



Compounding Solutions



For The
Plastics Industry



Who We Are...

We are the nation's leading independent toll compounder of engineering resins, alloys, reactive modifiers, and other thermoplastic materials. We operate two custom compounding facilities, one at Nesquehoning, PA, and the other at Wapakoneta, OH.

Our production facilities provide a full range of product development and processing services. Each is equipped to compound any customer formulation regardless of size, complexity or delivery requirement. Our Nesquehoning plant encompasses over 250,000 square feet of production area, warehousing, and silo storage facilities. Our Wapakoneta facility provides another 230,000 square feet. Both facilities support our customers in the Midwest, South, and along the East Coast.



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Compounding is Our Only Business

At Westchester Plastics, compounding is a full-time commitment, not a sideline. In fact, it is our only business. And, we do it better than anyone else in the business.

Frequently, with today's sophisticated resins, alloys, elastomers, and blends, Westchester Plastics is enlisted into a process design at the earliest developmental stage of a formulation. We welcome the toughest challenge. It affords us the opportunity to apply our extensive knowledge and experience in compounding resins and additives, and finding creative solutions for our customers' needs.

Flexibility is one of the keys to our continuing success. It has helped strengthen our leadership position in the industry. Our production centers are staffed and equipped to provide compounding services for a broad range of customer requirements. Our full-service process design and production team is ready to carry your idea from conception to final product.

Every program starts with our Product Development Group. These skilled engineers, materials handling specialists, and production experts work directly with our customers in developing the compounding process. They take into account the unique requirements of the resin manufacturer and the fabricator, who ultimately works with the material.

What We Do Best

Broad Range of Capabilities

Although Westchester Plastics has more than 50 years of experience, we continually invest in the most up-to-date equipment and keep abreast of the latest industry trends and technology. We have a wide range of capabilities in twin-screw, single-screw, and continuous-mixer technologies. Recently, we installed new Werner & Pfleiderer twin-screw extruders at our Nesquehoning and

Wapakoneta facilities. This expansion provides us with greater flexibility and service capability. It allows us to better meet our customers' needs for high-performance engineering resins, and allows us to meet the increased demand for reactive compounding.

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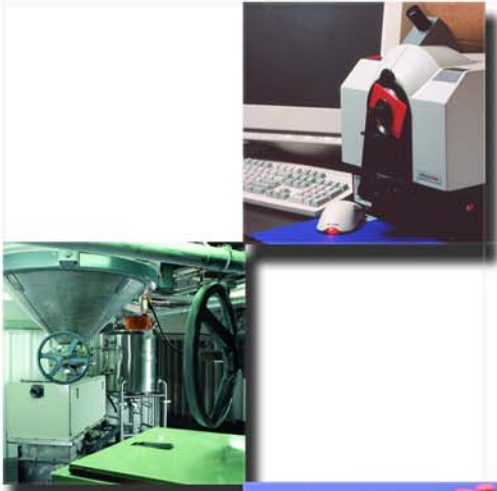




Knowledge of Resins and Engineering Expertise

Each year, we compound several hundred million pounds of thermoplastic resins, including elastomers, polystyrenes, polyolefins, polycarbonates and polyesters, nylons, alloys, blends, and reactive modifiers. All of them require the highest levels of technical excellence.

Skilled Westchester Plastics engineers and materials specialists, working together with our customer's R&D staff, define the objectives and physical properties of a material. Once those parameters have been established, we assist in developing a process that meets those needs.



Our experience includes a number of high-performance compounds:

- *Polymer blends reinforced with glass or carbon fibers to enhance strength, rigidity, dimensional stability and impact resistance*
- *Thermoplastic polymers reinforced with particulate fillers and reactive modifiers for superior strength over base resins*
- *Elastomers that combine superior mechanical properties with toughness, durability and abrasion-resistance*
- *Lubricated thermoplastic and fluoropolymer composites that incorporate special fillers to reduce friction and improve wear resistance*
- *Flame-resistant materials compounded from special polymer resins to improve thermal stability at high temperatures and for resistance to impact and warp*
- *Conductive thermoplastics with special additives for shielding from electromagnetic interference, radio frequency interference, and electrostatic discharge*
- *Color concentrates manufactured to critical visual tolerances for injection molding, blow molding, and extrusion*

What We Do Best

Pre- and Post-Production Processes

Each of our compounding facilities has a full complement of material production equipment that allows us to

customize a process to handle all types of resins, alloys, blends, and other materials. These include ribbon and twin-cone blending, Henschel mixing, ratio feeding, master batching, Reitz milling, and pre-drying facilities.

Many specialty thermoplastics, alloys and blends require additives to enhance their properties and performance. Westchester Plastics is geared to support the requirements for the addition of catalysts, modifiers, fillers, reinforcements, process lubricants, compatibilizers, and color concentrates.



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We utilize sophisticated instruments and controls for consistent product quality. We employ side-feeding extruders to blend additives and reinforcing materials downstream in the molten resin when a compound requires combining additives and other materials within the process stream.

Depending on customer needs, finished pelletized materials can be supplied through strand cutting, underwater cutting, and hot-face cut pelletizing. Our post-processing services help ensure that all final product performs to customer expectations. Pellet classification, post



blending and drying, and the addition of talc or other additives are among the processes we offer to further customize a final product.

We are able to package and ship finished materials in virtually any configuration. We are set up for material handling and shipment via bulk railcar, truck, or ocean containers; heat-sealed liners and bags; boxes, drums, and supersacks. Stretch wrapping and custom labeling also can be provided.

Dedicated to Customer Service

With over fifty years of experience in the plastics industry, Westchester Plastics has a well-established reputation for outstanding customer service. Our goal is to be at the forefront of the toll-compounding industry by offering higher levels of service and performance than any other toll compounder.

We take pride in the levels of trust and confidence that our customers have in us. Because we neither produce nor market our own products, we are able to focus entirely on their needs. We exercise the utmost caution in safeguarding their proprietary formulations. The objective nature of our relationships helps further reinforce customer confidence.

Our main plant and headquarters in Nesquehoning encompass more than a quarter million square feet of production area, warehousing and storage facilities. Our Wapakoneta production center provides an additional 230,000 square feet of process plant area. Both serve customers throughout the Midwest, the South and other parts of the country. Each plant provides a full range of product development and processing services, and is equipped to compound any customer formulation regardless of size, complexity, or delivery requirement. Both have on-site laboratories.

Our facilities are well positioned within easy reach of customers and their markets. They are convenient to major interstate highways and railroads for shipping and handling of bulk materials in all forms. They are designed to ship and receive raw materials, in pellet or powder form by bulk rail and truck, or in conventional packages like bags, boxes, drums, and supersacks. Our plants provide huge indoor, dry warehousing and silo storage for raw materials as well as finished product.

Why Choose Us

Color Specialists

Westchester Plastics has long been a leader in color for the plastics industry. We built our business on our color matching capabilities, high-quality color concentrates, and extensive color library. We take pride in our reputation for delivering resins with distinct, uniform and consistent colors – lot-to-lot or bag-to-bag. Whether it's a standard formulation or a unique proprietary blend, our experienced color specialists work closely with every customer, regardless of size, to match and deliver the colors they need quickly and efficiently.

Quality and Testing are Key to our Business

A commitment to quality is an integral part of our management philosophy. It starts at the top and governs every aspect of our operations. Our facilities are ISO 9002 and A2LA certified.



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Quality programs are key to effective employee communication, education, participation, and feedback. All of our skilled engineers, operators, and supervisors are attuned to identifying potential problems and determining and applying appropriate corrective actions. They continuously explore new means of improving quality and service, and welcome customer quality audits as a means of maintaining the highest standards of quality.

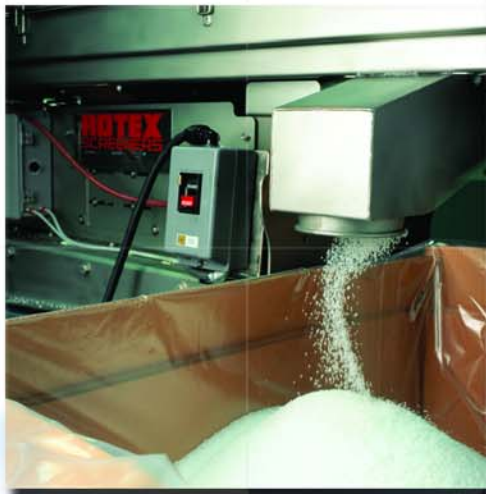


Once specific quality parameters have been defined, SPC procedures are set in motion to ensure the process remains in control through all production phases. Our process design, quality, and production specialists continually monitor SPC data to maintain optimum product purity, and to isolate irregularities before they develop into problems.

Our SPC procedures also serve as valuable troubleshooting tools, helping to alert suppliers to potential quality problems with their process and raw materials. Uniform testing standards, specifications, and equipment help us maintain consistent levels of quality with all formulations regardless of facilities, equipment, or personnel involved.

We work closely with our customers' technical teams in producing pilot scale quantities for evaluation and testing prior to actual production. This allows our customers to get hands-on exposure to prototype product.

We typically compound several hundred pounds of finished product for evaluation and testing using customer's formulations and raw materials. Tests are used to determine chemical, environmental, physical, rheological, and thermal properties. This helps us maintain conformity to customer specifications. In addition, our laboratory-scale injection molding, blow molding, and blown film equipment allow us to qualify finished product in accordance with prescribed standards of functional performance.



21A
ISO 9002
CERTIFIED

Tests we conduct include:

- Flammability testing to UL 94
- Ash content analysis
- Colormetric analysis
- Moisture analysis
- Infrared spectrometry
- Specific gravity
- Deformation temperature under load (DTUL)
- Melt index testing
- Tensile testing
- Elongation testing
- Impact testing
- Carbon content analysis



Consistent and Dependable Delivery Schedules

Although designing a process and running it efficiently are very important to customer satisfaction, our job isn't complete until the finished product is delivered in spec and on schedule.

With the increased emphasis on Just-In-Time and other planning programs, Westchester Plastics has placed great importance in on-time delivery with customers' production schedules. Over the years, our customers have come to rely on our consistent performance in meeting the most critical time requirements.

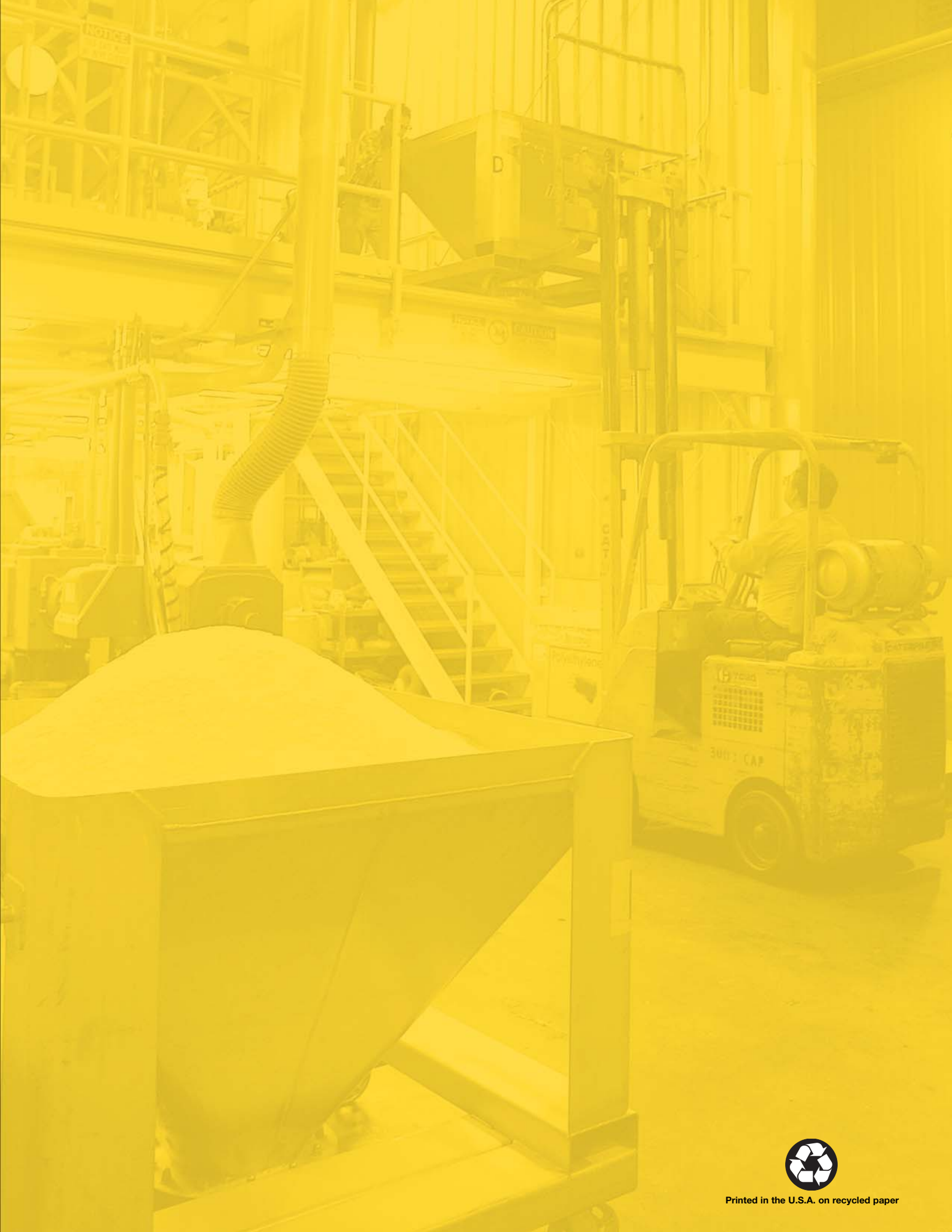
Why Choose Us

Environmental Awareness

Westchester Plastics is an environmentally responsible company and maintains the highest possible standards in and around our plants. We continuously monitor our operations with the goals of reducing waste and environmental emissions, and maximizing material recycling.

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WESTCHESTER PLASTICS

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