2025 August Edition

OneGarnet Group

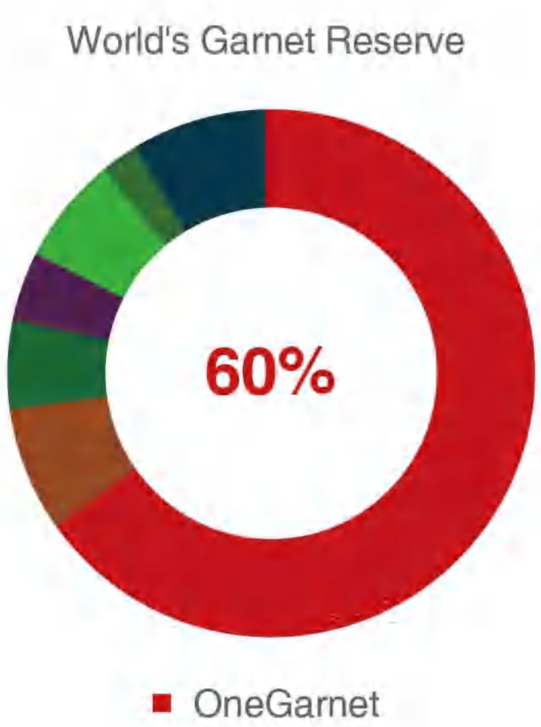
Peak Performance with Optimal Value

We Own the Largest Garnet Mine in the World

OneGarnet Donghai Mine Phase I
1/10 of the entire reserve

We Own the Largest Garnet Mine in the World

With over 200 million tonnes high-quality garnet reserves, OneGarnet owns over 60% of the world’s proven garnet reserve, ensuring a reliable supply for global industries.



**All figures are approximate and for illustrative purposes only*

OneGarnet Mine Site: 2 km²

Premium Hard Rock Almandine Garnet

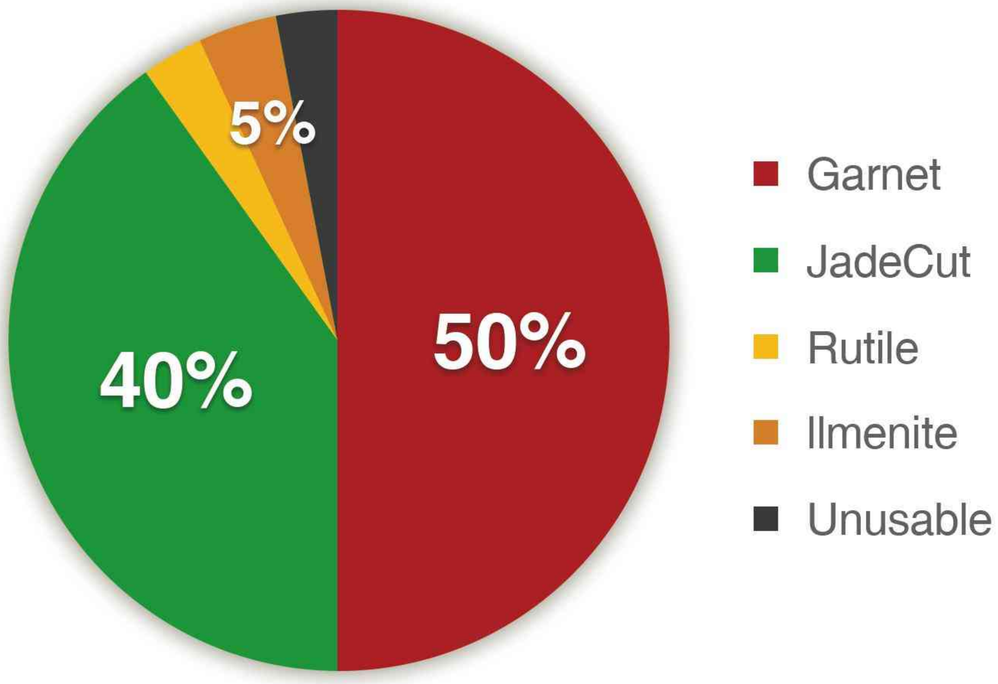
Compared with typical *alluvial* sand beach garnet, OneGarnet features:

- Superior hardness and toughness
- Sharp angular edges
- Faster cutting speed
- Non- radioactive and non- hazardous
- Free of any heavy metals

4x Higher Yield: Extremely Cost- Effective

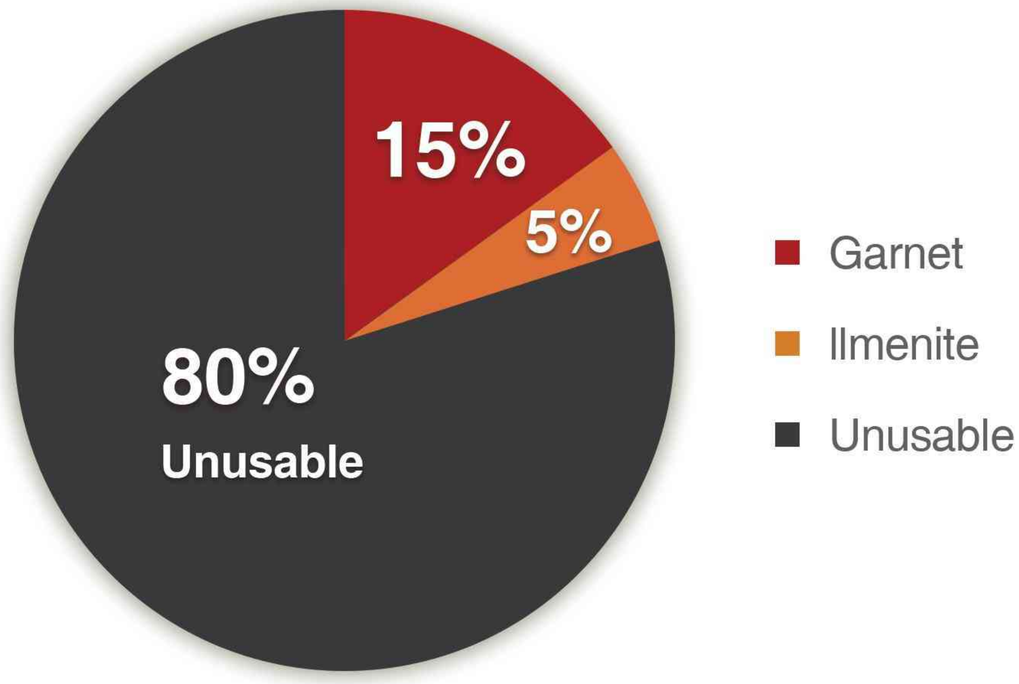
OneGarnet Mine

> 95% Yield



Typical Garnet Mines

< 20% Yield



With significantly more usable mineral percentage, OneGarnet achieves significantly lower production costs than other garnet mines, results in more optimized and competitive pricing.

We Built the Most Advanced Processing Factory

1,000,000 tonnes

to

4,000,000 tonnes

Annual Capacity*

160,000 m²
Factory Space

100,000 tonnes
Semi- Finished Product Warehouse

40,000 tonnes
Product Warehouse

**Annual Capacity will increase gradually from Phase I to Phase III, currently reached 1 million tonnes*


JadeCut
RZG GARNET

16 Years of Innovation
We Build to Lead

Precision
Peak Specs in the Industry

Fully Automated Factory
The First and Only Kind in the World

Reliability
Guaranteed Consistent Supply


100,000 tonnes
Draining Facility


Fully Automated
Mission Control Room

OneGarnet™ Products

OneGarnet™

Premium Garnet Abrasive

For operations that demand the absolute best performance. Our premium garnet delivers unmatched cutting power, consistency, and durability for the most demanding applications.

Surface Cleanliness

- Consistently achieves **Sa3** *ISO 8501-1*
- Dust quantity and size not exceeding **Level 1** *ISO 8502-3*

Conductivity and Salt

- Abrasive conductivity below **60 µS/cm** *ASTM D4940-25*
- Surface water-soluble salt below **20 mg/m²** *ISO 8502-6/9*

Compliant with NACE SP0108, NORSOK M-501, ISO 21809-1, DNVGL-RP-F106, and other applicable standards.

Surface Roughness

- Between **25 to 115 µm** with different size choices

Efficiency and Consumption

- Faster blasting and lower consumption than alluvial garnet

JadeCut®

Exclusively Engineered by OneGarnet

A blend of natural omphacite and almandine garnet, both known for their excellent hardness, toughness, and cutting performance. With an average cost at only 70% of garnet, it is an ideal choice for operations seeking the best cost-performance ratio without compromising quality.

Surface Cleanliness

- Consistently achieves **Sa2½** , with **Sa3 attainable** *ISO 8501-1*
- Dust quantity and size not exceeding **Level 1** *ISO 8502-3*

Conductivity and Salt

- Abrasive conductivity below **60 µS/cm** *ASTM D4940-25*
- Surface water-soluble salt below **20 mg/m²** *ISO 8502-6/9*

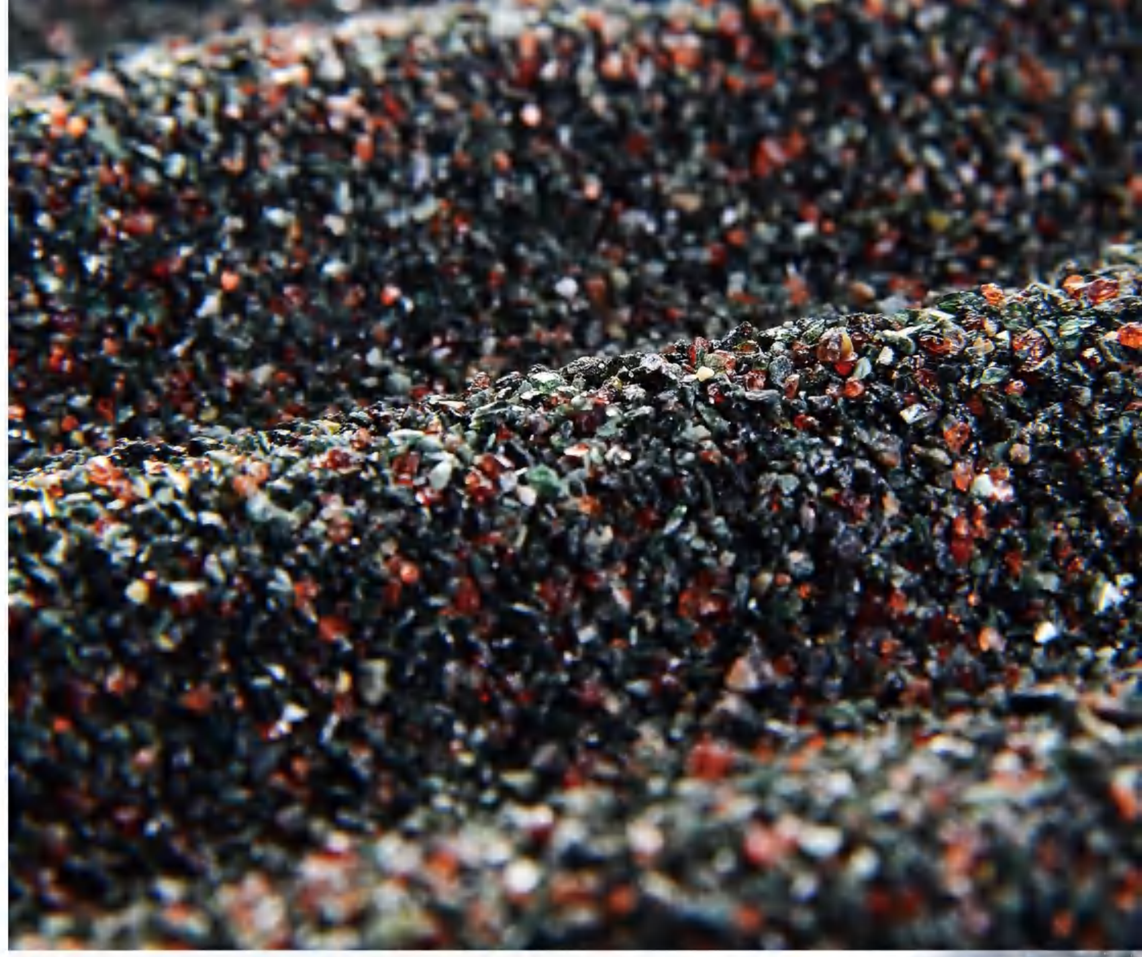
Compliant with NACE SP0108, NORSOK M-501, ISO 21809-1, DNVGL-RP-F106, and other applicable standards.

Surface Roughness

- Between **25 to 115 µm** with different size choices

Efficiency and Consumption

Slightly lower density, hardness, and reusability than garnet. 8-10% more surface area cleaned, while dust level slightly higher than garnet.



JadeCut®

Exclusively Engineered by OneGarnet

Delivers higher surface cleanliness, lower dust, and lower salt contamination compared to copper slag. Offers faster blasting speed and lower abrasive consumption cost. It is environmentally safe and non-toxic.

Achieves almost identical performance with premium garnet while enabling a **30-50% cost reduction**, **JadeCut®** is an ideal upgrade from copper slag, crushed glass, and other traditional abrasives.

OneGarnet™

Premium Waterjet Cutting Abrasive

Hard, sharp, pure with precise particles for smooth, vertical cuts, clog- free operation, and minimal dust with 10% to 15% lower consumption.

Strictly Screened

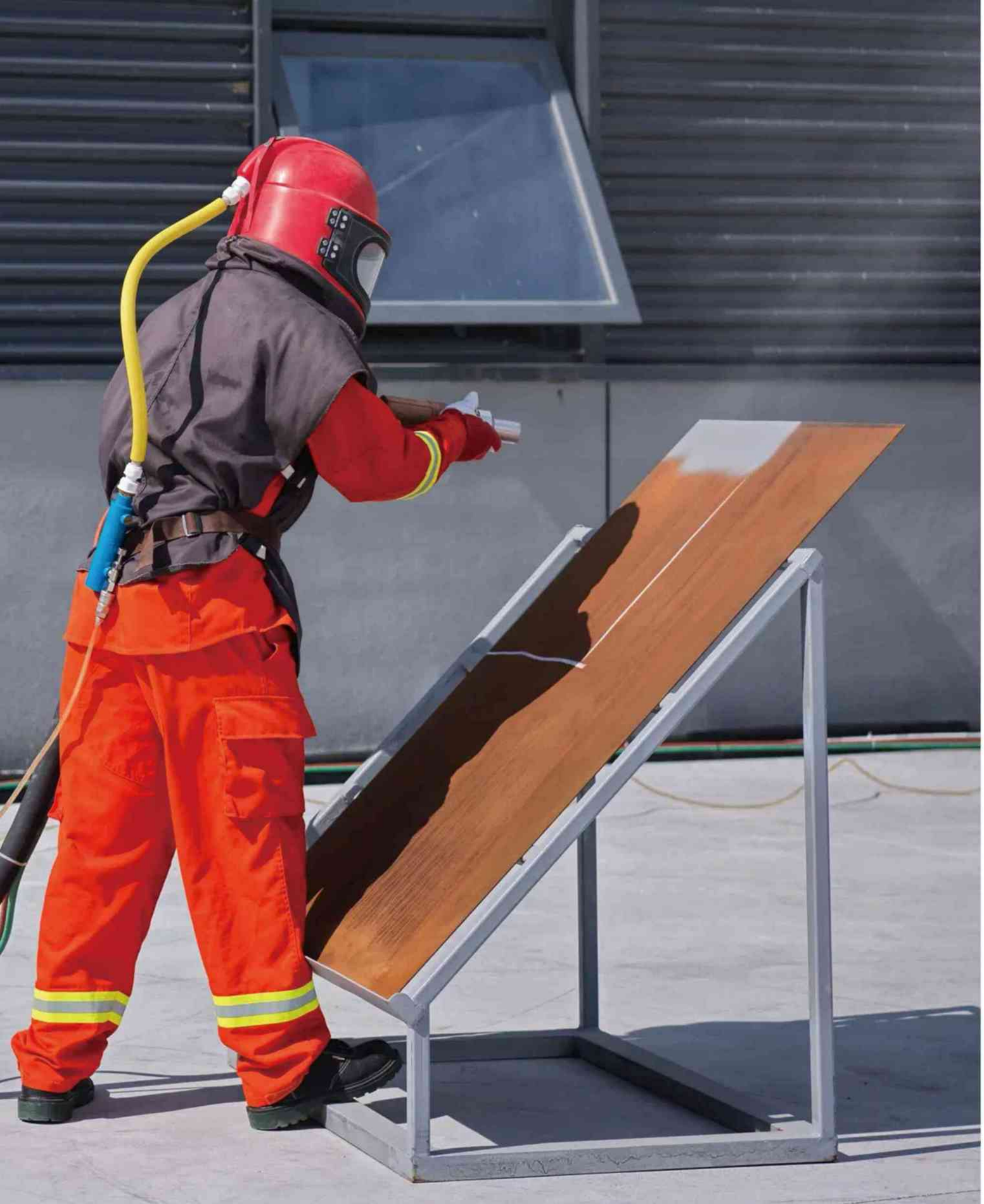
- No oversized particles to clog nozzles
- No inefficient fine grains to slow down cutting efficiency
- No dust for easy post-cut cleanup

Optimized Grades

- Engineered to fit any focusing tube and orifice
- Versatile options for diverse cutting applications
- High purity and superior hardness for consistent performance

Health & Safety Assurance

- No radioactivity and heavy metals
- Free silica content ≤ 0.5%



Completely Clean and Safe

Both **OneGarnet™** and **JadeCut®** are:

- Free from radioactivity, heavy metals, and hazardous substances
- Free silica content ≤ 0.5%
- Fully compliant with all occupational health and safety standards

At OneGarnet Group, We Build to Lead
Deliver Peak Performance with Optimal Value

OneGarnet Group

info@onegarnet.com

+86 153 3633 6622

www.OneGarnet.com