

The Benefits Anionics Offers Your Company

Anionics Inc. serves the needs of industries that include: aerospace, automotive, nuclear, aircraft, instrumentation, electronics, commercial, job shops, power generation.

1.) **EBW- Electron Beam Welding** Electrons are generated by heating the filament located in the electron beam gun. The electrons are then shaped to form the electron beam; the beam travels through an anode/column valve/magnetic focusing lens/deflection coil, entering the chamber work area to the part where it's accelerated to a velocity of 1/2 the speed of light. This concentrated stream of electrons generates kinetic energy upon impact with the metal part, creating heat resulting in fusion or melting of the two pieces to be joined. This high technology welding of most metals, including bi-metal, is certified to aerospace & industries' specs.

Anionics Benefits to You: unique chamber sizes, precision welding, low heat distortion, welds dissimilar materials, high & low volume production capabilities, fast turnaround.

2.) **DUN - Dunnage Washing** is used in many industries such as: automotive, aerospace, large or small assemblies, appliance, electronic, grocery stores, drug stores, etc. This is a sanitized cleaning process of reusable shipping containers, sometimes referred to as buckhorn totes. With items where cleanliness is essential, parts/trays/containers/totes, the bigger the volume/the harder it is to wash by hand. Every high volume company is doing dunnage, some in-house, but it's very labor-intensive. Anionics provides a cost-effective way to maintain the quality of companies' reusable dunnage with our automated plastic dunnage washing system. Everybody needs it and most companies don't know there is a better way than expensively doing it in-house, and/or doing it by hand often times holding a hose. We provide that easier way.

Anionics Benefits to You: trays/containers/totes sanitized in cost-effective way that saves the customer time & money.

3.) **IMP- Vacuum Impregnation** is used by many industries with the following parts: cylinder heads, engine blocks, fuel systems, refrigeration compressors, power steering components, rack & pinion housings, electrical devices, valves, manifolds, regulators, natural gas controls, hydraulic pumps, electrical/electronic enclosures, military/aerospace hardware. By means of vacuum and internal impregnation, IMP works to eliminate leaks, improve the quality of products, reduce warranty costs, reduce costly inspection and test procedures. IMP is used for sealing microporosity in metal castings, powder metal parts, electronic components, plastic composites, and other porous substrates. A special advanced technology sealant fixes the leaks and seals the internal porosity.

Anionics Benefits to You: an effective/economic tool that clears out solvent, Loctite system fixes anything that leaks, better process greatly reduces product rejection & scrap.

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WE'RE MOVING
ENERGY
& IT SHOWS!®

Check out our Web site at

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Our Three Basic Products are:

- ⇒ **Electron Beam Welding**
- ⇒ **Dunnage Washing**
- ⇒ **Vacuum Impregnation**

We serve with pride, among others,

- ✓ the aerospace industry
- ✓ automotive industry
- ✓ business-to-business companies

Quality...is part of all we do.

Service...is what we excel at.

Reliability...you can count on.

◆ What can our
Electron Beam Welding
process do for your company?

◆ How can
Vacuum Impregnation
add quality to your products?

◆ How does
Dunnage Washing
add to your bottom line?

LET OUR ANIONICS TEAM
ANSWER THESE
QUESTIONS AND SHARE
WITH YOU HOW
WE CAN HELP YOU
SAVE TIME & MONEY!



DUNNAGE WASHING: THE CLEAN APPROACH TO GOOD QUALITY

As businesses prepare for the 21st Century, our environment is becoming an ever more important issue. One of the most important environmental strides has been the increasing use of the product Reusable Shipping Dunnage.

This type of Dunnage is plastic and comes in many shapes and sizes. It replaces Cardboard, Styrofoam, and many other disposable materials, commonly used, that were hazardous to the environment. Plastic Dunnage commonly used includes dividers, buckhorn totes, full shipping containers, pallets, and top boards for skids. These are the common types but plastic containers can be customized to each individual need.

Although many companies have made the move to Reusable Dunnage and many more will follow, most are missing the one key ingredient to make their new program a *World Class Quality Program*. That key ingredient is a continuous program of Dunnage Washing.

Ask yourself this question, "Would I buy a new diamond ring and then store it in a dirty box?" The answer is "Of course not". Then why would you store your high precision valuable part in a dirty container?

The common answers are pretty simple. The first is that the people who designed the program were concerned about getting top quality products. Their job is probably design or purchasing, not maintenance.

First of all, consider the mess involved in this approach. Secondly, consider the true cost at your companies burden rates.

Thirdly, consider the very environment you just invested money to protect. Where are you washing the contaminants to? What kind of soaps or degreasers are you using?

Most importantly, Dunnage Washing is not your business. That's how we can help. Anionics Incorporated has been in the

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Dunnage Washing business for over eight years. Our process is *automated to make it extremely affordable*. Since we entered the business, we have processed both high and low volume quantities. Our experience has taught us which soaps and rinses are most effective for your type of contamination. Everything we use is safe for the environment.

Let us take care of the "dirty job" for you. Let us join you in *A Clean Approach to Good Quality*. Call or e-mail us today to let our experts give you a FREE Evaluation of your Dunnage Washing needs and recommend the right program for you. *by Donald L. Miller,*

CEO/President, Anionics Incorporated

Anionics moves forward



Anionics Incorporated, in business since 1969, is the oldest company in Oneida County Industrial Park. The business began by welding nuclear warheads in an unused hanger. From this early inception 30 years ago, Anionics has had the reputation of staying on the leading-edge in exceeding customer's needs.

Aerospace certified, Anionics is proud to be one of only two certified EB welders on Parker-Hannifin's list. We're now in the midst of an aggressive program to become 1) an *FAA certified repair station*; and 2) obtain *QS 9000 registration*. We believe this approach is necessary to do business in the 21st Century. We know this is the right approach to be the best supplier for you.

Each account is serviced by a sales team member who stands ready - along with our team at corporate headquarters - to serve you. Contact *our experts* to discover the processes we could add to your business as a valued supplier who *will help you stay competitive into the 21st Century*. We look forward to hearing from you. Thanks for your time.