

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.

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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
Foss NIR Systems Model 5000 Spectrometer
Haze Meter
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

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

On-Site Processing Equipment

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

Logistics

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



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