

**FIRST TO FINISH**



**TECHNOLOGY  
CORPORATION**



*Everything you need for surface preparation and coating removal.*

*U.S. Technology Corp. provides comprehensive surface preparation and coatings-removal solutions to makers and users of aircraft, electronics, vehicles, ships and rigs, refineries and bridges. We do more than simply supply media that rapidly remove paint and other coatings from hard or delicate surfaces. We also supply facilities engineering, equipment and technical support so that your entire operation benefits.*



## REDUCE COST AND PAPERWORK WITH MEDIA LEASE AND RECYCLING SERVICES

U.S. Technology will recycle your blasting media so you can reduce your overall depaint cost including the cost of transporting, tracking and disposing hazwaste. U.S. Technology's recycle program is approved by state and federal environmental agencies as exempt, so you will no longer be a generator of hazwaste.

- No tracking, transporting, storing, and disposing of your spent blasting media and paint residue – our recycling process covers it all.
- Your total media cost is reduced by eliminating disposal and transport costs.
- We invite our customers to inspect our recycle facility.
- Our recycle products are manufactured under a patented process.
- Whether you use Types I, II, III, V, VI, or glass bead, Magic™, QuickStrip™, or SpongeBlast™, we can provide our recycling services to make your job more economical.



US TECHNOLOGY  
CORPORATION

U.S. TECHNOLOGY  
1446 West Tuscarawas Street  
Canton, Ohio 44702  
phone (330) 455-1181  
toll free (800) 634-9185  
fax (330) 455-1191  
[www.ustechnology.com](http://www.ustechnology.com)



## **CUSTOM ENGINEERED FOR THE PMB INDUSTRY**

If your operation involves surface conditioning, surface treatment or coating removal, consider the advantages of Polymedia®.

- Eliminate the use of chemical paint strippers.
- Reduce the cost, risk and environmental impact associated with chemical stripping.
- Choose from a range of specialty performance media, all custom-engineered.
- Harness the strength of the industry's leader. U. S. Technology pioneered the development of the plastic media blasting technology and is recognized as the leader in specialty plastic abrasives.
- Choose from four different types and hardnesses: Polyextra, Polyplus, Type III, and Poly V.

**Polyextra** – Designed for use in soft-abrasive finishing and deflashing operations. Surface contamination is removed without distortion or harm to the base material.

**Polyplus** – Perfect for a wide variety of light industrial cleaning, depainting or surface treatment applications. Cost-effective replacement for chemical stripping operations and superb paint remover.

**Type III** – Our most aggressive media. It works fast, and approaches hard abrasives in surface-finishing capabilities. This media offers a fast, cost-effective alternative to other removal methods.

**PolyV** – Designed to provide coating-removal and surface-preparation for aircraft and sensitive surfaces with minimal substrate abrasion, and has high reusability.

| <b>UST Tradename:</b>   | <b>Mil Spec:</b> |                | <b>Type of Material:</b> |               |
|---|------------------|----------------|--------------------------|---------------|
| Polyextra   | Type I           |                | Polyester                |               |
| Polyplus  | Type II          |                | Urea Formaldehyde        |               |
| Type III  | Type III         |                | Melamine Formaldehyde    |               |
| Poly V  | Type V           |                | Acrylic                  |               |
| <b>Physical Characteristics:</b>  | <b>Type I</b>    | <b>Type II</b> | <b>Type III</b>          | <b>Type V</b> |
| <b>MOHS:</b>  | 3.0              | 3.5            | 4.0                      | 3.5           |
| <b>Barcol:</b>  | 34-42            | 54-62          | 64-72                    | 46-54         |
| <b>Specific Gravity (gms/cc):</b>   | 1.15-1.25        | 1.47-1.52      | 1.47-1.52                | 1.15-1.20     |
| <b>Bulk Density (lbs./cu. ft.):</b>   | 45-48            | 58-60          | 58-60                    | 45-48         |
| <b>Max. Oper. Temp. deg. F.:</b>  | 250              | 300            | 350                      | 200           |
| <b>Chemical Nature:</b>   | Inert            | Inert          | Inert                    | Inert         |
| <b>Packaging:</b> Available in 50 lb. bags/boxes; 250 lb. fibre drums; 300 lb. steel drums (recycling program), 2,000 lb. supersacks. |                  |                |                          |               |



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## FOR SPEED AND CORROSION REMOVAL

- Quickly removes coatings from steel and other surfaces: provides desired profile for recoating, plating, welding, anodizing, and painting.
- Achieves SSPC-SP5 white metal.
- Removes pitted corrosion and rust.
- Usable on vehicles, tanks, bridges, refineries, ships, offshore rigs.
- Qualifies for "Lease & Recycle" eliminating hazwaste generation.
- Low weight facilitates recovery.
- Silica free.

For Normal Corrosion and Rust Removal; Surface Profiles; Fast Strip Rates:

|                             |   |             |
|-----------------------------|---|-------------|
| <b>Product Trade Name:</b>  | <b>QuickStrip™ G</b>                                      |             |
| <b>Product Description:</b> | Amino thermoset plastic abrasive with Glass Oxide Cullet. |             |
| <b>Product Part Number:</b> | USTQS011020G - 2000 lb. supersacks                        | (coarse)    |
|                             | USTQS021020G - 300 lb. drums                              | (coarse)    |
|                             | USTQS012040G - 2000 lb. supersacks                        | (medium)    |
|                             | USTQS022040G - 300 lb. drums                              | (medium)    |
|                             | USTQS013050G - 2000 lb. supersacks                        | (fine)      |
|                             | USTQS023050G - 300 lb. drums                              | (fine)      |
|                             | USTQS014060G - 2000 lb. supersacks                        | (superfine) |
|                             | USTQS024060G - 300 lb. drums                              | (superfine) |
| <b>Size:</b>                | Coarse  | 10/20 mesh  |
|                             | Medium  | 20/40 mesh  |
|                             | Fine  | 30/50 mesh  |
|                             | Superfine   | 40/60 mesh  |

For Heavy Corrosion and Rust Removal; Surface Profiles; Fast Strip Rates:

|                             |  |             |
|-----------------------------|--|-------------|
| <b>Product Trade Name:</b>  | <b>QuickStrip™ A</b>                                 |             |
| <b>Product Description:</b> | Amino thermoset plastic abrasive with Aluminum Oxide |             |
| <b>Product Part Number:</b> | USTQS011020A - 2000 lb. supersacks                   | (coarse)    |
|                             | USTQS021020A - 300 lb. drums                         | (coarse)    |
|                             | USTQS012040A - 2000 lb. supersacks                   | (medium)    |
|                             | USTQS022040A - 300 lb. drums                         | (medium)    |
|                             | USTQS013050A - 2000 lb. supersacks                   | (fine)      |
|                             | USTQS023050A - 300 lb. drums                         | (fine)      |
|                             | USTQS014060A - 2000 lb. supersacks                   | (superfine) |
|                             | USTQS024060A - 300 lb. drums                         | (superfine) |
| <b>Size:</b>                | Coarse   | 10/20 mesh  |
|                             | Medium   | 20/40 mesh  |
|                             | Fine   | 30/50 mesh  |
|                             | Superfine  | 40/60 mesh  |

\*Special blends available upon request.

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## UNLEASHING A NEW DIMENSION IN BLASTING MEDIA

Sponge Blast™, available from U.S. Technology Corp., is designed to add speed and decrease dust in the removal of paint and other coatings.

- Used for blasting, cleaning, selective stripping and other purposes.
- Contains microencapsulated abrasives, cleaning agents or other performing materials that activate on impact.
- Also available without abrasives for cleaning without damaging the substrate.
- Minimizes dust associated with traditional blasting media.
- Easy to clean and recycle.
- Manufactured under U.S. Patents: 5,256,703; 4,828,542; 5,098,621.

|                             |  |
|-----------------------------|--|
| <b>Product Trade Name:</b>  | Sponge Blast™ w/Alox   |
| <b>Product Description:</b> | A urethane foamed sponge containing microencapsulated aluminum oxide abrasive particles.   |
| <b>Product Part Number:</b> | USTSB011430 - fine<br>USTSB020616 - medium<br>USTSB030314 - coarse   |
| <b>Sponge Size:</b>         | 14/30 Mesh - U.S. Standard sieve* - fine<br>6/16 Mesh - U.S. Standard sieve* - medium<br>3/14 Mesh - U.S. Standard sieve* - coarse |
| <b>Abrasive Size:</b>       | 16, 36, 80, 180, 220 mesh  |
| <b>Packaging:</b>           | in 30 lb. Bags or 200 lb. Drums  |

\* Mil Spec Mil P85891 test protocol

# SPONGE BLAST™

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## FOR UNMATCHED PERFORMANCE, **SAY MAGIC**

Magic™, available only from U.S. Technology Corp., is designed to make man hours in your depainting operation disappear into thin air.

- Performs three to four times faster than traditional plastic blasting media.
- Based on emerging nanocomposite technology.
- Engineered specifically for high-performance aerospace blasting environment, where rapid repainting is a priority.
- Tremendous savings in material and labor cost.

|                             |  |
|-----------------------------|--|
| <b>Product Trade Name:</b>  | Magic™   |
| <b>Product Description:</b> | A Nanostructured composite abrasive media made of blended amino thermoset resins and reinforcing fibre.                |
| <b>Product Part Number:</b> | USTMA013060 - 250 lb. net wt. Drum<br>USTMA023060 - 1750 lb. net wt. Supersack   |
| <b>Size:</b>                | 30/60 Mesh - U.S. Standard sieve*  |
| <b>Hardness:</b>            | 60 Barcol  |
| <b>Density:</b>             | 1.40 to 1.46   |
| <b>Strip Rate:</b>          | @ 30 PSI 4 sq. ft/min.<br>@ 25 PSI 3 sq. ft/min.<br>1/2" Double venture nozzle Mil Spec epoxy primer, urethane topcoat |
| <b>Consumption:</b>         | @ 30 PSI 5%<br>@ 25 PSI 3%<br>* Mil Spec test method   |
| <b>Conductivity*:</b>       | 100.00 $\mu^s$ max.  |
| <b>Heavy Particles*:</b>    | 0.02 max.  |
| <b>Light Particles*:</b>    | 1.00 max.  |
| <b>Anstatic Level*:</b>     | 7/8 of an inch   |
| <b>Specific Gravity:</b>    | 1.46 max.  |
| <b>ASH:</b>                 | 2.00% max.   |
| <b>Extract:</b>             | 1.00% max.   |
| <b>pH:</b>                  | 8 max.   |

\* Mil Spec Mil P85891 test protocol

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**INDUSTRIAL**



**COMMERCIAL**



**LET**



**RECYCLE  
YOUR  
BLAST MEDIA**



**RESIDENTIAL**



**A PRODUCT OF**

**SEALTECH**



**TECHNOLOGY  
CORPORATION**

**800-634-9185**

**WWW.USTECHNOLOGY.COM**

**ABOUT  
U.S. TECHNOLOGY CORPORATION**

U.S. Technology operates three locations in Canton, Ohio, where the company is headquartered, and has offices in San Antonio, New York, St. Louis and California.



1446 W. TUSCARAWAS ST. CANTON, OH 44702  
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**RODECO COMPANY**

Metal Finishing Equipment and Supplies  
5811 Elwin Buchanan Drive  
Sanford, North Carolina 27330  
(919) 775-7149 • Fax (919) 774-3130