



Rocket Powder Coating Expands Custom Powder Coating Services for Mining Equipment in Harsh Operating Environments

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Rocket Powder Coating expands its custom powder coating services for mining equipment operating in Minnesota and Wisconsin. The company applies advanced, high-durability finishes to heavy machinery and components exposed to extreme conditions, including abrasive dust, moisture, heavy impacts, and corrosive elements. These services help mining operations reduce downtime, extend equipment lifespan, and maintain safety standards across haul trucks, loaders, drills, conveyors, crushers, and related infrastructure.

Mining equipment faces relentless stress in both surface and underground environments throughout the Upper Midwest. Rocket Powder Coating addresses these challenges through precision processes designed for large-scale industrial parts. The company's facilities in Centuria, Wisconsin, and Hinckley, Minnesota, feature large-format capabilities capable of handling oversized components up to 30 feet in length and assemblies weighing several thousand pounds. This capacity supports comprehensive coating of major equipment sections without disassembly where practical.

The custom powder coating process begins with thorough surface preparation including phosphate

pretreatment and media blasting to remove contaminants and ensure strong adhesion. Electrostatic application delivers uniform coverage on complex geometries such as frames, buckets, booms, undercarriages, and chutes. Curing follows calculated temperature profiles based on material thickness, with continuous monitoring for consistency. Final inspections verify film thickness, adhesion, gloss, and performance characteristics including resistance to abrasion, chemicals, and corrosion.

For haul trucks, coatings protect steel frames, beds, dump bodies, and undercarriages from rock impacts, road salt, and abrasive dust while offering options for high-visibility safety colors. Loaders receive abrasion-resistant finishes on buckets and cutting edges along with protection for hydraulic components. Rotary drills and blast-hole rigs benefit from coatings that withstand vibration, dust abrasion, and chemical exposure on masts, frames, and housings. Conveyors, crushers, screens, storage tanks, and silos similarly gain extended protection through specialized formulations that resist wear, facilitate cleaning, and support safety labeling.

As a powder coating company in Minnesota with regional reach into Wisconsin, Rocket Powder Coating leverages its position to serve local mining and aggregate operations efficiently. The finishes provide superior corrosion resistance in humid and wet conditions common to the area, while UV and chemical protection maintain appearance and structural integrity under prolonged exposure. The powder coating method itself produces minimal waste and no volatile organic compounds, aligning with environmental considerations in industrial sectors.

These services build on the company's established capabilities for industrial applications. Clients receive end-to-end support including pickup and delivery through the company's own logistics fleet. Transparent processes include detailed quoting with masking and packaging included, along with full quality documentation for each project. Fast turnaround options help minimize operational disruptions for time-sensitive mining maintenance schedules.

"Rocket Powder Coating develops custom solutions that directly address the punishing conditions mining equipment endures daily," said a representative from Rocket Powder Coating. "Our processes create protective barriers that combat abrasion, moisture, and corrosion while supporting operational safety and efficiency."

The expansion of mining-focused services reflects ongoing demand for durable finishes that reduce maintenance frequency and replacement costs. Powder-coated surfaces resist chipping, scratching, and fading better than many traditional alternatives, contributing to lower long-term expenses. Smooth finishes also aid in inspection and cleaning, helping operators identify potential issues early.

"Effective protection for mining assets requires both technical precision and understanding of real-world

operating demands," added the representative from Rocket Powder Coating. "We partner with operations to deliver finishes engineered for longevity in the toughest environments."

Rocket Powder Coating maintains certifications including AAMA 2604 and AAMA 2605 for high-performance architectural applications, along with standards relevant to heavy industrial use. The company's engineering-grade quality controls, such as infrared monitoring and conductivity testing, ensure repeatable results across projects of varying scale. This expertise extends to custom color matching and texture options that meet fleet branding or regulatory visibility requirements.

The company continues to invest in talent and equipment to support specialized sectors like mining while serving broader industrial and commercial clients. Its approach combines small-town values of personalized service with production capabilities that handle complex, high-volume work. Decades of hands-on experience inform solutions for challenging substrates and geometries common in mining machinery.

Rocket Powder Coating operates facilities in Centuria, Wisconsin, and Hinckley, Minnesota. The company provides custom powder coating services focused on durability, precision, and reliability for industrial, commercial, and architectural clients across the Upper Midwest.

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Rocket Powder Coating

Our Rocket Approach guides us as the leaders in powder coating contractors. We believe in tough standards, efficient performance, and powder coating solutions in Wisconsin and Minnesota that surpass expectations across industries.

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