

Cryogenic systems advances from WEDCO™

For many years, WEDCO™ services has led the way in size reduction of tough, resilient and heat sensitive materials. Our industry-standard cryogenic systems use pre-cooler feeders to apply liquid nitrogen to the material to be ground. With excellent liquid-to-solid contact and a high degree of cooling, the feedstock is embrittled, facilitating quick and efficient grinding.

In order to improve quality and reduce costs for our customers, we are constantly problem solving and upgrading our systems. Our latest cryogenic system innovation dramatically improves finished product quality.

Due to the low temperatures inherent to the cryogenic processing method, moisture in the finished product is a common problem. This moisture often results in sub-optimum operating conditions and problems in packaging the finished product.

Now we have developed an efficient, in-line system that maintains a specified temperature in a controlled atmosphere. As a result, moisture is significantly reduced, producing a measurably more homogeneous product that is consistent from lot to lot. The benefits include:

- Free flowing finished product without lumps or agglomerates
- Organic products safe from the formation of mold or bacteria
- Eliminated risk of materials melting in the grinding process
- A more effective method to introduce additives or dusting agents

Typical markets for our advanced cryogenic systems include:

- Plastics
- Adhesives
- Rubber / Silicones
- Nutraceuticals
- Fibrous materials
- Organic materials
- Chemicals
- Waxes
- Polyurethanes
- Engineering resins
- Other heat-sensitive materials

Contact us at **1 866 TOLLING** for more information about our cryogenic and other specialty particle size reduction systems and services.

ICO Polymers North America:
Route 173, 2 Vliet Farm Rd.
Asbury, New Jersey 08802
Tel: 1.877.777.0877
www.icopolymers.com



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