

Expert Color Matching

ECM
Plastics, Inc.

Machinery & Equipment List



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ECM Plastics provides comprehensive technical and support services from our 130,000 sq.ft. manufacturing facility. Our in-house capabilities include state-of-the-art on-site color lab and polymer testing laboratory to ensure each resin is exactly formulated and quality control tested for optimal performance and maximum efficiency. We offer in-house pulverizing and toll compounding services to meet your all your polymer processing needs. Our on-site polymer processing equipment includes twin-screw extruders, single-screw extruders, blenders, pulverizing mills and dryers. ECM Plastics offers 16-car rail siding with inline blending and six 200,000 lb. silos for transporting bulk plastic pellets. We also provide storage and on-site blending at our 48,000 sq.ft. warehouse facility, strategically located 35 miles west of Boston.

ECM Plastics, Inc.
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On-Site Color Lab and Polymer Testing Laboratory Equipment

1" Single-Screw Lab Extruder with Tape Die	Laboratory Scale Pulverizer
Arburg Injection Molding Machines (4)	Light Booth with Varying Illuminants
Avatar 370 FTIR Spectrometer	Macbeth Color-Eye 7000A Color Spectrophotometer
Brabender Torque Rheometer	Master Unit Die Mold for ASTM Tensile and Izod Impact Specimens
Brookfield Viscometer	Master Unit Die Mold for Step and Color Chips
Bulk Density	Melt-Flow Index Equipment (MFI)
Differential Scanning Calorimetry (DSC)	Moisture Analysis
Drying Ovens	Sample Preparation Mixers
Dynisco/Kayeness Capillary Rheometer	Shimadzu UV/IR Spectrophotometer
Foss NIR Systems Model 5000 Spectrometer	Shore Hardness Testers
Haze Meter	Specific Gravity
Hot and Cold Compression Presses	Stereo Microscope
Hunter Lab Colorflex Pellet Color Spectrophotometer	Surface and Volume Electrical Resistivity
Instron Tensile and Elongation Testing Equipment (T&E)	Thermal Deflection Analysis
Izod Impact Equipment	Thermogravimetric Analysis (TGA)

On-Site Polymer Processing Equipment

34MM Leistritz Twin-Screw Extruders (2)	2-1/2" Single-Screw Extruders (2)
40MM Leistritz Twin-Screw Extruder	3-1/2" Single-Screw Extruder
40MM Leistritz Twin-Screw Extruder with Hastelloy for Fluoropolymer Processing	4-1/2" Single-Screw Extruder
50MM Leistritz Twin-Screw Extruders (3)	Conical Blenders from Lab Scale to 12,000 pound Capacities
60MM Leistritz Twin-Screw Extruders (2)	Jacketed, Heated Stainless Paddle Blender, 300°F Max Temperature, 125 cu.ft. Capacity
70MM WP Twin-Screw Extruder	Ribbon Blender
75MM Leistritz Twin-Screw Extruder (2)	Henschel Intensive Mixers (2)
1-1/2" Single-Screw Extruder	

On-Site Processing Equipment

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

Worcester Headquarters

130,000 sq.ft. Manufacturing Facility
16-Car Rail Siding with Inline Blending
200,000 lb. Silos (6)
Full Truck Fleet

Clinton Warehouse

Additional 48,000 sq.ft. Warehouse Facility, Clinton, MA
Rail Service and Clear Heights to 28 ft.
5 miles from I-190, Close Proximity to I-495 and I-290
On-Site Blending



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