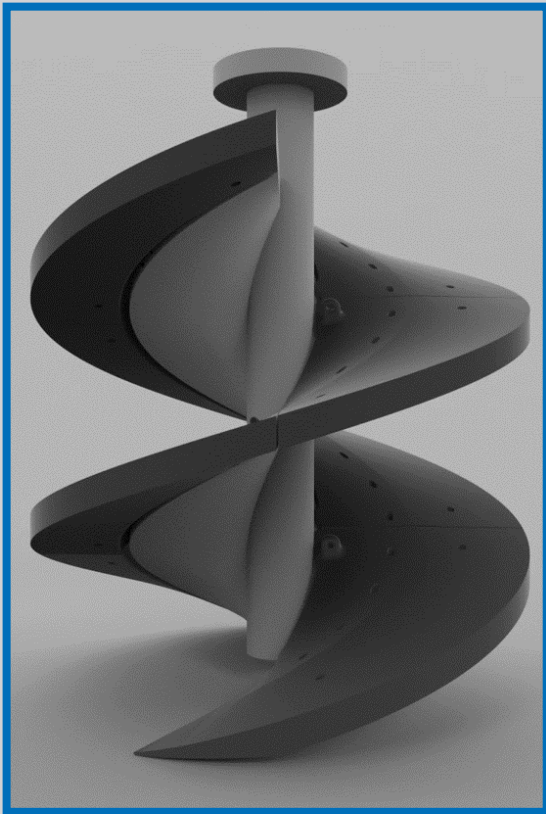




Tower Mill Liners



ME ELECMETAL — A CHAMPION & GLOBAL LEADER IN THE INDUSTRY



High Quality Grinding Mill Liners for Tower Mills

ME Elecmetal is the preferred supplier of integral wear solutions for mining, construction and industry, and a global leader in the design and supply of high quality grinding mill liners for tower mills

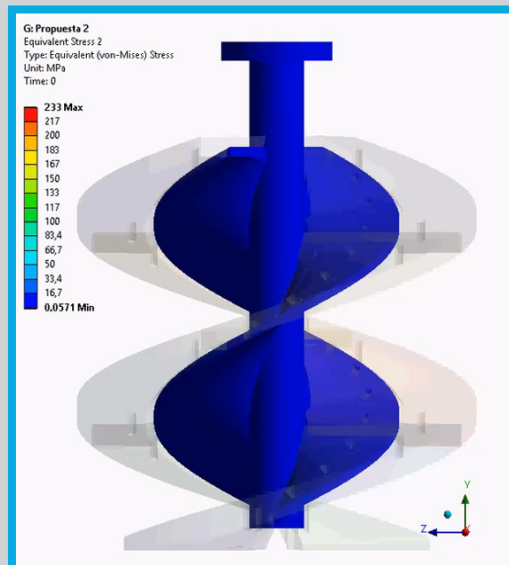
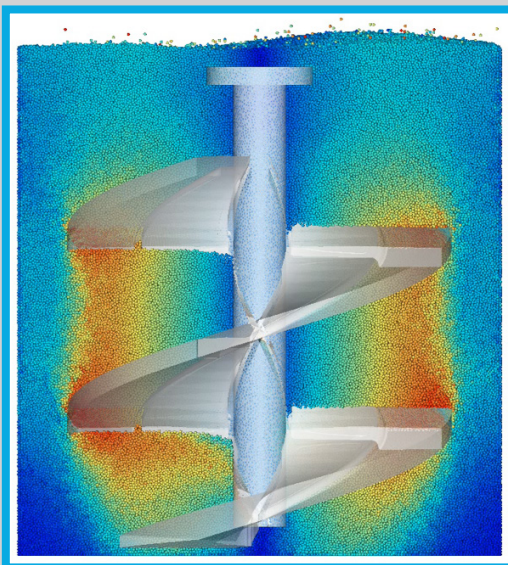
Our tower mill products and services include:

- » Tower mill wear and end liners in sizes for models 400 - 3,000
- » Lifting inserts for ease of installation and reduced manual handling
- » Training
- » Operational and maintenance support
- » Tower mill optimization audits
- » Wear monitoring
- » Reline supervision



Advanced Design Technology

To improve the design and performance of our tower mill liners, ME Elecmetal runs simulations using DEM technology to study charge dynamics. Then, using the dynamic loading of the liners, we run FEM simulations. These simulations help us design liners that improve material distribution, resulting in longer wear life!



Better material distribution = Increased wear life



Why Choose ME Elecmetal Tower Mill Liners?

ME Elecmetal provides top-quality, highly engineered spiral / impeller liners for stirred media mills. Our tower mill liner products are used by some of the biggest names in the mining industry!

How can ME Elecmetal tower mill liners benefit your organization?

- » We use the optimal blend of wear-resistant alloys to improve wear life
- » Our liners have a lower total cost of ownership to save you money
- » We manufacture highly engineered products to the highest quality standards ensuring optimal operating performance
- » We offer a global support network with on-site and technical support services available
- » Our liners are designed to be simple to install and replace
- » Consignment stock is available for select sites



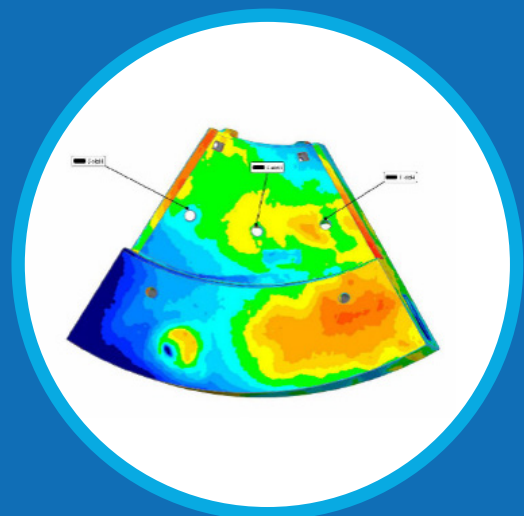
TOP-NOTCH SUPPORT AT EVERY STAGE

ME Elecmetal is your trusted partner at every stage of the grinding optimization process. We provide valuable insight based on our decades of experience and advanced technologies.



Operation

- » Operational support
- » On-site support
- » Performance optimization
- » Trials supervision



Maintenance

- » Manintenance support
- » On-site support
- » Liner replacement supervision
- » Liner wear monitoring
- » Reliability improvement projects



Tower Mill Liner Value-Added Services

Optimization Audits

- » Mill operation review
- » Data collection
- » Report provided on suggested solutions for optimization
- » Usually conducted twice per annum after major relines

Wear Monitoring

- » 3D scanning of worn liners to predict wear end life
- » Data collection
- » Report provided with predicted estimation of end life based on operating data
- » Usually conducted two to three times per year after major relines

Reline Supervision

- » Site supervision of liner installs
- » Assist in any necessary technical support
- » Data collection
- » Report on installation provided
- » Usually conducted in conjunction with wear monitoring booking

**Contact your local ME Elecmetal representative
for more information on pricing and availability**

Why ME Elecmetal?

Our Experience:

- We've been in business since 1917
- We are experts in crushing, milling and grinding
- We provide service to the major mining companies in the world
- We supply the highest quality steel, rubber and composite mill linings
- Our designs outperform the competition at competitive prices

Our Technology:

- We utilize 3D laser scanning for precision design
- We offer 3D modeling and simulation services
- We guarantee the fit of our products
- Our products are manufactured to the highest quality standards

Our Product Lines:

- Grinding mill liners (castings, rubber and composite)
- Grinding media (SAG, ball and grinding rods)
- Crusher wear parts
- Smelter ladles and slag pots
- 3D laser scanning for wear analysis
- Reline simulation services
- 2D/3D simulation services (DEM and FEM)

Our Service:

- Our benefits-based sales philosophy centers on providing our customers comprehensive, Value-Added Engineering Services (VAES) — service before and after the sale
- Our engineering and design teams work collaboratively with our customers to optimize mill lining and grinding media solutions for your application
- Our highly trained and experienced technical sales engineers bring you continuous solutions to optimize your processes
- We offer the industry's best and most innovative product engineering and design services



ME Elecmetal's Global Presence

- Foundries
- Grinding Media Production
- Offices
- Distribution Centers



www.me-elecmetal.com