



# SHIELDS®

## PERFORMANCE SOLUTIONS



**Shields is one of the leading North American producers of flexible packaging**, with substantial capabilities in blown-film extrusion, printing, bag making and other converting processes. Founded in 1935 in Yakima, WA, Shields combines experience with innovation to create the next generation in packaging.

Shields produces custom flexible packaging for industrial applications, retail and consumer packaged goods. We manufacture more than 100 lines of flexible packaging products and ship our products globally.

At Shields, we know time is valuable. We pride ourselves on dynamic service levels tailored to meet the unique needs of every client. Our team is committed to ensuring precision and consistency in manufacturing your product. With our flexible approach and unwavering attention to detail, you can trust us to deliver excellence with every order. Your complete satisfaction is our highest priority.



## ■ Versatile Solutions for Packaging Challenges

Shields offers over 100 flexible packaging lines, serving diverse industries worldwide. No matter the need, we collaborate closely with you to identify the appropriate packaging solution to solve your challenges.

## ■ Precision, Reliability, Results

Our facilities operate under a unified Novolex framework that ensures efficiency, process-driven accountability, and a culture of excellence. Every Shields team member is committed to delivering top-tier results for our customers.



## ■ Expert Guidance for your Brand

Our dedicated in-house graphics and platemaking division adds value by reducing cost and production time while increasing visual dominance in a competitive marketplace. Whether creating an original design or building upon an existing brand or concept, our team is committed to providing the highest quality print graphics in the industry.

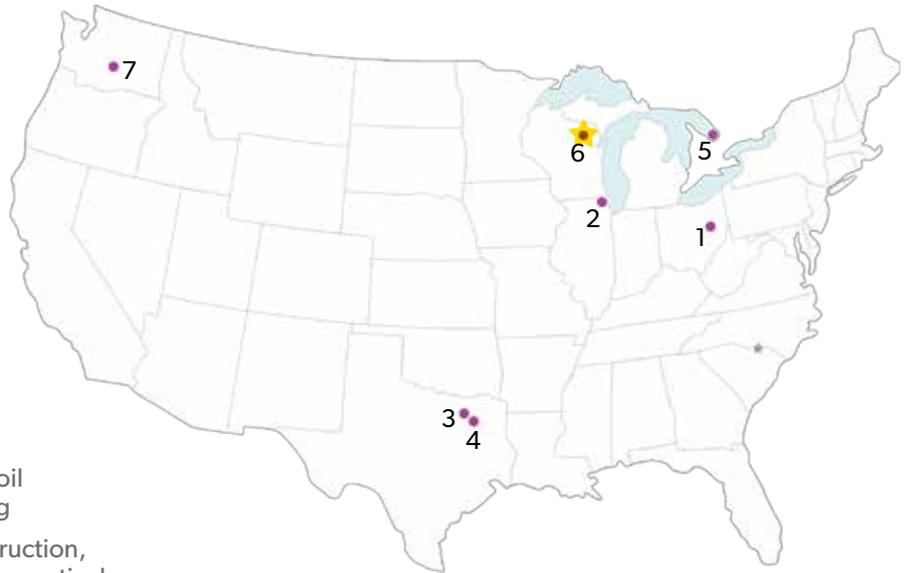


## ■ Technical Expertise, Quality Products

The Shields R&D labs are equipped with state-of-the-art analytical instruments that allow for precise and accurate analysis, testing and formulation. Following strict protocols and procedures to ensure product integrity and reliability, our labs are key to new product development.



## ■ Manufacturing Plants



### 1. Caldwell, OH

- Capabilities: laminated and coated paper/foil and film/ lamination (wet bond only), slitting
- Products include: barrier materials for construction, custom laminated paper/plastic/foil, pharmaceutical packaging, Isolation facers, wax coated papers
- Certifications: SQF Food Safety Code: Manufacture of Food Packaging, ISO 9001, and Forestry Programs

### 2. Chicago, IL (GPP)

- Capabilities: wax coated papers, foil/paper laminations, flexographic and rotogravure printing, slitting and sheeting
- Products include: butter wrap, sandwich wrap, confection twist wrap
- Certifications: SQF Food Safety Code: Manufacture of Food Packaging, and Forestry Programs

### 3. Farmers Branch, TX

- Capabilities: HDPE film, single wound/ center fold sheeting, tubing
- Products include: paint masking films, multi-wall bag liners, industrial films
- Certifications: SQF Food Safety Code: Manufacture of Food Packaging

### 4. Garland, TX

- Capabilities: HDPE film, single wound/center fold sheeting, and tubing, flexographic printing
- Products include: bun film, VFFS, insulation encapsulation, industrial films
- Certifications: SQF Food Safety Code: Manufacture of Food Packaging

### 5. Orangeville, ON

- Capabilities: film extrusion - sheeting, "U" and "J" film, tubing, flexographic printing, solvent-less lamination, slitting, folding, laser venting, bag converting
- Products include: food, frozen, beverage printed shrink bundling, lawn & garden/ horticultural, pet care, barrier films available
- Certifications: SQF Food Safety Code: Manufacture of Food Packaging

### 6. Shawano, WI - Manufacturing

- Capabilities: flat and gusseted bags on a roll or individually cut, centerfold bags, coreless rolls, tubing, sleeves, single wound/double wound/center fold/M-Sheeting/ center slit sheeting, tubing, gusseted tubing
- Products include: poly bags, top sheets, bin liners, gaylord liners, barrel liners, combo liners, pallet covers, furniture bags, mattress bags
- Certifications: SQF Food Safety Code: Manufacture of Food Packaging

### 7. Yakima, WA

- Capabilities: mono-extrusion LLDPE, co-extrusion, film slitting/folding/rewinding, sheeting, shrink film, barrier film, flexographic printing, solvent-less lamination, slitting, folding, laser venting, bag converting
- Products include: custom high barrier films (frozen foods, horticulture, industrial), stretch hood film, mailer and courier bags, security bags
- Certifications: SQF Food Safety Code: Manufacture of Food Packaging

### ★ Shawano, WI - Recycling Center

To assist customers looking for a sustainable solution to their packaging needs, a 100,000 sq. ft state-of-art recycling facility is operated in Shawano, Wisconsin - to sort, shred, wash and pelletize post-consumer film scrap. **This process redirects over 13 million lbs. of post-consumer film scrap from the landfills back into reusable industrial packaging.**





# Choice. Innovation. Sustainability.

**Novolex is a leader in packaging choice, innovation and sustainability.** We manufacture products in paper, poly and sustainable materials for the food, health, industrial and retail markets. Our products offer superior performance, convenience, waste reduction, and support food safety and hygiene for the benefit of millions of people who use our products every day.

**Shields®** has a vested interest in protecting the environment in which we all live, work and play. As a leading manufacturer of blown film packaging we believe that helping to maintain a healthy environment is one of our primary responsibilities. From inception, Shields has been committed to waste reduction, responsible use of energy, and protection of the health of our employees and community. Our goal is to continue to lead the way in terms of sustainability by embracing new technology, fostering supplier relationships, collaborating with local universities, and conducting our business with integrity.



**Learn more about Shields custom film and bag products.**

**Novolex partners with the organizations below to support the circular economy** through use of recycled content, designing for recycling and composting and labeling for consumer education.

