

# Xaloy® Technology Center

Optimize your Process, Performance and Quality with the Product Development and Process Testing Services of Nordson

Nordson laboratories at the Nordson Xaloy facilities are your platform for research and testing opportunities under real live process conditions.

At our fully equipped Xaloy Technology Centers in Hickory, NC and New Castle, PA we support you with comprehensive process analysis for injection molding and extrusion processes as well as with a fully equipped rheology laboratory. Our expert engineers draw on more than 85 years of experience and an unmatched performance history in plastics processing technology and support you in realizing your projects successfully and cost efficient. Whatever your need may be, you can rely on our expertise and our state-of-the-art equipment for your testing needs – fast, reliable and confidential.

## We support your technology with an intense focus on process optimization

- Research and development opportunities
- Process analysis for extrusion and injection molding applications
- Process optimization
- Verification of new processes
- Application support
- Material testing and analysis
- On-site training programs and seminars

## Xaloy Experience and Competence

The Xaloy brand stands for pioneering technologies and highest quality components and systems for the plastics processing industry.

Our technological leadership is based on decades of experience and an unmatched know-how in design, materials and applications to provide you with comprehensive solutions and best-in-class performance of your production lines.



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## Outsource your laboratory tasks!

Carry out your product development and test runs with our state-of-the-art equipment.

### Extrusion Analysis

Our comprehensively equipped extrusion lab offers a variety of process and ancillary equipment to test your extrusion applications under real live conditions.

### Process Equipment

- 3.5" x 30:1 L/D Extruder
- 2.5" Extruder
- 2.0" x 24: 1 Top Flight Extruder

### Accessory Equipment

- Xaloy EH-35 Slide Plate Screen Changer
- Xaloy DBC 300 Continuous Flow Screen Changer
- Xaloy MSDP 183 Melt Pump
- 28" Flex Lip Sheet Die
- 12" x 54" 3 Roll Sheet Stack
- Dual Spindle Winder
- Strand Pelletizer – 2.0in Extruder
- Single Component Additive Feeder – 2.0" Extruder
- BKG WRP12 Water Ring Pelletizer
- Water Chiller
- Conair CD-400 Desiccant Dryer
- Una-Dyn UDC-100 Pellet Dryer
- Conair 3 Component Auto-Weight Gravimetric Blender
- Nordson JCP-1724 Vacuum Oven

### Expert Rheology Analysis

Our rheology laboratory enables our design engineers to test and analyze your materials' rheological properties. The rheological characterization of your materials helps you to determine the optimum molding parameters and materials performance for your molding process.

### Rheology Tests

- Melt Density
- Viscosity
- Moisture Content

### Material Testing Equipment

- Instron Dual Capillary Rheometer
- Dynisco LCR 7001 Rheometer
- Dynisco 4000 Series Melt Flow Indexer
- Omnimark Moisture Analyzer

### Injection Molding

Injection molding process simulation at our technology center gives you the opportunity to test your new process accurately.

### Process Equipment

- 400 Ton Injection Press with the capability of demonstrating the Xaloy Twinshot® technology



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