

BENEFITS OF RECYCLING SPENT ABRASIVE MEDIA

PRODUCT RESOURCE

If your facility generates spent aluminum oxide or steel shot and grit, you're likely treating it as a disposal problem.

It isn't. GMA purchases spent media from manufacturing facilities across the United States, arranges freight pickup at no cost, and handles every step from there. Your waste stream becomes a recoverable asset.

We have been doing this since 1989 as the only abrasive supplier in the U.S. offering a full recycling service for both virgin and recycled materials, and an authorized Michigan DEQ recycling facility.



GMA PAYS YOU
**FOR YOUR
SPENT MATERIAL**

Businesses in our recycling program get paid for their used abrasive media while eliminating disposal costs at the same time. Negative cash flow becomes positive. Freight pickup is arranged and included at no cost to you.

TURN A DISPOSAL COST INTO A COST SAVINGS

THE FINANCIAL CASE

Abrasive media can represent up to 50% of a facility's blasting operating costs. GMA's recycling program addresses that number from two directions at once.

First, getting paid for spent media eliminates what was previously a disposal expense. Second, purchasing recycled abrasive back from GMA at a lower price point than virgin reduces your ongoing media cost. The combined impact on a facility running high blast volumes is significant.

- Over 20% cost savings on brown fused aluminum oxide vs. virgin
- Over 30% cost savings on steel shot and steel grit vs. virgin
- Freight pickup included, no logistics cost to your facility
- GMA handles all paperwork and transportation coordination
- Program open to facilities in the United States

65-90% OF SPENT MEDIA DIVERTED FROM LANDFILL

THE ENVIRONMENTAL CASE

Properly recycled abrasive media diverts 65-90% of spent material from landfill. It also reduces the demand for raw material extraction and lowers the energy required for mining and transport of virgin material.

For facilities working toward environmental certification, GMA's recycling program directly supports ISO 14001 compliance. Our team can assist with the documentation your facility needs as part of that process.

- 65-90% landfill diversion rate
- Reduces raw material extraction and transport energy
- Supports ISO 14001 certification efforts
- Authorized Michigan DEQ recycling facility



RECYCLING SINCE 1989.

GMA installed its first aluminum oxide recycling line in 1989. This is not a sustainability initiative added recently. It is how this company has operated for over 35 years, serving manufacturers across the United States.

GMA HANDLES EVERYTHING. YOUR TEAM HANDLES NOTHING

THE OPERATIONAL CASE

GMA Handles Everything. Your Team Handles Nothing.

Once your material is qualified, GMA coordinates all pickup, freight, processing, and documentation. No disposal contracts. No logistics to manage. No interruption to your production schedule.

The recycled material returned from our process meets ANSI and SAE specifications and is directly comparable to virgin in performance. Your blast operation keeps running without any process change.

GETTING STARTED TAKES ONE POUND OF SPENT MEDIA AND FIVE MINUTES.

The qualification process is straightforward. Send us a one-pound sample of your spent material. We evaluate it, confirm it is non-hazardous and suitable for recycling, and contact you with everything needed to move forward. GMA handles the rest, including packaging guidance, all required paperwork, and freight pickup coordination.

GMA accepts spent abrasive media from wheel blast and air blast operations across the United States.

MATERIAL	ACCEPTED
BROWN FUSED ALUMINUM OXIDE (SPENT)	YES
STEEL SHOT (SPENT)	YES
STEEL GRIT (SPENT)	YES
HAZARDOUS MATERIALS	NO

Important: GMA does not accept hazardous materials. Before submitting a sample, your facility must provide one of the following:

- A Toxicity Characteristics Leaching Procedure (TCLP) report confirming the material is non-hazardous
- A completed Non-Hazardous Material Statement submitted prior to shipment

FOUR STEPS TO JOIN THE PROGRAM

HOW TO GET STARTED

1.
Collect Your Sample

Gather one pound of your spent aluminum oxide or steel abrasive from your blast operation.

2.
Label The Sample

Attach your company name, product type, grit size, estimated quantity available, and the work area the material came from.

3.
Ship To GMA

Send your labeled sample to:
GMA Industries, Attn: Lab Sample
38127 Ecorse Road
Romulus, MI 48174-1349

4.
GMA Takes It From There

We verify the material is non-hazardous and suitable for recycling, then contact you with packaging instructions, paperwork, and freight pickup details. No logistics coordination required on your end.

EVERY BATCH GOES THROUGH ALL FIVE STEPS NO EXCEPTIONS

WHAT HAPPENS TO YOUR MATERIAL

GMA's reclamation process restores spent abrasive media to ANSI and SAE specification. The material that comes out of this process meets the same size, chemistry, and cleanliness standards applied to virgin material.

1. SCALPING

Large non-abrasive particles, debris, and oversized material removed before processing begins.

2. AIR WASHING

Material air-washed to separate fine contaminants and dust from usable grain.

3. ROTARY KILN

Open-flame furnace burns off residual oils, paint chips, coatings, and organic contaminants picked up during use.

4. MAGNETIC SEPARATION

Rare-earth separators remove ferrous particles and tramp metal. A second separator handles material finer than 90 mesh.

5. SCREENING

Finished material screened to ANSI and SAE specifications for size, chemistry, and cleanliness. On-site QC lab testing on every batch before it leaves our facility.

THE SAME STANDARD APPLIED TO VIRGIN MATERIAL

Every batch of recycled abrasive produced by GMA is tested in our on-site QC lab. All material meets ANSI and SAE product specifications for size and cleanliness. The recycled material you can purchase back from GMA is directly comparable to virgin in performance.

THE RECYCLING PROCESS

OUR RECYCLING PROCESS INVOLVES SEVERAL STEPS TO
ENSURE THE HIGHEST QUALITY:



GMA
INDUSTRIES

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