

FAST FACTS

JAC SALINE MOLDING For High Quality Injected Molded Products

Strategic Advantages

Saline Molding is organized for, and dedicated to, "Lean Manufacturing", that allows us flexibility to meet our customers' requirements for on-time delivery of high quality injection molded products.

Production Capabilities

As a state-of-the-art, QS9000 and ISO14001 certified injection-molding facility, Saline Molding provides a depth and range of in-house production capabilities. We provide our customers with reliable injection-molding and light-assembly services.

- 180,000 sq. ft. manufacturing facility
- 50 injection molding presses ranging from 55 ton to 1,500 ton
- 21 Yushin Robots used to support automated production
- In-cycle assembly capabilities
- Materials: engineered resins, polycarbonates, acetyl, ABS, TPO, polypropylene, polyester, PVC, Nylon 6
- Dedicated launch teams
- In-house tool room repair with full machining capabilities
- State-of-the-art central material handling system, integrating resin silos, drying cells and material hoppers
- 900-ton closed-loop cooling system
- Integrated regrind processing with an environmentally correct air-management system

Production Process

Saline Molding's lean production process is supported by error proofing techniques and state-of-the-art testing and measuring equipment.

- Full design, engineering and testing support, located at JAC's Madison Heights Technical Center
- Electronic data interchange with all OEM CAD systems
- Implementation of Lean Manufacturing principles – kan-bans, visual inventory, standardized work, quick-die change
- Validation test capabilities at JAC Saline and Madison Heights
- Automated injection molding presses
- Error-proofed assembly fixtures
- Light assembly as required

Quality Program

At Saline Molding, our quality procedures support our commitment to quality excellence.

- Integrated SPC program
- Continuous improvement initiatives
- Design FMEA, Process PFMEA and Control Plan development
- Advance Product Quality Planning (APQP) techniques
- Production Part Approval Process (PPAP)
- Lot traceability
- Short and long term capability analysis
- Measurement system analysis (gage R&R) capabilities
- On-line JAC Products 8D problem solving tracking and resolution – shared with all JAC locations

Material Certification

QS9000-certified dimensional and material testing labs assure that our parts meet your specifications.

- **Corporate Material Testing Lab – Saline Molding**
This 1,200 square foot Material Testing Lab is certified to the latest QS9000 standard.

The lab maintains the following major equipment:

- Two salt spray chambers
- CAS/humidity chamber
- QUV accelerated weathering
- Instron electromechanical testing
- Film hardness testing
- Elcometer ultrasonic thickness testing
- Gravelometer testing
- X-Rite spectrophotometer
- Walk-in Mac Beth color room
- Online access to customer specifications

- **Corporate Dimensional Measurement Lab –Saline Molding**

Our 1,500 square foot temperature and humidity controlled Dimensional Lab is certified to the latest QS9000 standard and is responsible for tool and fixture certification, prototype and production part qualification, reverse engineering and surface scanning.

Our lab makes use of the latest measurement technology including:

- Zeiss Carmet DCC machine
- Elm large plate CMM
- Jones & Lamson 10X optical comparator
- Variety of hand measuring equipment

In addition to our Corporate Dimensional Lab, the JAC/Franklin location maintains a satellite lab that includes a "state of the art" Zeiss DCC.

Customer Quality Ratings

Saline Molding maintains its high customer quality ratings. QS9000 certification and ISO9001 validates Saline's commitment to meet our customers' performance expectations. Saline's robust systems allow continuous improvement to meet our customers' changing needs.

- QS9000 certified
- CAMI - President's award for quality, customer service, cost and leadership
- ISO9001 & ISO14001 certified
- NUMMI - excellence award for quality and delivery
- TS16949 certification due 9/03
- Subaru of America - Supplier Excellence Award

JAC PRODUCTS SALINE MOLDING

225 South Industrial Drive
Saline, MI 48176

Phone (734) 944-8844

www.jacproducts.com