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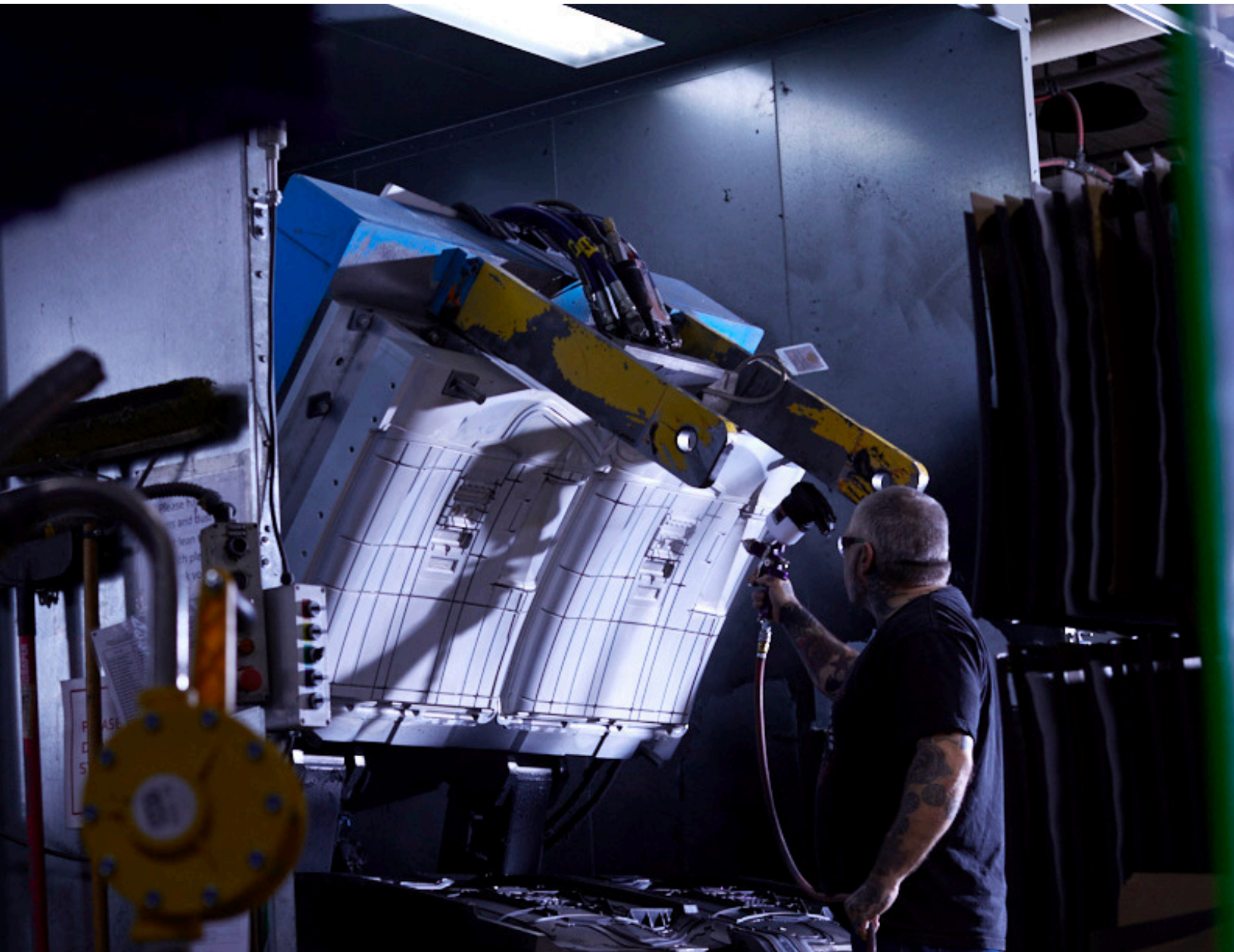
Reaction Injection Molding

Durable, Customizable, and Cost-Effective Production

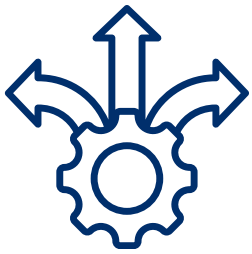


REACTION INJECTION MOLDING

Our process allows for in-mold and post-mold coatings, varying thicknesses, and seamless attachment features. Ideal for larger, low-volume applications, RIM offers superior strength, impact resistance, and decorative finishes for fully customizable solutions.

Extensive Design Flexibility

RIM provides exceptional design flexibility, enabling complex shapes, varying thicknesses, and seamless integration of inserts and coatings.



Lightweight & High Strength

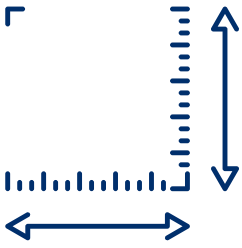
Its unique material properties provide structural integrity without added weight, making it ideal for demanding applications across various industries.

Cost-Effective Tooling

Lower mold costs and faster production cycles provide affordable, high-quality solutions without sacrificing design complexity or durability.

Small & Large Part Capability

Its process accommodates intricate details and large, durable components, making it ideal for diverse industry needs.



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KEY PROCESSES

We specialize in four key RIM processes, Structural Rigid, Microcellular Urethane (MCU), Integral Skin, and Low-Density—designed for durability, flexibility, and cost-effective production.

- **Structural Rigid RIM -** Produces high-strength, durable parts with excellent impact resistance and dimensional stability. Ideal for load-bearing applications.

- **Microcellular Urethane (MCU) RIM** - Features a lightweight, high-strength foam structure with fine, uniform cell formation. Great for energy absorption and cushioning applications.

- **Integral Skin RIM -** Creates a tough, flexible outer skin with a soft interior, commonly used for applications like armrests, dashboards, and protective covers.

- **Low-Density RIM -** Produces lightweight, highly flexible parts with excellent thermal and acoustic insulation properties, often used in automotive and industrial applications.

Each process offers unique material properties to meet specific design, durability, and performance requirements.

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