



ABRASIVE MEDIA MANAGEMENT PARTNER



TOOLING & MACHINERY

COMPLETE METALWORKING SOLUTIONS

(800) 991-4225

www.ahbinc.com

ISO Certified

customerservice@ahbinc.com



INTRODUCTION / MISSION STATEMENT

INTRODUCTION

GMA has become one of the leading US manufacturers of Virgin Brown Fused Aluminum Oxide. Our dedication to quality and customer service provides consistent satisfaction to all our customers.

Since 1982, GMA has been an innovator in the recovery of abrasive media, offering economical and environmentally sound options for waste collection and removal. GMA has developed a recycling process for spent steel and aluminum oxide abrasives that not only helps protect the environment but also provides significant cost saving for customers.

GMA Industries is an authorized Michigan Department of Environmental Quality (MDEQ) abrasive recycling facility.

MISSION STATEMENT

Through our sales, abrasive recycling service and spent abrasive recovery programs, GMA Industries, Inc., will provide virgin and recycled abrasive media for customers' applications that "meet or exceed" their expectations for quality, cost, and customer service.



VIRGIN PRODUCTS

- V-Blast (Brown Fused ALOX)
- NuSoft (Soft Steel Shot)
- Ervin Steel Shot
- Ervin Steel Grit





V-BLAST (VIRGIN BFA)

V-BLAST

- Virgin Brown Fused Aluminum Oxide (VBFA) is made from Bauxite ore that is fused at 2000°C and reduced to remove undesirable oxides.
- VBFA crude is then crushed and screened to meet ANSI specifications.

Sizes Available

16, 20, 24, 30, 36, 46, 54, 60, 70, 80, 90, 100, 120, 150, 180, 220, 240

Packaging

50-lb. bags: 2,000 lb. per pallet
400lb. kegs: 1,600 lb. per pallet
800lb. drum: 3,200 lb. per pallet
2,000-lb. bulk bags

Applications

- Abrasive Blasting
- Grinding
- Lapping
- Deburring
- Tumbling
- Buffing Compounds
- Etching
- Non-Slip Surfaces
- Plasma Spray Preparation





NuSoft – Soft Steel Shot

NuSoft

- Nu-Soft Steel Shot is a metallurgically enhanced cast steel shot developed for cleaning soft, delicate metal parts in wheel-type blast machines or in pressure-type air cabinets.
- NuSoft is round in shape with a hardness of between 12 and 15 Rockwell C (less than 200HV)
- Very durable with more than twice the life of standard SAE grades of cast steel shot and almost one thousand times the life of some competing abrasive media

Sizes Available

NS-70 - NS-330

Packaging

50-lb. pail
 500-lb. keg
 750-lb. keg
 2,000-lb. drum

Applications

- Remove heat treat scale from sintered powder metal parts.
- Deflash aluminum die castings.
- Deburr stampings and fabrications.
- Remove corrosion from machined surfaces.
- Remove ash residue from caustic bath solutions.
- Clean ceramic from intricate investment castings.
- Eliminate build-up of release agents for molds.

PRODUCT	HARDNESS	DURABILITY	DENSITY	EQUIPMENT REQ
Glass Beads	50-60 Rc (5-7 Mohs)	5-8 Cycles	2.6 g/cc	Air Blast
SAE Steel Shot	42-65 Rc (6-8 Mohs)	2500-3500 Cycles	7.4 g/cc	Air or Cent, Wheel
Stainless Shot	20 Rc (Work Hardens to 60 Rc)	3500-4500 Cycles	7.0 g/cc	Air or Cent, Wheel
Plastic Media	3-4 Mohs	4-6 Cycles	1.5 g/cc	Air Blast
Ceramic Beads	60-65 Rc (5-7 Mohs)	300-500 Cycles	3.7 g/cc	Air or Cent, Wheel
Nu-Soft	<20 Rc (3-3.5 Mohs)	6000-7000 Cycles	7.4 g/cc	Air or Cent, Wheel

NS-200	<20 Rc (3-3.5 Mohs)	6000-7000 Cycles	7.4 g/cc	Air or Cent, Wheel
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ERVIN INDUSTRIES PRODUCTS

Ervin AMASTEEL Steel Shot

- Sphere-shaped form of steel casting used for blast cleaning to remove surface contamination.
- Manufactured by pouring a molten mixture of premium grade steel scrap and select alloys through a series of water jets.
- Particles are screened by size, quenched and tempered in a unique heat-treating process.

Sizes Available

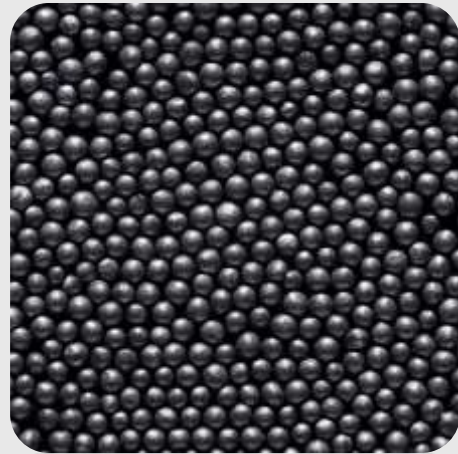
S-70 - S-780

Packaging

40 count/50-lb. bags
2,000-lb. drum
4,000-lb. supersack

Hardness

S 40 - 51 HRC
M 47 - 56 HRC
L 54 - 61 HRC
H 60+ HRC



Ervin AMASTEEL Steel Grit

- Created by crushing fully hardened shot, screening the resulting media and tempering it to the desired hardness.
- Ideal for aggressive cleaning applications and will quickly strip many types of surface contaminants from steel and other foundry metals.
- The angular nature of steel grit produces an etched surface on metal for superior adhesion of paint, epoxy, enamel, rubber and other coating.

Sizes Available

G-10 - G-120

Packaging

40 count/50-lb. bags
4,000-lb. supersack
G-10/G-16 – 1,800-lb. drum
G-18/G-40 – 1,700-lb. drum
G-50 – 1,600-lb. drum
G-80 – 1,500-lb. drum
G-120 – 1,400-lb. drum

Hardness

S 40 - 51 HRC
M 47 - 56 HRC
L 54 - 61 HRC
H 60+ HRC





RECYCLED PRODUCTS

- R-Blast (Brown Fused ALOX)
- Recycled Steel Shot
- Recycled Steel Grit





R-BLAST (RECYCLED BFA)

R-BLAST

- Produced from reclaimed BFA from various blasting operations.
- The material is cleaned by an open flame and air wash.
- It is further processed through a magnetic separator to remove metallic materials.
- Meets ANSI size specifications after recycle process.

Sizes Available

80, 90, 100, 120, 150, 180, 220, 240

Packaging

50-lb. bags: 2,000 lb. per pallet

400lb. kegs: 1,600 lb. per pallet

800lb. drum: 3,200 lb. per pallet

2,000-lb. bulk bags

Applications

- Abrasive Blasting
- Grinding
- Lapping
- Deburring
- Tumbling
- Buffing Compounds
- Etching
- Non-Slip Surfaces
- Fluidized Beds
- Plasma Sprays





RECYCLED STEEL PRODUCTS

Recycled Steel Shot & Recycled Steel Grit

- Produced from reclaimed shot/grit from various blasting operations.
- The material is cleaned by an open flame and air wash.
- It is further processed through a magnetic separator to remove non metallic materials and a spiral column to separate shot from grit.
- Finally, the material is sized to SAE J444 specifications.

Sizes Available

S-70 - S-660

Popular Sizes:

S-110, S-170, S-230

Packaging

40 count/50-lb. bags
2,000-lb. drum

Hardness

40 - 51 HRC



Sizes Available

G-10 - G-120

Popular Sizes:

G-25, G-40, G-50, G-80

Packaging

40 count/50-lb. bags
1,400-lb. drum (G-120)
1,500-lb. drum (G-80)
1,600-lb. drum (G-50)
1,700-lb. drum (G-40/G-25/G-18)

Hardness

50 - 56 HRC

