Maxi-Blast® inc.

MEDIA CATALOG

THERMOSET

1 THERMOSET GRANULATED MEDIA

Non-abrasive granulated plastic blast media is available in five distinct hardnesses, density categories and in precise size ranges. Common uses are Mold Cleaning, Paint & Coating Removal and Screw Cleaning.

2 ENGINEERED THERMOPLASTIC MEDIA

Our line of engineered thermoplastic media is available in a range of sizes, shapes and colors to fit specific deflashing needs. Deflashing can be done on molded rubber, or plastic and die cast parts at higher wheel speeds due to tremendous impact strength.

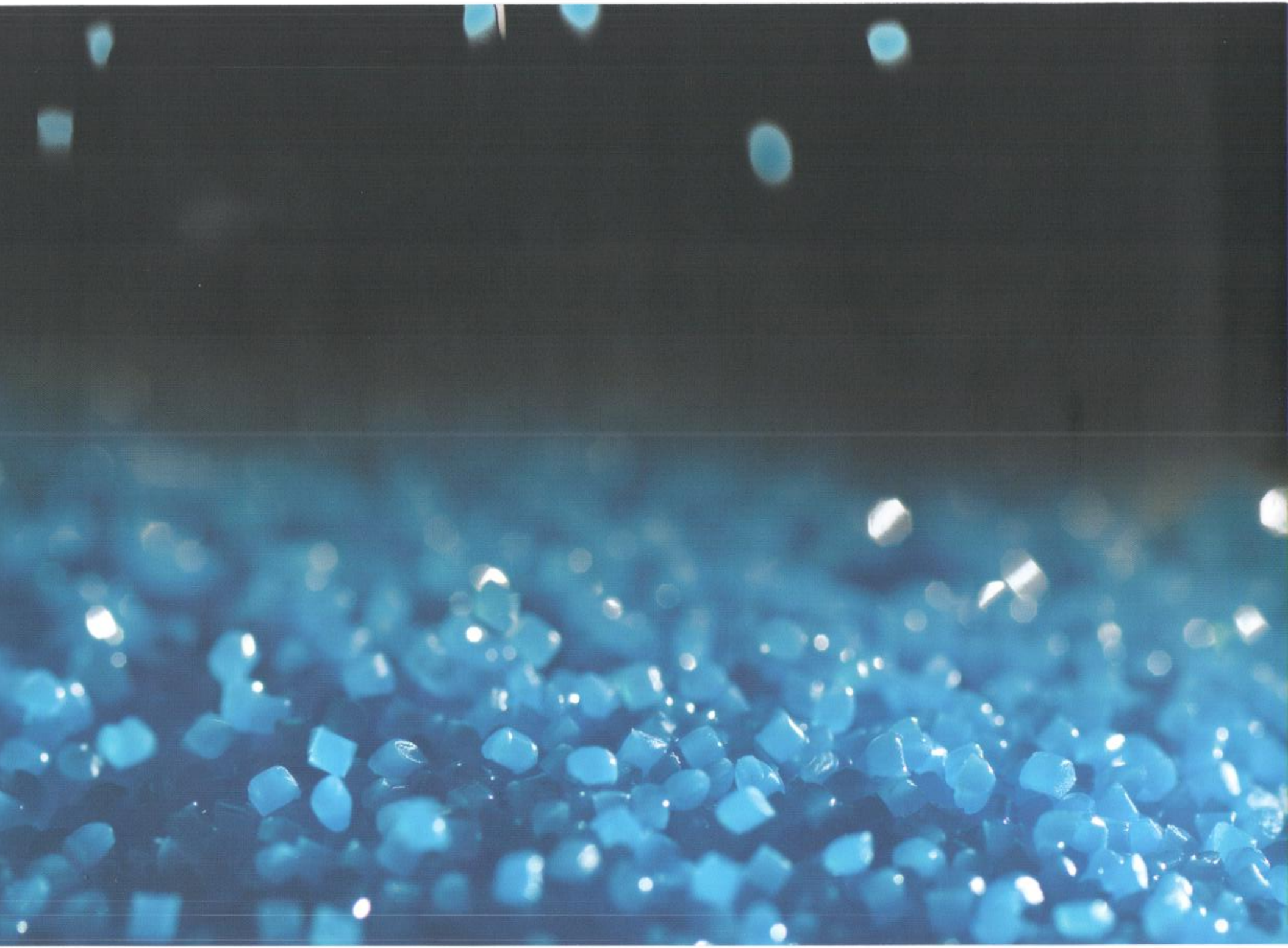
THE WORLD'S LEADER IN PLASTIC BLAST MEDIA

Since 1981, Maxi-Blast, Inc. has introduced non-abrasive blast finishing to thousands of manufacturers, specialty finishing shops and molders throughout the world. By providing superior products and establishing a technically skilled sales force, Maxi-Blast has become the largest plastic blast media producer in the United States.

Specializing in the manufacturing and distribution of non-abrasive plastic blast media, Maxi-Blast, Inc. has been providing an alternative to chemical cleaning and sandblasting-type abrasives for more than 25 years. In conjunction with our blasting machines, slow hand cleaning and hazardous chemical cleaning are virtually eliminated. Damage to surfaces during such processes as deflashing and deburring of plastic, rubber and metal parts is no longer a concern. Browse our deflashing media now to help with your specific blasting needs.

Common applications for use with our blasting media include screw cleaning, mold and die cleaning, paint stripping and powder coating removal, cryogenic deflashing, electronics deflashing and plastics deflashing. However, our line of plastic media is extensive enough for even the most distinctive applications. Replacing traditional industrial cleaning and deflashing methods with plastic media blasting can save our customers money by offering better quality finishing with shorter cleaning times.

For more information on the blast media designed for your applications, please contact us directly.



3 HARD ABRASIVES

Ideal for low cost abrasive blast cleaning. Common applications include preparing surfaces for bonding, removing heat treat scale, deburring and general cleaning.

4 TUMBLING MEDIA

Nylon tumbling media are non-abrasive and very durable. This type of media is mixed with rubber parts in a cryogenic tumbler in order to aid in the deflashing of parts and reduce deflashing cycle times.

5 AGRICULTURAL MEDIA

Organic media is non-toxic and produces no silicosis hazards. This produces a safer work environment and is effective in the deflashing of many thermoset parts.

6 STATIC CONTROL AND DUST INHIBITORS

The RB-2000 Anti-Static Injection System used with MBI-40 Liquid Static Inhibitor uniformly coats media particles and machine surfaces. The inhibitor provides an electrical discharge path to ground, virtually eliminating static problems in both air-blast (suction or pressure style) and centrifugal wheel-blast deflashing systems. Clean parts can then be removed from the deflashing system, free from dust and deflashing media. In addition, deflashing media can be expected to remain usable for a longer period of time, due to the more efficient removal of dust and flash.

THERMOSET GRANULATED MEDIA

AERO CLEAN®

Type: Granulated Plastic | Shape: Irregular | Mohs: 3.5

» Dry stripping of such parts as aluminum and fiberglass body vehicles, and aircraft components » Cleaning steel and aluminum molds

Part Designation	US Standard Sieve Size	Inches	Millimeters
AC-10/16	10/16	.079 - .047	2.00 - 1.19
AC-1	12/16	.066 - .047	1.68 - 1.19
AC-1.5	16/20	.047 - .033	1.19 - 0.84
AC-2	20/30	.033 - .023	0.84 - 0.58
AC-3	30/40	.023 - .017	0.58 - 0.42
AC-4	40/60	.017 - .010	0.42 - 0.25
AC-5	60/100	.010 - .006	0.25 - 0.15

ENDURO GRADE®

Type: Granulated Plastic | Shape: Irregular | Mohs: 3.0

» Cleaning aluminum molds and tooling

» Deflashing plated inserts on connectors, and electronic components

Part Designation	US Standard Sieve Size	Inches	Millimeters
EG-1	12/16	.066 - .047	1.68 - 1.19
EG-1.5	16/20	.047 - .033	1.19 - 0.84
EG-2	20/30	.033 - .023	0.84 - 0.58
EG-3	30/40	.023 - .017	0.58 - 0.42
EG-4	40/60	.017 - .010	0.42 - 0.25
EG-5	60/100	.010 - .006	0.25 - 0.15

THERMOSET GRANULATED MEDIA

MAXI-CLEAN®

Type: Granulated Plastic | Shape: Irregular | Mohs: 4.0

» Cleaning steel and chrome-plated molds as well as screws
» Deflashing and resin bleed removal from molded electronic components

Part Designation	US Standard Sieve Size	Inches	Millimeters
MC-1	12/16	.066 - .047	1.68 - 1.19
MC-1.5	16/20	.047 - .033	1.19 - 0.84
MC-2	20/30	.033 - .023	0.84 - 0.58
MC-3	30/40	.023 - .017	0.58 - 0.42
MC-4	40/60	.017 - .010	0.42 - 0.25
MC-5	60/100	.010 - .006	0.25 - 0.15

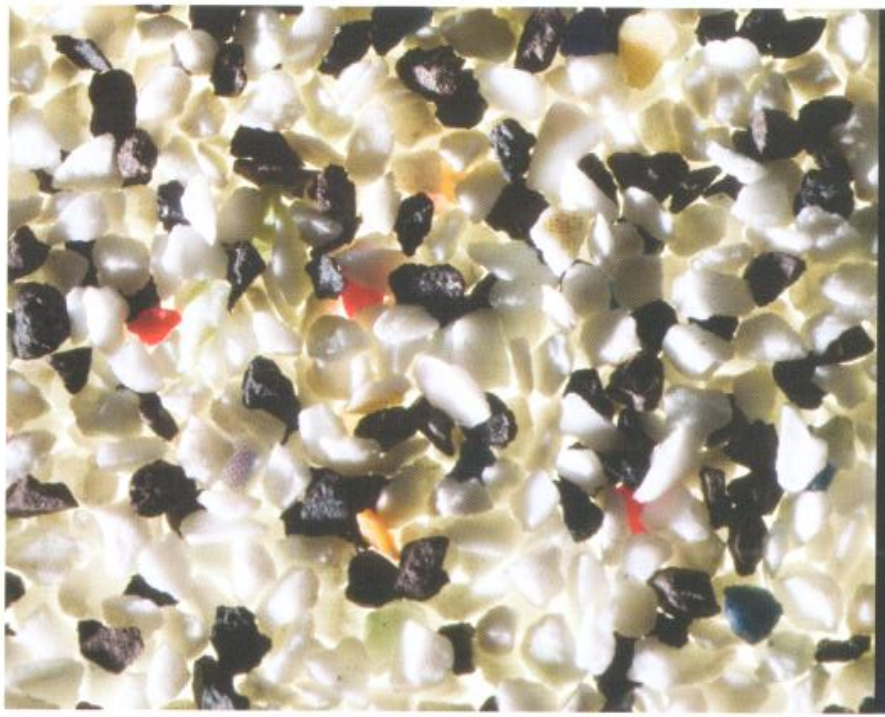
MAXI-VI®

Type: Granulated Plastic | Shape: Irregular | Mohs: 3.0

» Deflashing electronic components » Stripping coatings from sensitive substrates

Part Designation	US Standard Sieve Size	Inches	Millimeters
MS-1	12/16	.066 - .047	1.68 - 1.19
MS-1.5	16/20	.047 - .033	1.19 - 0.84
MS-2	20/30	.033 - .023	0.84 - 0.58
MS-3	30/40	.023 - .017	0.58 - 0.42
MS-4	40/60	.017 - .010	0.42 - 0.25
MS-5	60/100	.010 - .006	0.25 - 0.15

THERMOSET GRANULATED MEDIA



MULTI-BLAST®

Type: Granulated Plastic I Shape: Irregular I Mohs: 3.5

» Most versatile media for mold and screw cleaning to paint and powder coating
» Surface cleaning and adhesive removal from printing equipment

Part Designation	US Standard Sieve Size	Inches	Millimeters
MB-8/12	8/12	.093 - .066	2.36 - 1.68
MB-11/14	11/14	.078 - .055	2.00 - 1.40
MB-1	12/16	.066 - .047	1.68 - 1.19
MB-12/20	12/20	.066 - .033	1.68 - 0.84
MB-1.5	16/20	.047 - .033	1.19 - 0.84
MB-2	20/30	.033 - .023	0.84 - 0.58
MB-3	30/40	.023 - .017	0.58 - 0.42
MB-4	40/60	.017 - .010	0.42 - 0.25
MB-5	60/100	.010 - .006	0.25 - 0.15

WETBLAST®

Type: Granulated Plastic I Shape: Irregular I Mohs: 4.0/3.5

Media available in hard or medium grade

» Cleaning of electronic components in deflashing equipment
» Light metal deburring

Part Designation	US Standard Sieve Size	Inches	Millimeters
WBM-2	20/30	.033 - .023	0.84 - 0.58
WBM-3	30/40	.023 - .017	0.58 - 0.42
WBM-4	40/60	.017 - .010	0.42 - 0.25
WBM-5	60/100	.010 - .006	0.25 - 0.15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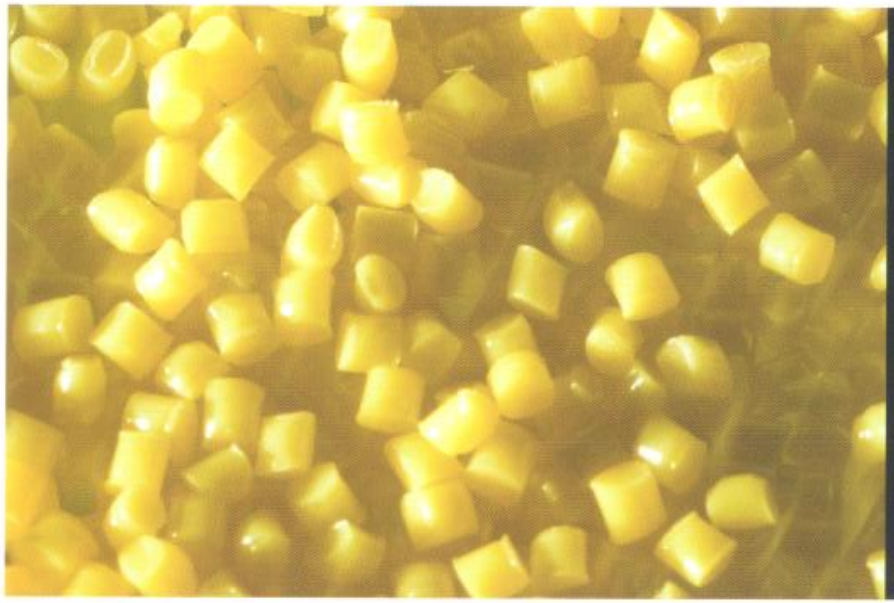
ENGINEERED THERMOPLASTIC MEDIA

CRYOGENIC GRADE®

Type: Engineered Plastic I Shape: Cylindrical

» Deflashing all types of molded rubber parts
» Low temperature/high RPM shot-blast deflashing

Part Designation	Inches Length x Width x Diagonal	Millimeters Length x Width x Diagonal
CG-125	.125 x .125 x .176	3.18 x 3.18 x 4.48
CG-80	.080 x .080 x .113	2.03 x 2.03 x 2.87
CG-60	.060 x .060 x .085	1.52 x 1.52 x 2.15
CG-45	.045 x .045 x .063	1.14 x 1.14 x 1.61
CG-38	.038 x .038 x .054	0.96 x 0.96 x 1.35
CG-30	.030 x .030 x .042	0.76 x 0.76 x 1.07
CG-20	.020 x .020 x .028	0.50 x 0.50 x 0.72
CG-15	.015 x .015 x .021	0.38 x 0.38 x 0.54



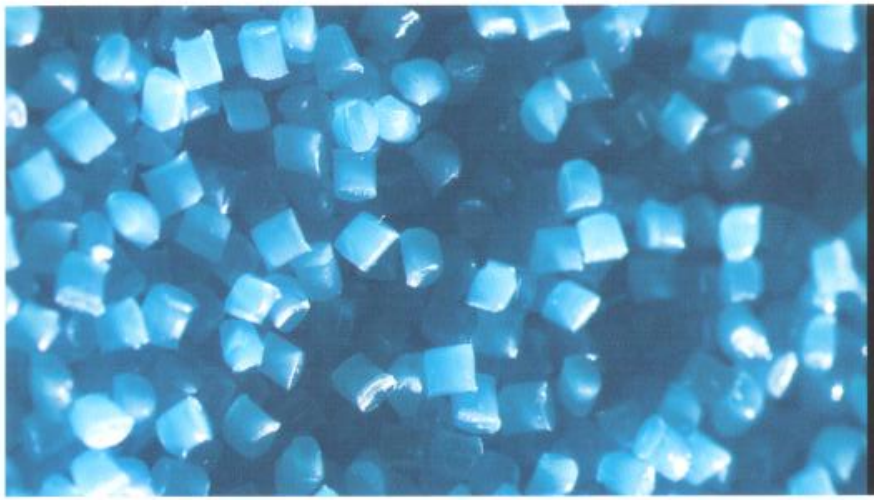
POLYCARBONATE®

Type: Engineered Plastic I Shape: Cylindrical

» Deflashing of thermoset parts
» Deburring of machined die cast parts

Part Designation	Inches Length x Width x Diagonal	Millimeters Length x Width x Diagonal
PC-60	.060 x .060 x .085	1.52 x 1.52 x 2.15
PC-45	.045 x .045 x .063	1.14 x 1.14 x 1.61
PC-30	.030 x .030 x .042	0.76 x 0.76 x 1.07
PC-20	.020 x .020 x .028	0.50 x 0.50 x 0.72
PC-15	.015 x .015 x .021	0.38 x 0.38 x 0.54

ENGINEERED THERMOPLASTIC MEDIA

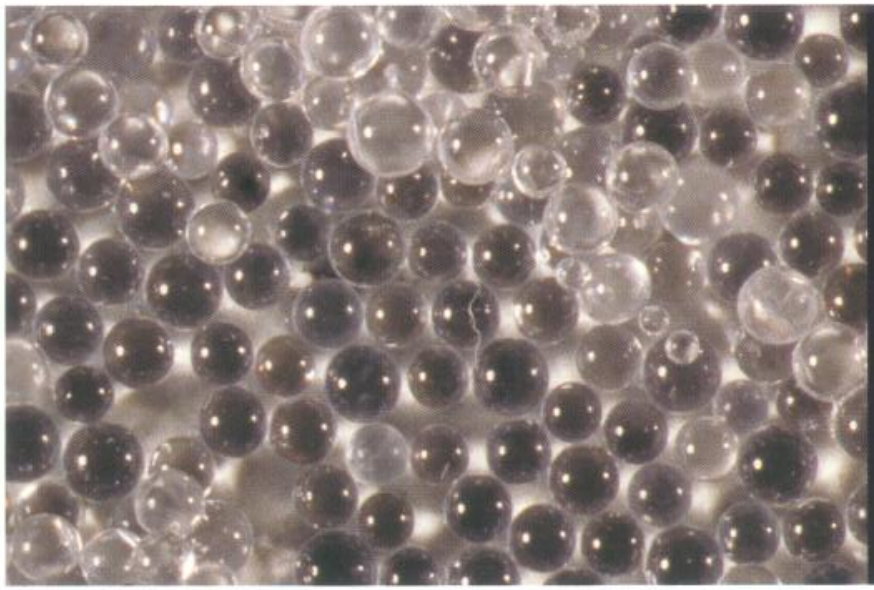


BLAS-TIC®

Type: Engineered Plastic | Shape: Cylindrical

» Deflashing plastics and rubber
» Deburring of metals

Part Designation	Inches Length x Width x Diagonal	Millimeters Length x Width x Diagonal
BT-60	.060 x .060 x .085	1.52 x 1.52 x 2.15
BT-45	.045 x .045 x .063	1.14 x 1.14 x 1.61
BT-38	.038 x .038 x .054	0.96 x 0.96 x 1.35
BT-30	.030 x .030 x .042	0.76 x 0.76 x 1.07



SPHERICAL POLYSTYRENE®

Type: Engineered Plastic | Shape: Spherical

» Deflashing sensitive electronic components or delicate rubber parts
» Deflashing of delicate plastic parts

Part Designation	US Standard Sieve Size	Inches	Millimeters
PB-00	12/18	.066 - .039	1.68 - 0.99
PB-1	18/30	.039 - .024	0.99 - 0.61
PB-2	30/45	.024 - .014	0.61 - 0.36
PB-2.5	35/45	.020 - .014	0.50 - 0.36
PB-3	45/100	.014 - .006	0.36 - 0.15
PB-4	60/100	.010 - .006	0.25 - 0.15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ENGINEERED THERMOPLASTIC MEDIA

POLYAMIDE CUBICAL®

Type: Engineered Plastic | Shape: Cubical

» Deflashing on thermoset appearance parts

» Deburring of machined die cast parts

Part Designation	Inches	Millimeters	Colour
PA-70	.070 cube x .121 (diagonal)	1.78 cube x 3.08 (diagonal)	Natural Only
PA-60	.060 cube x .104 (diagonal)	1.50 cube x 2.64 (diagonal)	Red, Natural or Yellow
PA-50	.050 cube x .087 (diagonal)	1.27 cube x 2.20 (diagonal)	Red Only
PA-40	.040 cube x .069 (diagonal)	1.00 cube x 1.76 (diagonal)	Red or Natural
PA-30	.030 cube x .052 (diagonal)	0.75 cube x 1.32 (diagonal)	Red or Natural
PA-20	.020 cube x .035 (diagonal)	0.50 cube x 0.88 (diagonal)	Red or Natural

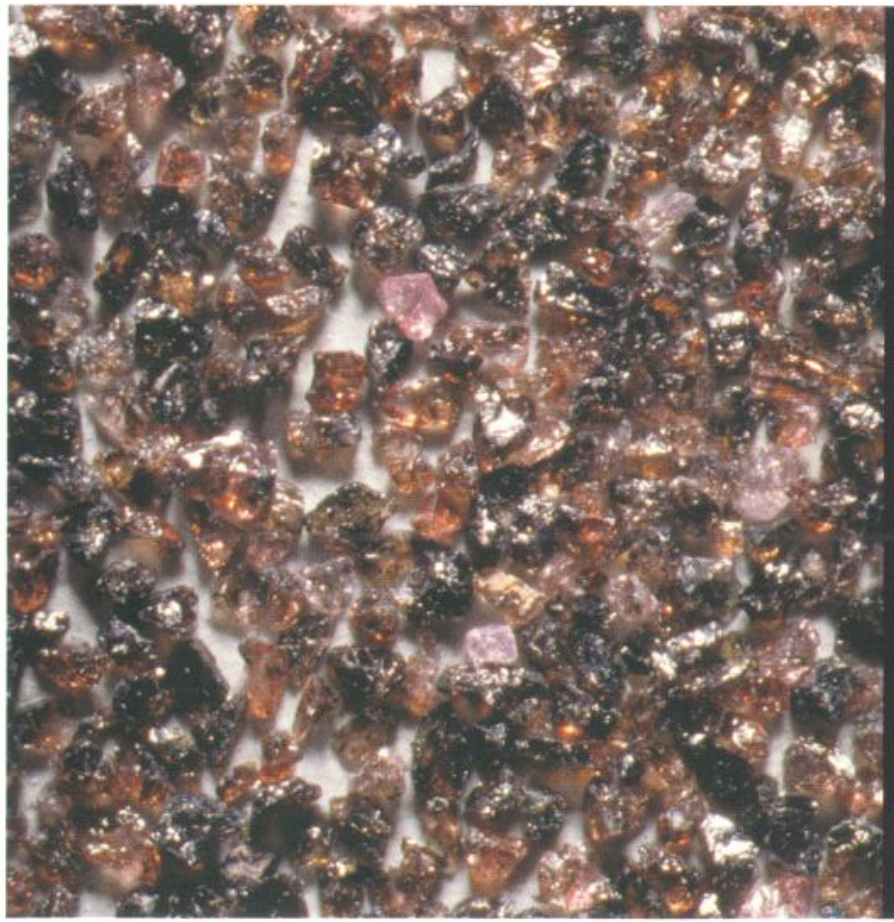
POLYAMIDE CYLINDRICAL®

Type: Engineered Plastic | Shape: Cylindrical

» Deflashing on thermoset appearance parts

» Deburring of machined die cast parts

Part Designation	Inches Length x Width x Diagonal	Millimeters Length x Width x Diagonal	Colour
PAC-40	.040 x .040 x .056	1.00 x 1.00 x 1.41	Red or Natural
PAC-30	.030 x .030 x .042	0.76 x 0.76 x 1.07	Red Only
PAC-20	.020 x .020 x .028	0.50 x 0.50 x 0.72	Red Only
PAC-15	.015 x .015 x .021	0.38 x 0.38 x 0.54	Red Only

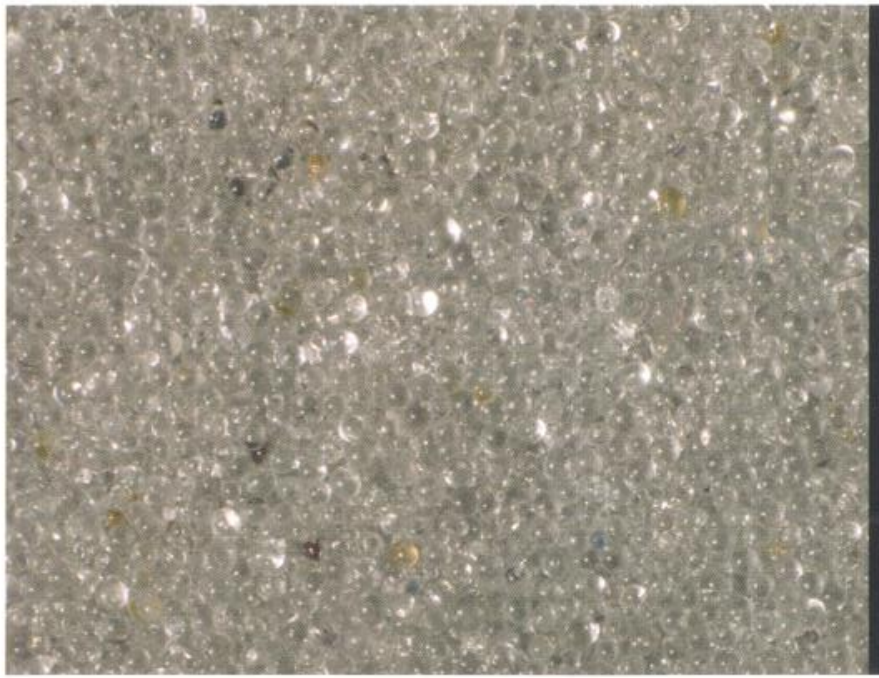


ALUMINUM OXIDE

» Providing an anchor pattern on surfaces, for good recoating and bonding characteristics
» Removing heavy foreign matter, such as rust & mil-scale

Part Designation	Grit Size	Micron Size	Inches	Millimeters
AO-16	16	1140	.045	1.14
AO-24	24	985	.0394	.985
AO-36	36	500	.0197	.500
AO-46	46	412	.0165	.412
AO-50	50	297	.0117	.297
AO-54	54	277	.0109	.277
AO-60	60	250	.0098	.250
AO-80	80	177	.0070	.177
AO-120	120	125	.0049	.125
AO-150	150	102	.0041	.102
AO-180	180	84	.0033	.084
AO-220 Brown	220	72	.0029	.072
AO-220 White	220	72	.0029	.072

HARD ABRASIVES



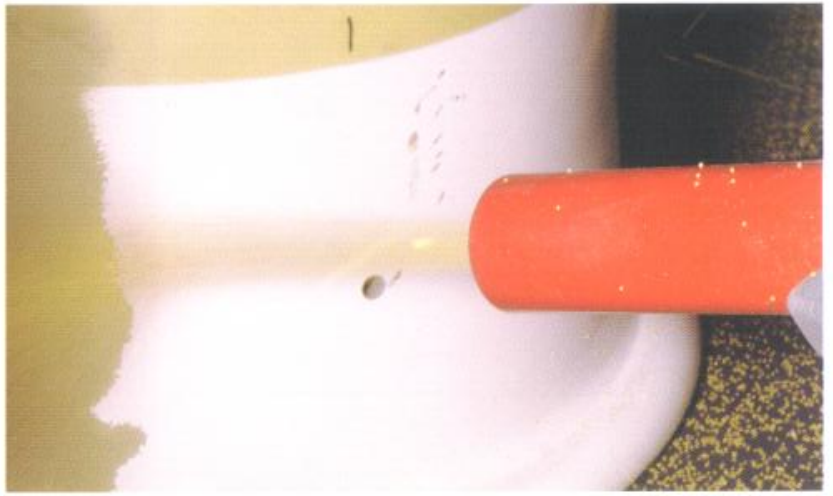
GLASS BEAD

Type: High-Grade Optical Crown Glass | Shape: Round

» Low cost cleaning, peening and deburring

» Provides a matte finish

Part Designation	Grit Size	Inches	Millimeters
GB-20/30	20/30	.0331 - .0234	0.84 - 0.59
GB-30/40	30/40	.0234 - .0165	0.60 - 0.43
GB-40/60	40/60	.0165 - .0098	0.42 - 0.25
GB-60/100	60/100	.0098 - .0059	0.25 - 0.15
GB-100/170	100/170	.0059 - .0035	0.15 - 0.09
GB-140/270	140/270	.0041 - .0021	0.11 - 0.05
GB-170/325	170/325	.0035 - .0017	0.09 - 0.04
GB-270F	270 & Finer	.0021 - PAN	0.05 - 0.00



TUMBLING MEDIA

TUMBLING MEDIA

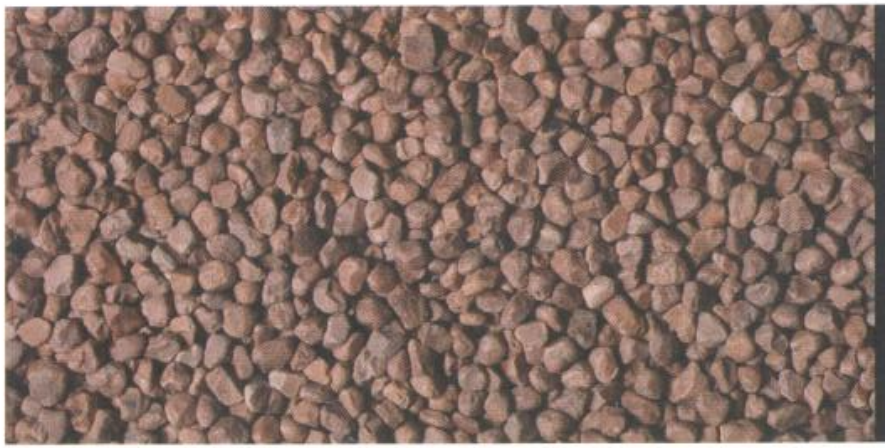
Type: Engineered Thermoplastic Polyamide | Shape: Triangular

» Deflashing rubber parts in a cryogenic tumbler and in an ambient tumbler

» Deflashing OD areas and some ID's

Part Designation	Inches
NT-1	1.00 x 1.00 x .375 thick

AGRICULTURAL MEDIA

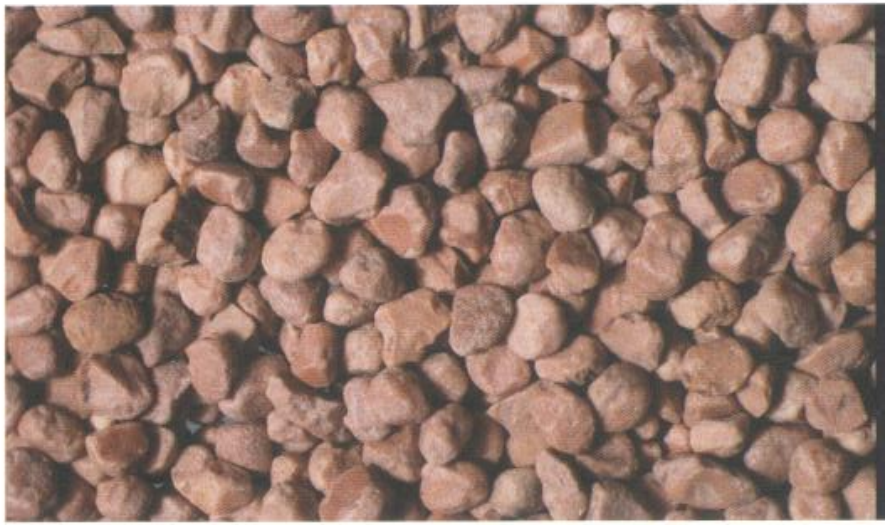


APRICOT PIT

Type: Organic | Shape: Granular | Mohs: 3.0

» Deflash thermoset parts

Part Designation	US Standard Sieve Size	Inches	Millimeters
AP-8/12	8/12	.094 - .066	2.39 - 1.68
AP-12/20	12/20	.066 - .033	1.68 - 0.84
AP-20/30	20/30	.033 - .023	0.84 - 0.58



WALNUT SHELL

Type: Organic | Shape: Granular | Mohs: 3.0

» Deflash thermoset parts

Part Designation	US Standard Sieve Size	Inches	Millimeters
WA-8/12	8/12	.094 - .066	2.39 - 1.68
WA-12/20	12/20	.066 - .033	1.68 - 0.84
WA-20/30	20/30	.033 - .023	0.84 - 0.58
WA-30/100	30/100	.023 - .006	0.58 - 0.15
WA-100	100	.006 & Finer	0.15 & Finer

STATIC CONTROL AND DUST INHIBITOR

ANTI-STATIC

STATIC CONTROL AND DUST INHIBITOR

Type: Liquid

» Reduce dust during blasting

» Reduce static during blasting

MBI-40

MBI-1001

MBI-1001 Red

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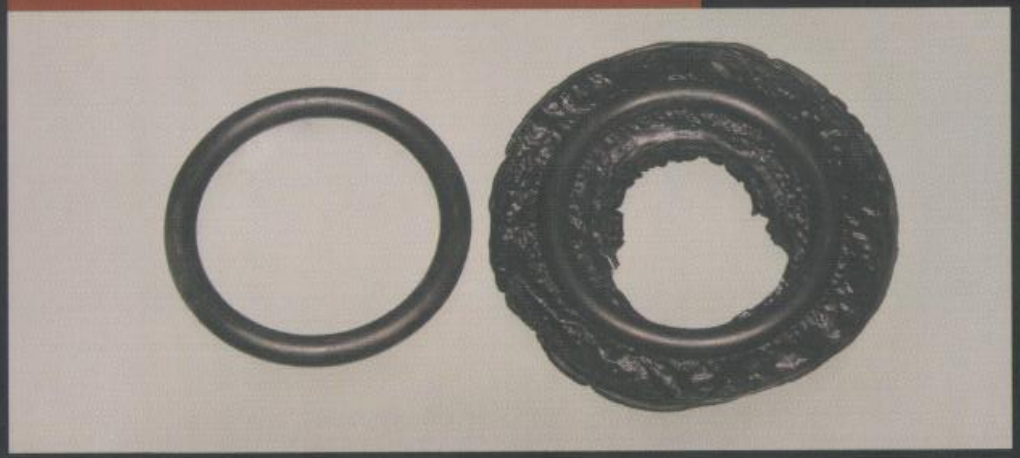
APPLICATIONS

SCREW CLEANING

Extrusion, injection and even twin screw cleaning can be done without harsh chemicals or long hours of hand cleaning. Our effective blasting media, used in conjunction with the Maxi-Blast Mobile Screw Cleaning System, reduces cleaning time to an average of 30 minutes per screw.

The recommended media grade, Maxi-Clean (MC), is blasted out of a pressurized blast hose that only strips surface buildup, leaving the screw untouched and undamaged. The screw is then ready for reuse with no further cleaning or prepping needed.

RUBBER DEFLASHING

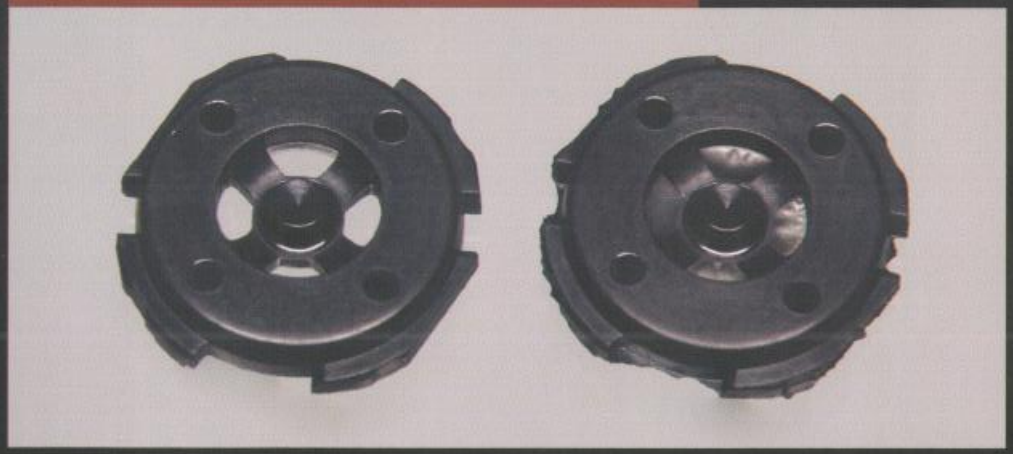


In the cryogenic shot-blast deflashing process, our patented cryogenic grade polycarbonate media (CG) is blasted at rubber parts by means of a turbine blast wheel that spins at speeds of up to 6,000-10,000 RPM. The media impacts with the parts (frozen by means of liquid nitrogen) which are tumbled in the blast machine. Temperatures can reach -300° F (-184° C), effectively freezing the flash, or the excess where the mold halves meet, which is created during the rubber molding process.

This process will quickly deflash parts in an approximate 3-5 minute cycle. Once the parts emerge from the blast system and warm to room temperature, they are perfectly shaped with no signs of flash or damage.

APPLICATIONS

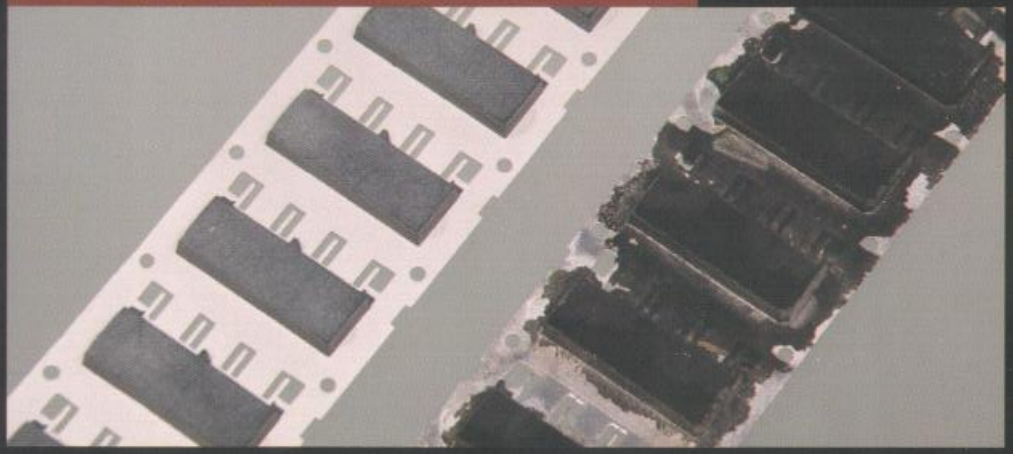
PLASTICS DEFLASHING



Our extensive line of deflashing media offers plastic molders various options for deflashing plastic parts without having to worry about particle lodging. Polycarbonate grade (PC) is best for tough deflashing applications, while polyamide grade (PA) is tailored toward appearance parts. For smaller, more sensitive parts we offer a polystyrene grade (PB).

The media are blasted by means of a turbine blast wheel rotating at speeds of up to 6,000 RPM, or by air pressure nozzles at up to 90 PSI (6 bar). Where the two mold halves meet, flash, or burrs, is created. Upon impact with the media, the flash breaks off in an approximately 3-5 minute cycle, resulting in perfectly clean and deflashed plastic parts ready for assembly.

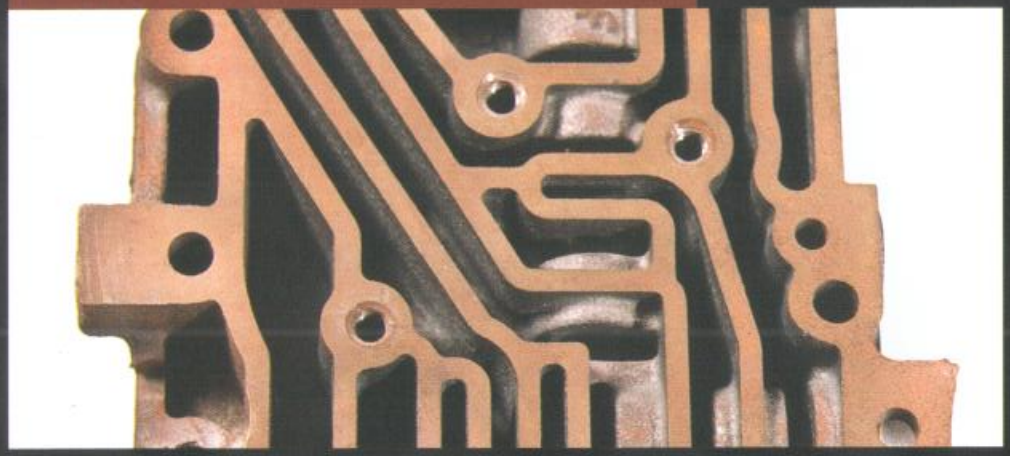
ELECTRONICS DEFLASHING



Depending on the type of electronic part, whether tiny in size like an SOT-89 or larger like TO-220's, Maxi-Blast's range of deflashing media has the right size specification and hardness for quick, yet safe resin bleed and flash removal. Using an air blast cabinet, optimal cleaning of transfer molded electronic components including transistors, resistors, capacitors, thyristors, opto-sensors, and many other IC components is achieved with the correct grade of non-abrasive blast media.

APPLICATIONS

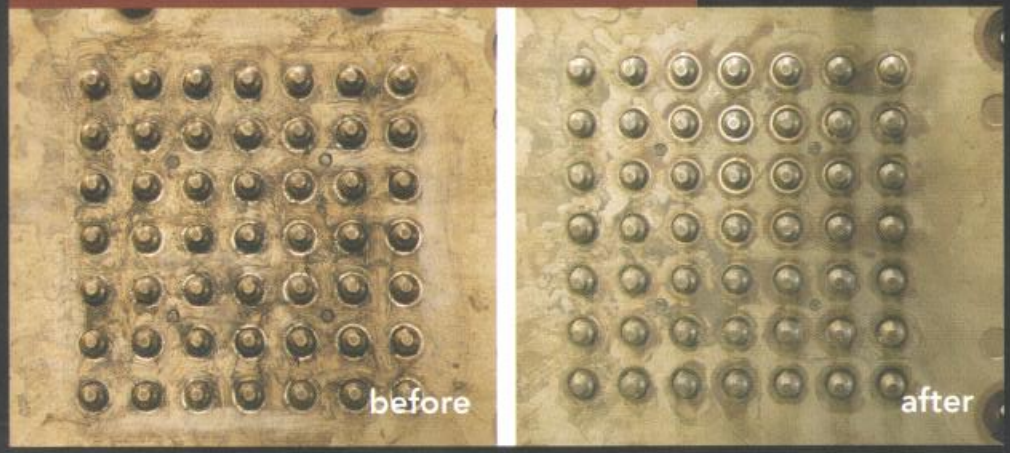
METAL DEBURRING



Deburring metal parts with Maxi-Blast plastic media is a unique and effective application. Many zinc and aluminum die castings require only light deburring without affecting the part surface; Multi-Blast (MB), PC and PA media work well for this non-abrasive deburring. Also, machined metal parts have loose burrs that can easily be blasted away without affecting the surface.

Huge time savings can be achieved with either ambient or cryogenic deflashing/deburring of zinc, aluminum and machined metal parts in 3-5 minute cycles as opposed to old style vibratory tumbling, which can take 30-60 minutes to wear away burrs. This can be done by either turbine wheel blasting or by air pressure blasting. With plastic media deburring, the surfaces and edges are perfectly sharp and left in die cast or machined condition as opposed to tumbling and vibratory deburring, which slowly wears down edges and roughens surfaces.

MOLD CLEANING



The Maxi-Blast Mold Cleaning System is ideal for cleaning molds, dies and tooling with speed and efficiency. Molds do not have to be disassembled for cleaning because the system is able to hold the entire mold. Molds do not need to be cooled down either, as the plastic media is still effective on hot molds.

Hard-to-reach corners and small cavities are easily cleaned with media specifically designed and sized for mold cleaning, such as our Maxi-Clean grade (MC). The plastic media is continually recycled, increasing longevity and cost savings. With a range of media hardness, residue and mold fouling are easily removed without surface damage.

APPLICATIONS

PAINT & POWDER COATING REMOVAL

Media blasting to strip paint or remove powder coatings is a far more effective and safer method than chemical cleaning or hand stripping. Parts will not be damaged, nor will there be surface pitting or contamination. In minutes, the part is stripped and ready for re-coating.

Parts can easily and quickly be stripped in the Pressure Blast System with no exposure to hazardous chemicals. For more sensitive substrates such as fiberglass, favorable results can also be achieved with a softer grade of media like Maxi-VI (MS) or Aero-Clean (AC).

AEROSPACE

Along with being ISO 9001-2008 registered, Maxi-Blast has achieved MIL-SPEC approvals for Type II and Type V plastic blast media (Mil-P-85891A). Maxi-Blast has also been approved as a supplier for GE Aircraft Engines, Rolls Royce Aircraft Engines and many major airlines, aircraft component manufacturers and MRO's worldwide.

Both the military and aerospace industries utilize Maxi-Blast plastic blast media to strip paint and coatings from wheels, landing gear, propellers and rotors, generators, aircraft engines and other critical aviation components. With plastic blast media, consistent stripping is achieved and there is no need for chemical strippers.

ABOUT US

Founded in 1981, Maxi-Blast, Inc. was established in response to a need for high-quality, plastic, non-abrasive deflashing media in the rubber, plastics, electronics and metal deburring industries.

As granulated plastic media for non-abrasive surface cleaning developed further in the mid-80's, applications such as mold cleaning and paint stripping fueled our growth. Maxi-Blast also became a leading distributor for top quality, heavy-duty pressure blast equipment. The military and aerospace fields also helped us expand as they began replacing hazardous chemical stripping of aircraft and parts with plastic blast media. Additionally, the U.S. Military applied Military Specification Mil-P-85891A to plastic media products, making the use of plastic blast media more common.

Maxi-Blast is now world renowned in the following industries: rubber molding, plastic molding and extrusion, paint and powder coating removal (Industrial and Aerospace), electronics deflashing, and many other areas in which efficient plastic media blasting has replaced hand finishing and hazardous chemicals.

If your company is ready to begin taking advantage of Maxi-Blast Inc's efficient, non-abrasive plastic blast media processes, contact us today. Our highly trained experts will guide you in successfully preparing for your application and put you in touch with our knowledgeable distributors (available in most countries and every continent) if necessary. At Maxi-Blast, we are dedicated to providing our clients with the highest quality products available on the market—we are after all, the world's leader in plastic blast media.

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