Precision that matters in Mining

Clear analyses. Stable processes. Confident decisions — from extraction to quality control.

NEXOPART

simplicity for your lab

Rethinking Mining with NEXOPART.

The raw materials industry is the backbone of the global economy. It moves billions of tons of material. It provides the foundation for energy, infrastructure, and innovation. And it is changing faster than ever before. This is exactly where NEXOPART comes in. We bring clarity to complex processes. We create precision where every inaccuracy comes at a cost. And we deliver solutions that prove themselves in everyday operations

A market of global importance — and growing momentum

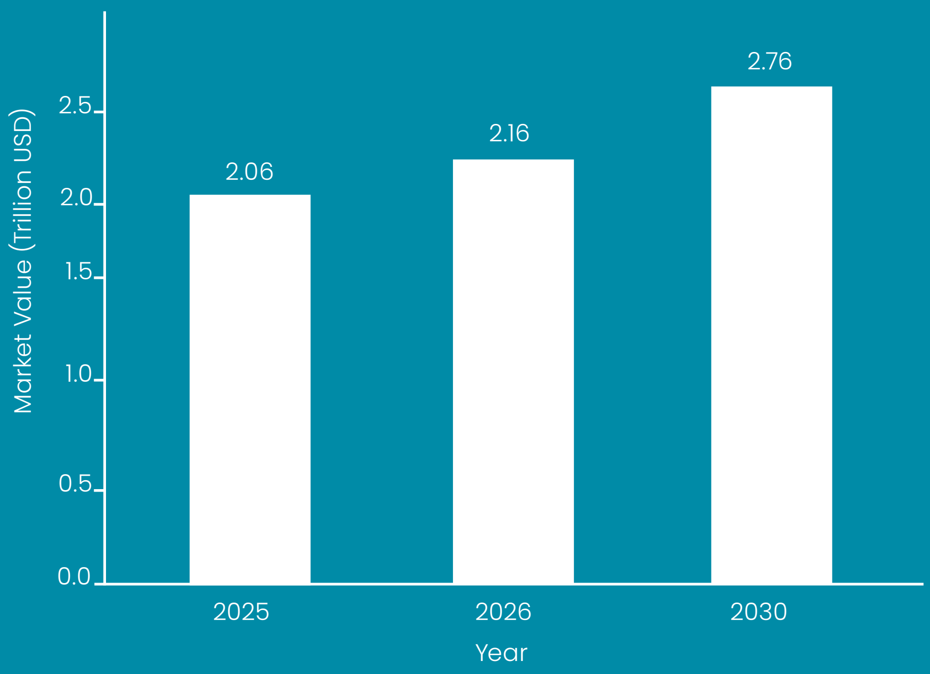
The numbers tell a clear story: the global mining market reaches an annual value of more than two trillion U.S. dollars. It continues to grow. And its priorities are shifting.

Between 2025 and 2030, the market value is expected to increase significantly. The direction is clear. Raw materials remain indispensable.

But requirements are becoming more demanding. Companies need to analyze faster. They need to work more precisely. And they need to make data-driven decisions.

NEXOPART provides the foundation for exactly that: reliable particle analysis. Clear results. Secure processes. Confident decisions.

Mining Market Growth (2025-2030)



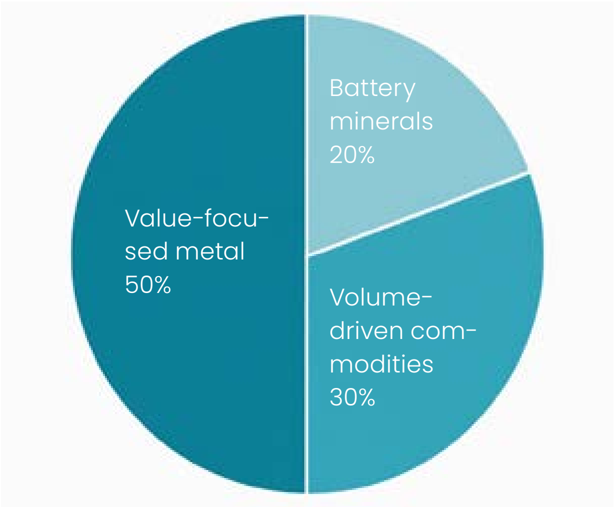
Three Segments. Three Requirements. One Solution.

The mining market is divided into three key segments:

- **Volume-driven commodities** such as coal and iron ore
- **Value-focused metals** such as gold and copper
- **Strategic battery minerals** such as lithium and nickel

Market Value Distribution by Segment

Share of Total Global Mineral Production Value



These segments differ significantly—not only in value, but also in their requirements.
Where bulk commodities are moved in large volumes, high-performance solutions are essential. High throughput rates increase productivity, while robust technologies ensure maximum reliability and long service life, even under the harshest operating conditions.

Where metals are processed, precision makes the difference. Every measurement contributes to maintaining material quality and maximizing the value extracted from raw materials. **For battery materials, accuracy is even more critical: even the slightest deviations can impact battery cell performance, range, and safety.**

NEXOPART goes beyond standard solutions. Our focus is on providing the optimal solution for every application. From efficient coarse sieving to high-resolution fine particle analysis, our systems adapt seamlessly to your processes and deliver reliable results throughout the entire analytical workflow.

Volume vs. Value The Challenge in Detail

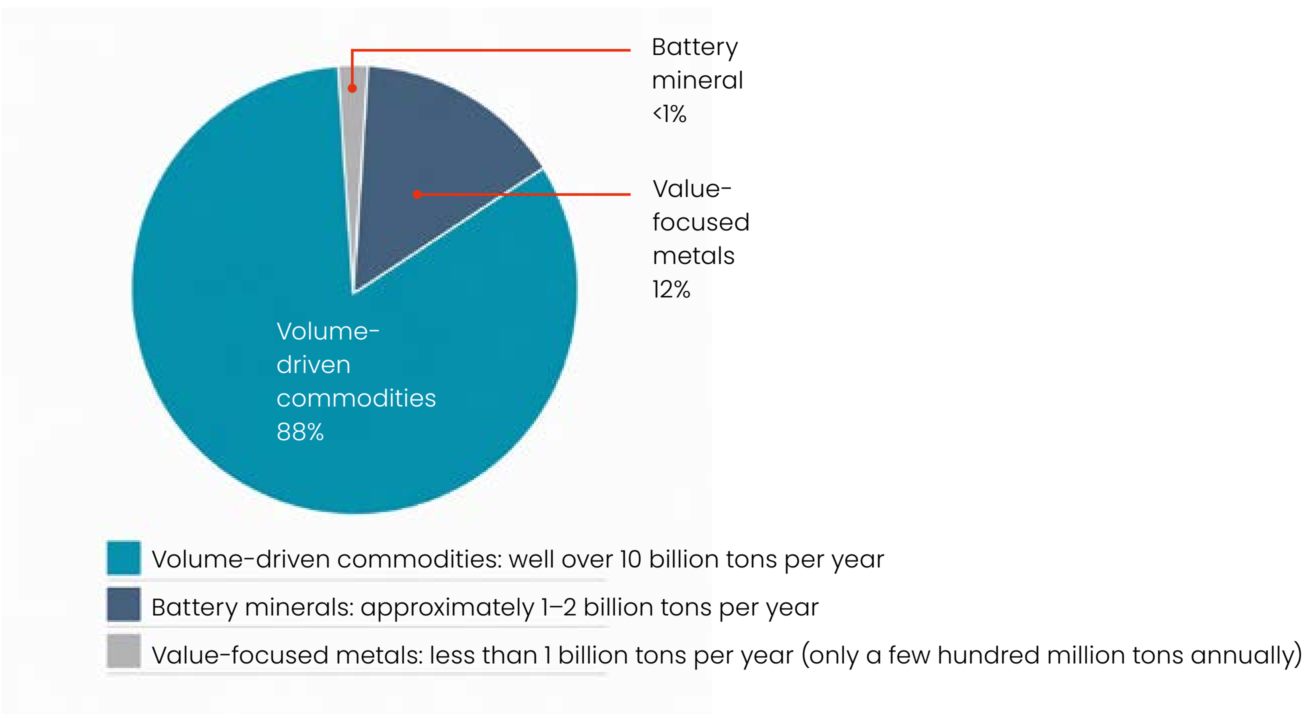
Every year, more than 10 billion tons of raw materials are extracted worldwide. The largest share consists of volume-driven commodities, where enormous quantities must be moved, processed, and controlled efficiently. At the same time, the greatest economic value is generated by metals and battery minerals—resources for which precision, quality, and reliable analysis are critical.

This creates a market full of contrasts: on one side, massive material flows and the need for maximum throughput; on the other, the highest demands on accuracy and process control. Fast, robust production processes meet sophisticated analytical methods. Standardized work-flows must simultaneously address individual material characteristics and specific customer requirements.

This is exactly where NEXOPART comes in. We bridge the apparent con-tradictions of the mining industry and provide solutions that deliver both: high throughput rates and precise analysis, robust technology and sensitive measurement performance. Our systems help companies ensure efficiency and quality alike—regardless of whether they are handling large-volume material streams or demanding high-value materials.

Production Volume Distribution by Segment

Share of Global Raw Material Production by Volume



Global Markets.
Local Requirements.

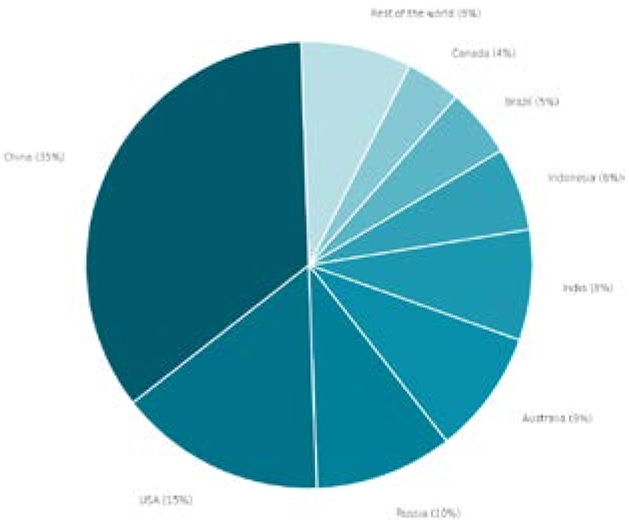
Every region of the world has its own focus in raw material extraction:

- China shapes the market for coal and rare earth elements.
- Australia supplies large volumes of iron ore and lithium.
- Indonesia is one of the world's leading nickel producers.
- Brazil plays a leading role in iron ore mining.

These regional specializations create different requirements for quality assurance. Different materials, structures, and particle size distributions must be analyzed precisely to ensure reliable results.

NEXOPART meets these challenges with modular analytical solutions that can be flexibly adapted to regional requirements. As a result, our systems enable comparable and reliable results worldwide—regardless of material type or operating location. Our solutions support consistent quality standards across the entire analytical workflow, from sample preparation to particle size analysis.

Global mining production by country



From Extraction to Quality Control

Mining does not end with extraction. The real value is created through processing and quality control.

Extraction – robust performance
Large samples. Harsh conditions. Fast results. Equipment must operate reliably. No compromises.

Processing – stable processes
Material is refined. Requirements increase. Systems must perform consistently.

Quality Control – maximum precision
Small samples. Exact results. Traceability determines marketability. NEXOPART covers all three areas.

With solutions such as the UWL, EML systems, and the e200 LS, we establish clear standards. Our technology operates reliably. It reduces errors. It increases efficiency.

Application Example Precise Sieve Analysis

Stable processes. Clear results. Greater reliability.

A mining company regularly analyzes copper ore samples in the Processing and Quality Control stages to obtain an accurate and traceable particle size distribution. This serves as the basis for stable processing operations while enabling informed and economically sound decision-making.

The Future of Mining Begins in the Lab

Automation Is Changing Everything
The mining sector is under pressure. Skilled labor is becoming scarce. Operations are moving to increasingly remote locations. Safety requirements continue to rise.
The answer: automation.

- Autonomous vehicles
- Remote control centers
- Fully automated laboratories

Laboratory processes are evolving rapidly. Manual steps are disappearing. Systems operate around the clock. Results are generated faster—and with greater reproducibility.
NEXOPART is part of this transformation. Our solutions are ready for automation. They integrate seamlessly into existing processes. They deliver reliable data—regardless of the operator.

Quality Determines Profitability
In mining, every detail matters. An incorrect measurement can influence entire supply chains. An inaccurate analysis can reduce the value of a material—or jeopardize contracts.
Quality is not an extra. It is the key to success.
NEXOPART places quality at the center of everything we do.
Our systems provide:

- Reproducible results
- Clear grain size distributions
- High process reliability

The result: better decisions. Greater efficiency. More confidence throughout the entire supply chain.

Market Opportunities – Act Now
The future of mining is electric. Sustainable. Digital.

- Three developments are driving the market:
  Battery Materials Are Experiencing Dynamic Growth
  Demand is rising rapidly. Lithium, nickel, and cobalt are becoming strategic resources. Precise particle analysis is becoming indispensable.
- Automation Is Setting New Standards
  Efficiency matters. Companies are investing in reliable systems. Laboratories are evolving into high-tech environments.
- Specialization Is Increasing
  Every raw material requires dedicated solutions. Standardization alone is no longer sufficient.

NEXOPART is leveraging these opportunities. We develop solutions specifically designed to meet these requirements.

Global Players Rely on Precision
International corporations such as BHP, Rio Tinto, and Vale shape the market. Their requirements are demanding. Their processes are complex.
Yet one thing remains unchanged:
They need reliable analytical data.
Only then can global supply chains be managed effectively. Only then can competitive advantages be achieved.
NEXOPART speaks the language of these companies. We provide solutions that integrate seamlessly into existing structures—from standalone instruments to complete laboratory lines.

Why NEXOPART

We deliver more than technology. We deliver clarity.

Simplicity
Complex processes become easy to understand. Our systems are intuitive to operate.
Reliability
Our solutions perform consistently—even under the most demanding conditions.
Precision
Measurements you can trust. Results you can reproduce.
Flexibility
Every application gets the right solution.

Our Philosophy
We stand for clear statements. Clear results. Clear advantages.
We believe in simple solutions for complex challenges.
We believe in technology that makes everyday work easier.
And we believe in partnerships built on mutual respect and trust.

Let's Simplify Mining
The mining industry is undergoing major change. Requirements are increasing.
Processes are becoming more complex.
Yet the solution remains simple.
NEXOPART brings structure to your analysis.
NEXOPART increases your efficiency.
NEXOPART builds confidence in your results.
We do more than measure. We make the difference visible.

Bestellen Sie Ihren Laborbedarf ganz bequem 24/7 online über unseren Webshop.
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