



PARTNERSHIPS IN PRACTICE



INNOVATIVE SOLUTION-DRIVEN MINING PRODUCTS AND SERVICES





DYNAMAX MILL LININGS

For Dynamic Innovation and Maximum Endurance

The DynaMax® range of mill liners offer the mining industry the optimum in mill lining endurance and reliability for a range of mill applications. Our clients demanded dynamic innovation and maximum endurance from their linings to maximise mill efficiencies and output, as a result TEGA delivered the DynaMax® range of mill liners.

As a result of its powerful assimilation of technology and experience across over 350 installations, TEGA is an established solution provider in the field of wear resistant mill liners, providing optimal grinding solutions to major mineral processing across the globe.

Integrated Liner



The DynaPrime® product (formerly Combi® Liner) is positioned within the range as the premium liner for the tough grinding demanded for AG and SAG mills.

Tough Grinding Innovation

For the tough grinding applications in large diameter SAG and AG mills TEGA developed a liner system as durable as the conventional steel liners and as resilient as the rubber liners, which was able to withstand the high energy impact with a high degree of resilience.



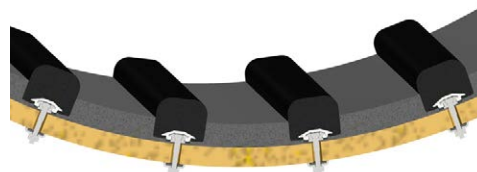
Liner



TEGA's DynaWear® remains the preferred lining systems for secondary ball mills; regrind mills, rod mills, scrubbers, batch and continuous mills.

Innovative Fastening System

The DynaWear® rubber mill linings reinforced lifters have an integrated aluminium track to accommodate the fixing clamp.

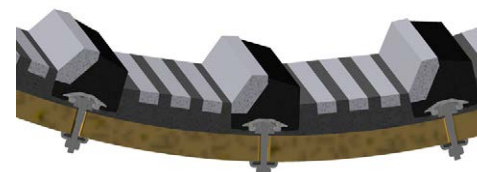


Liner



The DynaSteel® has evolved from our original PM Lining System and the steel and rubber combination of this liner continues to outperform traditional liners in primary applications up to 2.5 times that of traditional rubber liners.

DynaSteel® comes in a number of different metal and rubber combinations to meet the tough duty requirements of different grinding applications.



Discharger System



TEGA DynaPulp® Pulp Dischargers and Upper Discharge Cone have been designed to be used in AG, SAG and Grate Discharge Ball Mills, etc. The DynaPulp® Discharger system can be installed in the mill irrespective of any existing liners and is tested for fitment through TEGA FITSYM.



CONVEYING, WEAR PROTECTION & ORE SEPARATION SPECIALISTS

Losugen is a Perth-based engineering company, 100% owned by TEGA, that specialises in the design, manufacture, installation, maintenance and wear-and-tear monitoring of heavy-duty equipment and products in the mining and materials handling industries.



Rubber Liners

Our Aggression rubber panels can be cut to any shape or size and can also be rolled or shaped to suit individual applications.

- Excellent performance for impact and abrasion
- Maintenance friendly Peek-A-Boo wear life indicator
- Steel backing provides varied fixing options
- Local workshop facilities to support short lead times
- Faster installation minimising down time
- Customisable solutions for: launders, chutes, hoppers, boxes, bins and dump truck bodies.



Ceramic Liners

Our D-Mac ceramic wear liners are made from a combination of steel backed rubber with interlocking ceramic tiles. We have a wide range of both standard and customised sizes with local workshop facilities for a faster turnaround.

- Ceramic for ultimate wear protection
- Rubber/ceramic design to prevent cracking in high impact areas
- Stud welded or counter bored for fixing.



UHMWPE and Polyurethane Liners

Losugen's Ultra High Molecular Weight Polyethylene (UHMWPE) liners are dependable polymer liners that outlast many other lining applications. It's low friction coefficient allows for clean and uninterrupted flow in wet and dry applications and is impact resistant with zero notch sensitivity in conventional lab testing, which makes it suitable for improved flow applications. These liners do not absorb water and are impervious to chemicals and oxidising agents while providing resistance to bacterial growth.

These liners are available in varying thickness and flexibility making them suitable for varied applications such as feeders, hoppers, chutes, bunkers, mine skips and many more.



Chute & Launder flow solutions

The Losugen chute & launder design process involves a series of rigorous design validations enforcing a regular, smooth and efficient material transfer between two points.





Losugen's total conveyor solution centres on Spillage & Maintenance-free and Power optimized (SMP) conveyor system to reduce operation costs and increase client productivity.

- Spillex skirting systems
- Fri-flow impact beds & pads
- Jumbo extra heavy-duty impact beds
- Ceramic pully lagging
- Centrax-tracking rollers
- Ceradisc roller protection



Water Jet Cutting services

Both TEGA and Losugen offer competitive water jet cutting services delivering exceptional precision with intricate shapes quickly cut to within +/-0.25mm. Using fine abrasive jets at ultra-high pressure, the water jet cutting means a wide range of products can be cold cut accurately without damage to temperature sensitive materials.

- Wear liners
- Gaskets
- Mill feed spout seals
- Flanges
- Custom curtains
- Conveyor skirts

Highly efficient wear resistant screen decks that increase screening efficiency, reduce down-time and cost/tonne of material handling.

- Primary, secondary and tertiary screening solutions
- Engineered screen deck design for customised solutions in both rubber and PU panels
- DEM supported optimised screening solutions
- Hard steel reinforced modular feed panels for heavy tonnage and longer life
- Cross-tension panels
- Anti-clogging panels
- Dewatering screens
- Rapido panels
- Flip-flo panels



Installation Supervision, Maintenance and Audits

Both TEGA and Losugen offer clients an end-to-end service for both installation or installation supervision, scheduled maintenance and servicing of all its liners, screens and conveyor components. Our responsive service means our team of highly experienced personnel can be dispatched to client sites as part of scheduled maintenance, with parts and tools located on client sites, or, for ad-hoc servicing to keep our client's productivity optimised.

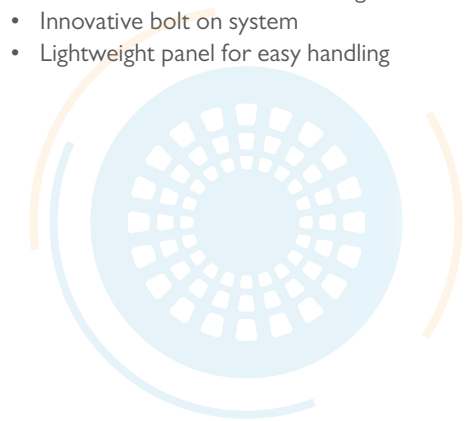
In addition to this, we also offer optimisation audits for mills, screens, transfer chutes, conveyor systems and hydrocyclones mineral beneficiation.



Durable & Cost-Effective Trommel Structure, Panels & Spiral Design

An industry leader in trommel design and fabrication screens, vibrating screens and associated products. for mining and materials handling.

- High screening efficiency
- Less plugging and blinding during operation
- Improved design for longer wear life
- Moulded and customisable designs
- Innovative bolt on system
- Lightweight panel for easy handling



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Innovative Solution-Driven Mining Products and Services

Both TEGA Industries Australia and Losugen, which is 100% owned by TEGA, are founded on engineering excellence that is derived from our extensive technical knowledge and expertise in the design, fabrication and R&D of reliable abrasion and wear resistant products and services that offer maximum endurance.

In a collaborative delivery model, our proactive client partnerships and value-add services are

offered as standard with all our products and services, and work towards optimal and reliable plant production.

For all Australian mining, mineral processing, screening, grinding, material handling and beneficiation of minerals, the TEGA and Losugen brands offer a full suite of products and services, including:

- Mill linings
- Wear resistant liners
- Conveyor components
- Screening and filtering solutions
- Trommels
- Hydrocyclones
- Water cutting services



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