

INJECTION LAB VALIDATION SERVICES

Injection applications can be challenging and uncertain. Our R&D laboratory and testing facility is available for both customer and material supplier trials. Our extensive operation and experienced staff are well equipped to help you find the answers you've been looking for. Contact us today to unlock your operations full potential.

KEY BENEFITS

MATERIAL UNDERSTANDING

- Identify and evaluate a range of material combination characteristics.
- Utilizes standard scientific approaches.
- Obtain product analysis.

PROCESSING EXPERTISE

- Evaluate a range of process variables.
- Create resin specifications.
- Obtain processing recommendations.

PART DESIGN KNOWLEDGE

- Evaluate materials against your part design.
- Identify areas of concern.
- Obtain recommendations for improvement.

INJECTION CAPABILITIES

- Investigate light weighting opportunities.
- Evaluate end product quality.
- Shorten development cycle.
- Save development costs.



our **COMMITMENT**

Our hot runner systems are so robust and reliable, they're backed by our industry leading warranty. And behind that warranty, you'll find the industries most comprehensive global support network of experienced and dedicated professionals offering help whenever you need it. Put Mold-Masters behind your business!

INJECTION MOLDING EQUIPMENT

- 300 ton, 126 cm³ Shot Size.
- 180 ton, 176 cm³ Shot Size.
- 160 ton, 123 cm³ Shot Size.
- 150 ton, 58 cm³ Shot Size.
- 100 ton 50 cm³ Shot Size.
- A variety of molds.

AVAILABLE TESTS INCLUDE:

RESIN PERFORMANCE ANALYSIS

- Flow Characteristics (effective viscosity and shear plots).
- Simulation (FEA) vs. Real Results Comparison.
- Pressure Drop Evaluation.

RESIN SPECIFICATIONS

- Resin Temperature.
- Injection Pressure.
- Mold and Barrel Temperature.
- Moisture percentage.

AND MORE AVAILABLE UPON REQUEST.

**OUR INJECTION
MOLDING TEAM HAS A
COMBINED 65+ YEARS
OF EXPERIENCE!**

CONTACT:

DEVELOPMENT LAB

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SERVICES INCLUDE:

- Spare Parts
- Service and Repair
- Preventative Maintenance
- Refurbishment
- Training Academy
- Development Lab

