RECYCLED STEEL SHOT AND STEEL GRIT

PRODUCT FLYER

The Misconception Costs You More Than the Media Does.

Most buyers assume recycled steel shot and grit is sorted, rebagged, and sent out the door. That's not how GMA operates. Our recycled steel goes through the same multi-step reclamation process used for our other abrasive products, including heat treatment, rare-earth magnetic separation, and screening to SAE spec.

The result is a clean, consistent abrasive that can reduce your blasting media costs by over 30% compared to virgin material.

	RECYCLED STEEL SHOT/GRIT	VIRGIN STEEL SHOT/GRIT
SOURCE	Spent media collected from blasting operations	Premium-grade cast steel, manufactured new
PRODUCTION	5-step reclamation process	Atomization, quench and temper
CHEMISTRY	Identical to virgin SAE spec	SAE certified
PARTICLE SHAPE	Round (shot) or angular (grit), consistent after processing	Round (shot) or angular (grit)
HARDNESS	Meets SAE spec post-reclamation	42-65 Rockwell C (SAE grade dependent)
SIZING STANDARD	SAE J444 (shot) / SAE J1444 (grit)	SAE J444 (shot) / SAE J1444 (grit)
LIFE CYCLE VS. VIRGIN	Approx. 15% shorter	Baseline
COST VS. VIRGIN	Over 30% savings	Baseline
BEST USE	High-volume operations looking to reduce media cost without a full switch from virgin	Applications requiring full virgin certification or where life cycle consistency is critical
SUPPLY	Availability varies by size based on incoming recycled material	Consistent supply from manufacturer

OVER 30% COST SAVINGS

Switching to GMA recycled steel shot or grit delivers over 30% in cost savings compared to virgin material. Same SAE chemistry. Same particle shape after processing. A shorter media cost line on every purchase order.

HIGH-HARDNESS MEDIA. SIGNIFICANT COST SAVINGS. LOWER COST PER CYCLE.

Steel shot and steel grit sit in the upper range of the Mohs hardness scale for metallic blasting media, making them effective across demanding surface preparation applications including mill scale removal, casting cleaning, and pre-coating profile creation. Recycled steel from GMA meets the same SAE hardness specifications as virgin material after reclamation. The cost difference, over 30% savings versus virgin, makes it one of the most economical choices available for high-volume blasting operations running centrifugal wheel equipment.

MEDIA	MOHS HARDNESS	REUSE CYCLES	COST PER CYCLE
Diamond	10.0	Reference only	Reference only
Brown Fused Aluminum Oxide (GMA V-Blast/R-Blast)	9.0	Up to 7 (air blast)	Low over time
Steel Grit	7.0-8.0	200+ (wheel blast)	Very low at volume
GMA Recycled Steel Shot/Grit	6.0-8.0	200+ (wheel blast)	Lowest at volume (30%+ savings vs. virgin)
Standard SAE Steel Shot (virgin)	6.0-8.0	200-300 (wheel blast)	Low at volume
Garnet	6.5-7.7	3-5	Moderate
Coal Slag	5.0-6.0	1 (single-use)	Higher than listed price
Nu-Soft Steel Shot (GMA)	3.0-3.5 (approx.)*	2x standard SAE shot	Application-dependent

**Nu-Soft hardness is rated at 12-15 Rockwell C. Mohs equivalent is approximate. Nu-Soft is available through GMA Industries for non-destructive blasting applications.*

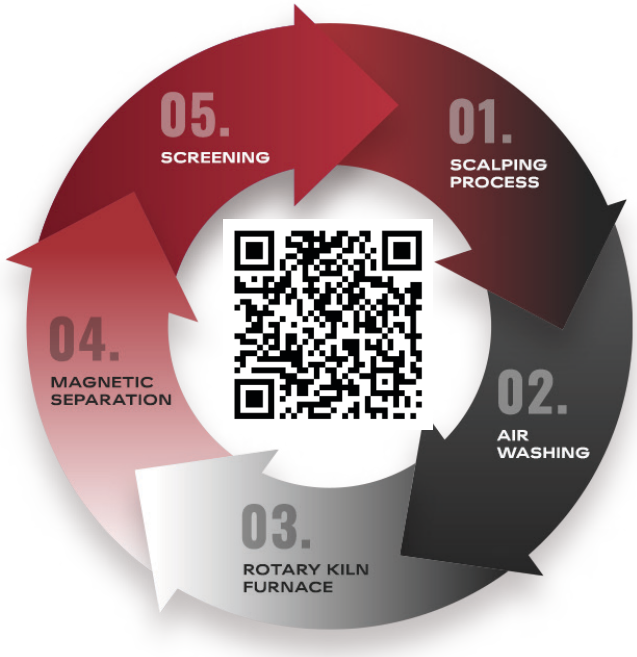
Sources: Mohs Hardness Scale, standard industry mineral reference. Reuse cycle data: publicly published blasting media comparisons.

ABRASIVE MEDIA CAN REPRESENT UP TO 50% OF YOUR BLASTING OPERATING COSTS.

Reducing that number by over 30% through recycled steel shot and grit is one of the fastest ways to lower your per-part cost without changing equipment, process, or output quality. GMA recycled steel meets SAE spec and ships from our Romulus, MI facility.

SEE FULL PRODUCT SPECS ONLINE

Recycled steel shot and grit product pages, technical data sheets, SAE size charts, and the full GMA product line are available at gmaind.com. If you have a specific size requirement or want to discuss whether recycled is the right fit for your operation, our team responds the same day.



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