

Machinery & Equipment List

ECM Plastics provides comprehensive technical and support services from our 130,000 sq.ft. manufacturing facility. Our state-of-the-art equipment ensures each resin is exactly formulated and quality control tested for optimal performance and maximum efficiency.

On-Site Color Lab and Polymer Testing Laboratory Equipment

1" Single-Screw Lab Extruder with Tape Die
Arburg Injection Molding Machines (3)
Avatar 370 FTIR Spectrometer
Differential Scanning Calorimetry (DSC)
Drying Ovens
Dynisco / Kayeness Capillary Rheometer
Hot and Cold Compression Presses
Instron Tensile and Elongation Testing Equipment (T&E)
Izod Impact Equipment
Laboratory Scale Pulverizer
Light Booth with Varying Illuminants
Macbeth Color-Eye 7000A Color Spectrophotometer
Master Unit Die Mold for ASTM Tensile and Izod Impact Specimens
Master Unit Die Mold for Step and Color Chips
Melt-Flow Index Equipment (MFI)
Moisture Analysis
Sample Preparation Mixers
Shore Hardness Testers
Stereo Microscope
Thermal Deflection Analysis
Thermogravimetric Analysis (TGA)

On-Site Polymer Processing Equipment

Twin-Screw Extruders

34MM Leistritz Twin-Screw Extruders (2)
40MM Leistritz Twin-Screw Extruder
40MM Leistritz Twin-Screw Extruder with
Hastelloy for Fluoropolymer Processing
50MM Leistritz Twin-Screw Extruders (3)
60MM Leistritz Twin-Screw Extruder
75MM Leistritz Twin-Screw Extruder

Single-Screw Extruders

1-1/2" Single-Screw Extruder
2-1/2" Single-screw Extruders (2)
4-1/2" Single-Screw Extruder

Blenders

Conical Blenders from Lab Scale
to 12,000 pound Capacities
Ribbon Blender
Henschel Intensive Mixers (2)

Processing Equipment

Conair Desiccant Dryers
Agitated Crystalizing Dryer
Rotary Disc Pulverizing Mills (2)
Strand & Gala Underwater
Cut Pelletizers

Logistics

16-Car Rail Siding
with Inline Blending
200,000 lb. Silos (6)
Full Truck Fleet



ECM Plastics, Inc.
53 Millbrook Street
Worcester, MA 01606 USA
Tel 508-756-0002
Fax 508-792-4968
www.ecmplastics.com