

About Black Diamond Granites

Pioneering sustainable granite recycling with cutting-edge technology and environmental responsibility.



Our Mission

To revolutionize the granite industry by transforming waste into valuable resources through advanced recycling technology, setting new standards for environmental responsibility and circular economy practices.



Our Vision

To become the global leader in sustainable granite processing, demonstrating that industrial efficiency and environmental stewardship can coexist harmoniously.



Our Values

Innovation, sustainability, quality, and responsibility guide every decision we make, ensuring long-term success for our business and the planet.

Advanced Processing Technology

Cutting-edge systems designed for maximum efficiency and minimal environmental impact.



Automated Sorting

AI-powered optical sorting systems that identify and separate different material types with 99.5% accuracy, ensuring optimal material recovery.



Energy Efficiency

Advanced motor systems and optimized processing flows reduce energy consumption by 40% compared to traditional granite processing methods.



Dust Control

Multi-stage dust collection systems capture 99.9% of particulates, maintaining air quality and protecting worker health.



Quality Monitoring

Real-time quality analysis systems ensure consistent product specifications and immediate process adjustments when needed.

550 TPH Super Primary Line

Our super primary line handles 550 tons per hour with precision engineering and intelligent automation. With 800+ TPH total capacity across the facility, every component is designed for maximum throughput while maintaining strict product consistency.

- Primary crushing with variable speed control
- Secondary processing with particle size optimization
- Tertiary refinement for premium product quality
- Automated packaging and distribution systems

99.5%
Sorting Accuracy

40%
Energy Reduction

99.9%
Dust Capture

24/7
Automated Operation

800+ TPH Total Processing Capacity

Our facility is anchored by South India's only super primary processing unit (550 TPH) and engineered for 800+ TPH total capacity, transforming granite waste into premium construction products at scale. This throughput allows us to serve major infrastructure projects while maintaining strict quality discipline.

6-Acre Facility

Optimized layout for maximum efficiency and minimal environmental impact

Zero Waste

Every material stream is captured and utilized

Circular Economy

Closed-loop processing with minimal external inputs

Compliance

Meets all environmental and safety regulations

95%

Material Recovery Rate

0

Landfill Waste

24/7

Operational Capacity

100%

Quality Assurance

Future-Ready Technology

Our technology platform is designed for continuous improvement and adaptation. We invest heavily in R&D to ensure our systems remain at the forefront of sustainable processing technology.

IoT Integration

Real-time monitoring and predictive maintenance

AI Optimization

Machine learning for process efficiency

Remote Management

Cloud-based system control and analytics

Request Technical Specifications

Premium Recycled Products

High-quality construction materials derived from sustainable granite recycling processes.

Quality You Can Trust

Every product from Black Diamond Granites undergoes rigorous quality control to ensure it meets or exceeds industry standards. Our recycled materials offer the same performance characteristics as virgin materials while providing significant environmental benefits.

99.9%
Purity Guarantee

24/7
Quality Monitoring

ISO 9001
Quality Certified

100%
Traceability

800+ TPH
Total Processing Capacity

6 Acres
Production Facility

95%
Material Recovery

0%
Landfill Waste



Premium

Granite Aggregates

Size: 10-20mm

- Precise Sizing
- Moisture Control
- Construction
- Road Building
- Railway Ballast



Fine

Granite Sand

Size: 0.5-2mm

- Precise Sizing
- Moisture Control
- Concrete Mix
- Mortar
- Plastering



Ultra-Fine

Granite Fines

Size: 0.075-0.5mm

- Precise Sizing
- Moisture Control
- Filler Material
- Asphalt
- Industrial Applications



Micro

Granite Dust

Size: <0.075mm

- Precise Sizing
- Moisture Control
- Soil Stabilization
- Agriculture
- Manufacturing

Custom Solutions Available

We understand that every project has unique requirements. Our team works closely with clients to develop customized product specifications and delivery schedules that meet your exact needs.

Custom Blending

Tailored material mixes for specific applications

Bulk Packaging

Flexible packaging options for any volume

Just-in-Time Delivery

Optimized logistics for project efficiency

[Request Product Catalog](#)