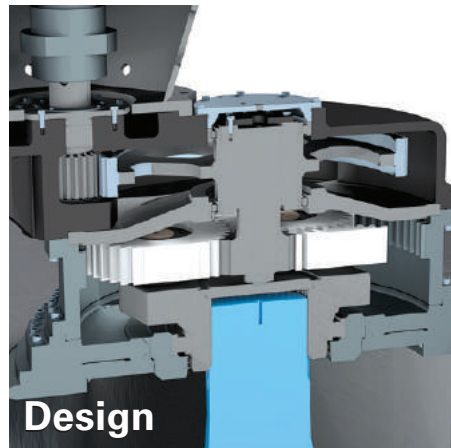


KOMATSU

P&H

Dragline Services Capabilities





Dragline services capabilities

One center of excellence

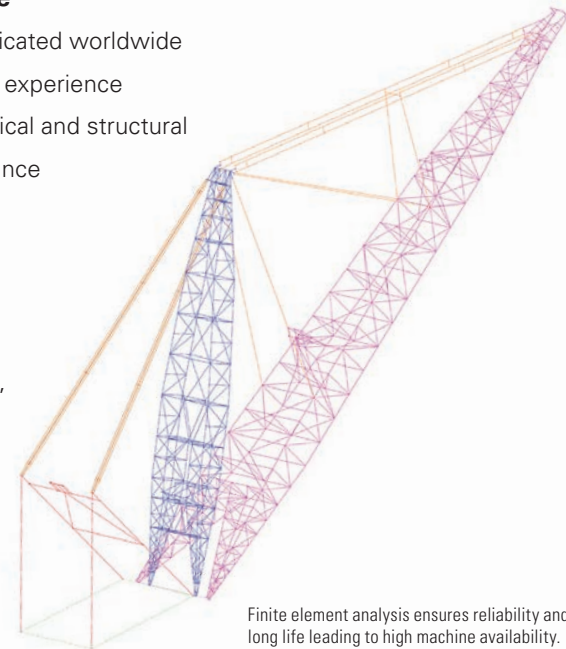
If your mine operation relies on walking draglines, look to Komatsu Dragline Services. We have created one Center of Excellence to provide valuable maintenance solutions to help extend and optimize the performance value of your material handling prime movers.

Resources and experience

- Over 50 subject experts dedicated worldwide
- Over 800 years of combined experience
 - Design: mechanical, electrical and structural
 - Field service and maintenance
 - Machine relocations
 - Assembly and installations
 - Upgrade development
 - Project management
- Knowledge of P&H, Bucyrus, Marion and Page
- Technical service

Engineering expertise

- FEA and solid modeling
- Upgrades: mechanical, electrical and structural
- Electrical systems design
- Full machine analysis
- Component redesign: system enhancements and improvements
- Root cause analysis
- Tailored engineered solutions



Finite element analysis ensures reliability and long life leading to high machine availability.



Solid modeling generates precise component design for high quality manufacture.

Technical services

- Machine audits (static and dynamic)
 - Mechanical, electrical, structural and gearing
- Component life models
- Non-destructive test data analysis
- Predictive diagnostics
- Training: operator and maintenance
- Productivity analysis and improvements
- Applications engineering
- Project management
- Root cause analysis
- Shutdown expertise
- Reliability centered maintenance



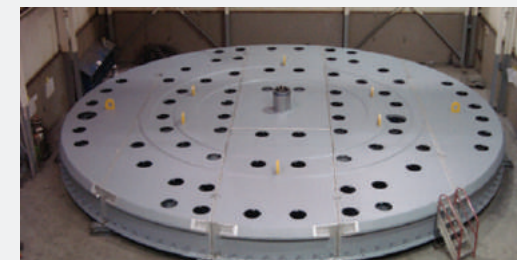
Gearing and quality

- Over 5000 different components available for draglines
- ISO 9001 compliant
- Meets or exceeds OEM specifications
- Tailored to country or customer-specific standards
- Meets or exceeds OEM warranty

Completed projects

Komatsu has been working to enhance walking draglines for over a quarter of a century. Examples of completed projects include:

- 11+ replacement tubs (grid, radial and gradial)
- 25+ replacement sets (racks, rails and rollers)
- 20+ dragline relocations
- Structures
- 8200 boom foot
- 2570-W propel girder extensions
- Tubular boom chord replacement
- 1570-W boom anchor insert
- 8750 propel girder upgrade
- 8750 backleg upgrade
- Proven swing planetaries
- 8200 drag gearcase upgrade
- And much more



Komatsu Mining Corp. Group

mining.komatsu



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