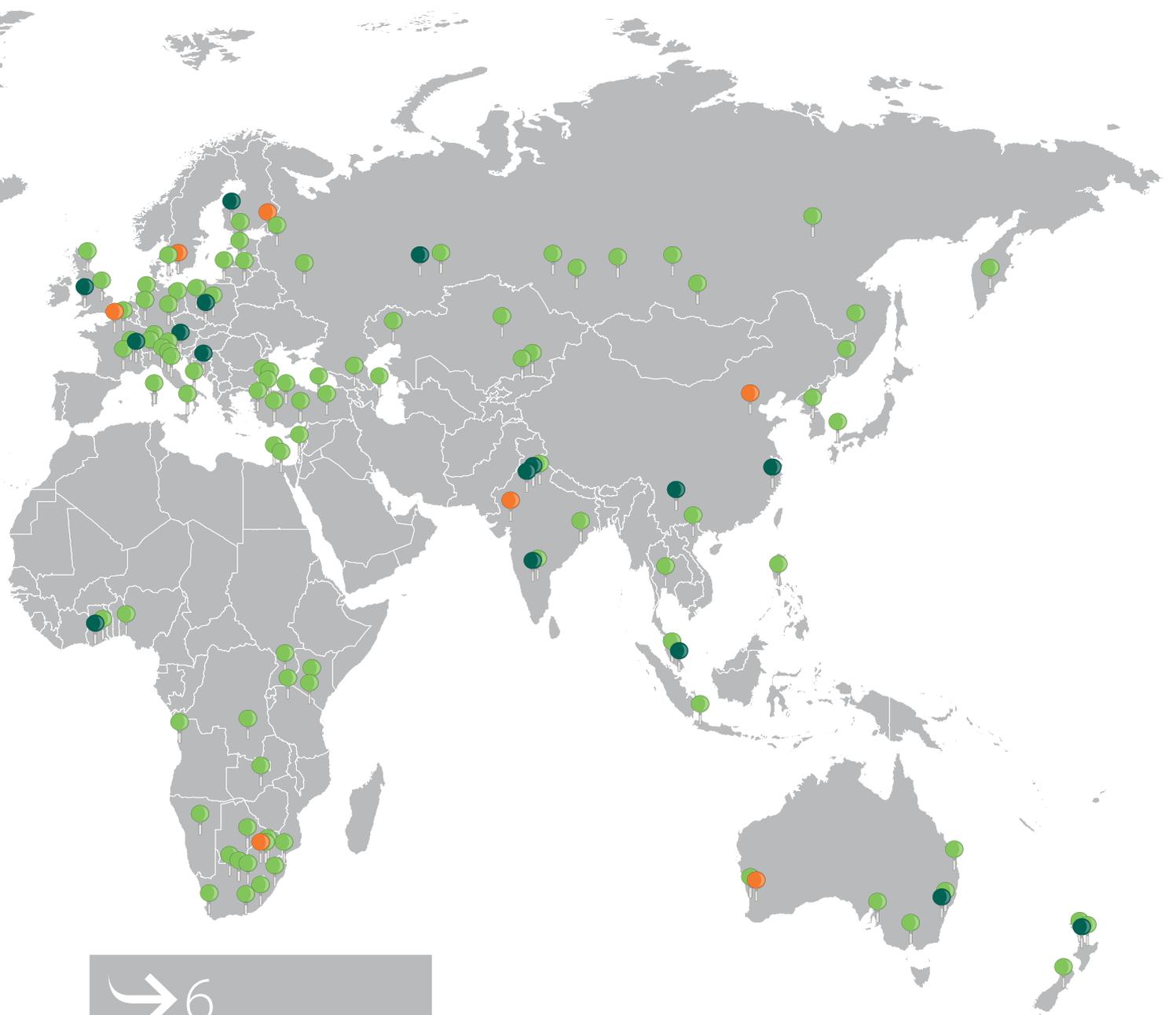


We have access to a global network of parts distribution centers strategically located in regions where our customers' operations are concentrated. These locations are equipped to significantly shorten the entire process - from the time the order is placed through installation of the part.

Metso can develop a lifecycle plan to identify parts imperative to your operation. Using a forecast based on your actual production rates, we can prepare a recommended parts list tailored to your purchasing plan and maintenance schedule.

On your behalf, we can manage the parts inventory, coordinate it across all your sites, and schedule delivery using our global distribution center network. By removing redundant stock, you reduce inventory holding costs and improve cash flow.

You can decide whether to keep crucial parts in your inventory or to use our logistics planning to ensure parts are delivered on time. In both cases, our experience helps you with proper planning. Frequently ordered OEM parts are readily available so they can be quickly and efficiently supplied.



→ 6
Continents covered

→ 10
Regional distribution centers

→ 22
Satellite warehouses

→ 143
Distributor warehouses

Global distribution and logistics network for spares and wears

No matter where you are located, Metso OEM spare and wear parts are close at hand 24/7. Our global network of parts distribution centers is strategically located near our customers' operations so you can rely on our comprehensive and efficient service at every moment in any location.

Every Metso part is supported by our team of experts. We provide service from the time you order a part to beyond its delivery and installation. ■



Many brands, one supplier

We provide continuous support for our current and previous brands of equipment. We are the OEM with original drawings and design details for the following brands:

- Allis Mineral Systems
- Altairac
- Barmac
- Bergeaud
- Big Bite
- C Jaws
- Citycrusher
- Dragon
- Faço
- G-Cone
- Goodwin Barsby
- Gyradisc
- Kue-Ken
- Laser
- Lokomo
- Lokotrack
- Loro & Parisini
- MP, HP & GP Cone crushers
- Nordberg
- Nordberg Barmac
- Nordberg Impact crushers
- Nordpactor
- Nordwheeler
- Omnicone
- Superior
- Svedala
- Svedala Arbrå
- Symons
- Tidco
- Waterflush



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