

IDS BLAST® ABRASIVE SPOTLIGHT:



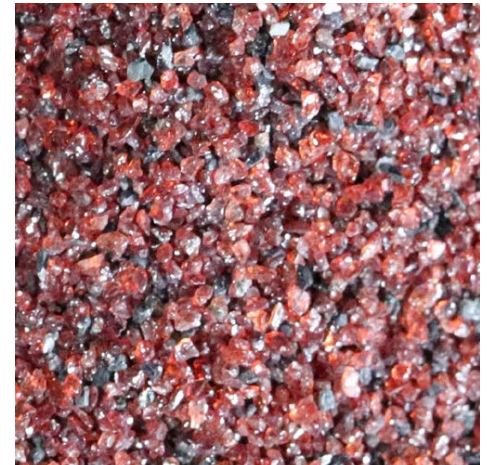
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2717 Tobey Drive, Indianapolis, IN 46219
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GARNET

Rock garnet, extracted from high quality almandine, is a hard, durable abrasive with sharp edges used in abrasive blasting and waterjet cutting. It offers the performance of synthetic and more expensive abrasives but is 100% natural and environmentally friendly.

Garnet granules will clean tough surfaces and resist fracturing, making it very recyclable, thus reducing the amount of abrasive used. It has a very low dust content and fast sedimentation rate which makes for a cleaner working environment. As a natural mineral, there are no concerns with disposal (unless used on a heavy metal or hazardous coating). Our garnet also meets all OSHA and ISO 11126-10:200 requirements for chloride and free silica contents, has CARB approval, and contains no beryllium.

Overall, blasting with garnet results in a safe, productive, and cost-effective cleaning and surface preparation operation.



Hardness
7.5 to 8.0 Mohs

Available Sizes
36, 30/60,
80, 120

Benefits

- Waterjet grade material
- Cuts fast, reduces abrasive consumption
- Can be recycled many times
- Low Dusting (High Visibility)
- Chemically inert
- Non-toxic
- Less than 0.1% free silica
- No Beryllium Content

Garnet Grades

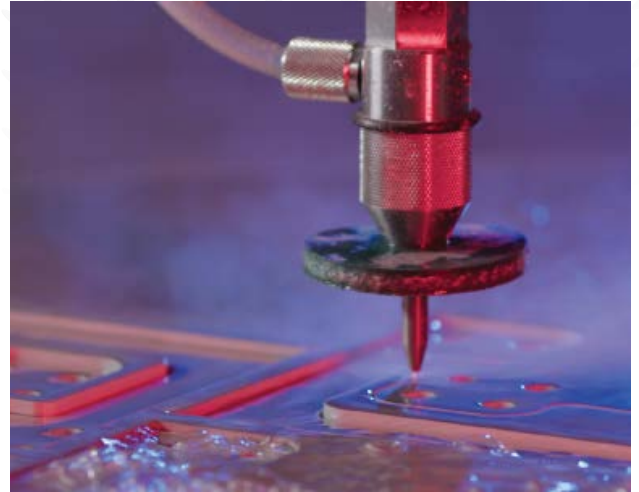
Mesh Size	Blasting	Waterjet	Water Filtration
36	◆ 3.3-3.8 mils		◆
30/60	◆ 2.8-3.2 mils	◆	
80	◆ 2.3-2.7 mils	◆	
120	◆ 1.8-2.2 mils	◆	



Waterjet Garnet

Standing fairly close to diamond on the hardness scale, and more affordable than similar minerals, garnet stands out as the top choice for most abrasive waterjet cutting applications.

Garnet offers the ideal combination of durability, density, and particle shape to maximize the cutting capabilities of most waterjets. Additionally, garnet is also chemically inert — meaning it won't react poorly with materials you're cutting.



GARNET PROCESSING

Different types of garnet occur in various geological environments throughout the world. Rock garnet, which is formed in America, China and India, is mined and then transported to processing plants where it is crushed and then purified by wind blowing, magnetic separation, sieving and washing to remove any existing impurities. Pieces which are larger than 60 mesh are normally used for sand blasting.

We source our garnet from a large-scale rock mineral manufacturer that owns over 500 acres of mining area and outputs over **300,000 tons** of waterjet grade garnet with **over 90% Almandine**.



Our garnet manufacturer's processing facility expanding over 200 acres.

To extract the purest garnet, our manufacturer executes several steps using advanced processing equipment.



Jaw Crusher



Cone Breakers



Circling Shaking Sieve



Spiral Separators



Ball Grinder



Extractors



Flotators



Robotic Packing Machine

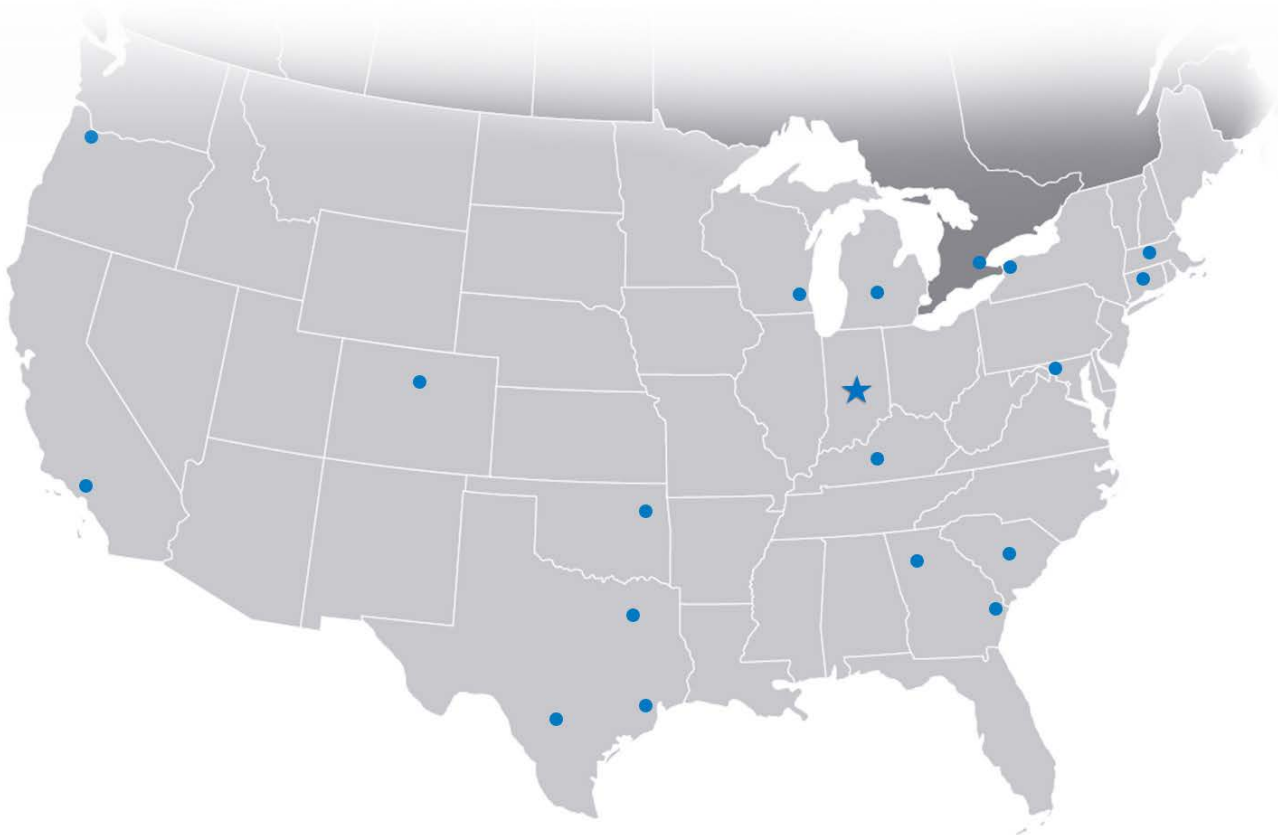
Adhering to strict quality control measures, garnet samples are collected & inspected every 20 minutes during production.



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LOCATIONS

Our garnet is warehoused in many locations across North America.
This helps keep shipping time and cost to a minimum.



LOCATIONS: Atlanta, Baltimore, Buffalo, Connecticut, Dallas, Denver, Houston, Indianapolis, Kentucky, Los Angeles, Massachusetts, Michigan, Milwaukee, Portland, San Antonio, Savannah, South Carolina, Toronto, and Tulsa.

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