



## Facilities & Capabilities

**J&L Plastic Molding is located in Wallingford, Connecticut in a 20,000 square foot facility.**

### **Injection Molding**

24 injection molding machines, ranging from 28-385 tons, shot size .5 - 28 ounces.

385 Ton Milacron-Fanuc Roboshot Electric Injection Molding Machine

Arburg Allrounder 329 C Golden Edition - 55 Ton - *New Purchase*

Milacron-Fanuc Roboshot S-200i 55B – Electric Molding Machine

### **Engineering/Tooling**

Complete In-house moldmaking and mold maintenance capabilities

HAAS SL20 CNC Turning Center

3 HAAS Machining Centers

Charmilles Form 20A EDM

### **Software/Hardware**

ECI JobBOSS2 Enterprise Software

Solidworks 2025 & CAMWorks (Mill, Turning & Wire)

Dell Precision Workstations

### **Quality: ISO 13485:2016 Certified**

Fully capable inspection facilities

Documented Quality Manual and Inspection procedures

Micro-Vu Vector 6x6 automated video measuring systems

Keyence LMX-X Multisensor Measurement System

Inspec Metrology software, and Quality America SPC-pc IV Statistics software.

### **Printing**

Comec InkPrint 50 PN 2 Color Pad Printer & additional Pad Printers

**368 North Cherry Street Extension Wallingford, Connecticut 06492**

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## **MATERIALS:**

J&L Plastic Molding specializes in processing highly engineered injection molding materials with high performing mechanical and thermal properties. We have vast experience with these engineered materials:

### **PEI – Polyetherimide**

PEI offers elevated thermal resistance, high strength and stiffness, and broad chemical resistance. It is available in transparent and opaque custom colors. PEI is dimensionally stable over a wide temperature range. It is inherently flame retardant.

### **PEEK – Polyetheretherketone**

PEEK is resistant to harsh chemicals with high strength, stiffness and long-term creep properties in demanding conditions. PEEK offers low moisture absorption and high wear resistance. It will perform at high temperatures and offers consistent properties across a range of frequencies.

### **PPS – Polyphenylene Sulfide**

PPS offers thermal stability and resistance at elevated temperatures. PPS maintains dimensional stability in a harsh chemical environment. It is inherently flame retardant. Dielectric and insulating properties are stable over a wide range of conditions.

### **PPSU – Polyphenylsulfone**

PPSU offers excellent impact and chemical resistance. The high heat resistance and excellent hydrolytic stability of PPSU make it an excellent choice for medical devices requiring repeated steam sterilization. PPSU can withstand more than 1,000 cycles of steam sterilization with significant loss of properties.

### **PC – Polycarbonate**

PC offers outstanding mechanical, clarity, electrical and thermal properties. PC allows for design versatility. Different options include scratch resistance, toughness, heat resistance, weatherability, biocompatibility and compliance with FDA and USP requirements. Additives allow PC to be flame retardant.

### **ABS – Acrylonitrile Butadiene Styrene**

ABS is a versatile material offering outstanding aesthetics, flow, toughness, dimensional stability, and high temperature resistance. A wide array of ABS grades offer high heat and medical compatibility. There are flame retardant options meeting regulatory standards.

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