

# Global leaders in Garnet Recovery

Pioneered Middle East Recycling Solutions since 2004



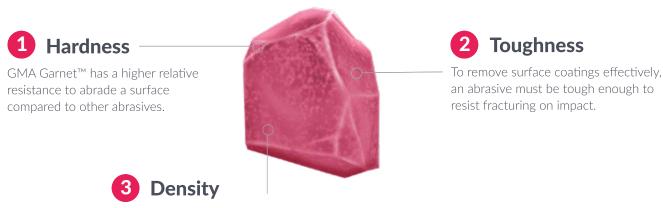
## **Effective Garnet Recycling solutions since 2004**

GMA Garnet Middle East FZE, part of GMA GARNET GROUP started its operations in Jebel Ali Free Zone in 1999, has completed 23 successful years providing product and service support to customers in U.A.E, Middle East and Caspian Region. GMA Middle East opened its first recycling plant in 2004 in (in Jebel Ali Free Zone- Dubai) the first of its kind in the Middle East.

GMA Middle East continues to expand its environmentally friendly products and solutions to reach Azerbaijan, Qatar, Iraq, and India.

# The GMA Garnet Advantage™

Garnet is a uniquely versatile, high performance mineral abrasive that can be recycled 4 to 5 times depending upon it's applications, due to its inherent strength in three critical abrasive characteristics: Hardness, Toughness and Density.



A heavier, denser abrasive grain outperforms a less dense abrasive. GMA Garnet™ grains create a deeper, consistent anchor profile when blasted at the same pressure.





# Up to 80% of GMA Garnet™ can be recovered

While the balance waste can be repurposed to Cement plants, Ready Mix, Block Factories as alternate raw material. GMA Garnet™ is a versatile, high performance mineral abrasive that can be recycled up to five times depending upon its applications. Specific product can then be reused in Waterjet cutting and abrasive blasting once again extending the life of the garnet resource.

Globally, GMA recognizes the adverse environmental impact of Slags, and as a result, developed solutions in the market to assist clients reduce their carbon footprint, while offering effective recycling solutions and reducing disposal to government landfills.



### Our commitment to a sustainable future

GMA is focused on continuing to develop a sustainable future for our business, customers, employees, and communities. We are committed to protecting the environment and have a proud history of sustainable mining practices. We take active steps to limit our impact on the environment and demonstrate responsible management of our natural resources.



REDUCE: Burden on landfills

**RECYCLE:** Waste garnet

**REUSE:** Garnet in other ancillary industries



# The GMA Garnet Journey







#### Mining

Garnet rich sand is mined and transported to our 24/7 'Wet' plant for processing.

#### Wet Plant

Water and centrifugal forces are used to separate the garnet from lighter waste minerals, leaving a high quality garnet concerntrate.

#### 1st Quality Control

The concentrate is sample tested in the laboratory to ensure consistent product quality.

#### Restoration

The tailings sands are returned to the mined area which is rehabilitated to its former environment.









#### Distribution

**GMA** Products are distributed in 80 countries via our warehouses and over 100 distributor outlets worldwide.

#### **Packaging**

GMA Garnet is packaged into one-tonne or two-tonne bulk bags and 25kg paper bags.

#### 2nd Quality Control

Final laboratory testing ensures the highest quality standards are met.

#### Dry Plant

Magnetic separators remove impurities and the pure garnet is screened and graded into the correct size particles.







#### **Customer Service**

Dedicated sales team assist customers in selecting the best products and logistics arrangements.

#### **Technical Support**

Our experts support customers in solving technical challenges and maximizing productivity and performance of their projects.

#### Blast and Waterjet Cutting

GMA's high performance abrasives make projects a breeze with high productivity and low consumption.

#### Recovery\*

Garnet recovery and recycling programs provide cost-effective and eco-friendly solutions for customers to dispose of used garnet while reducing the burden on land fills.



#### **GMA GARNET MIDDLE EAST FZE**

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