

The logo for KAYSUN, featuring the word "KAYSUN" in a bold, white, sans-serif font. The letters are closely spaced and have a slight shadow effect. The background is a dark blue-tinted photograph of a factory floor with a worker in the background.

KAYSUN

INJECTION MOLDING & ENGINEERING SOLUTIONS



5 Questions OEMs Must Ask
BEFORE PARTNERING WITH A
CUSTOM INJECTION MOLDER



As technologies and efficiencies progress, injection molding is an increasingly popular solution for OEMs in a variety of industries. The OEM-injection molder relationship is integral to every aspect of production, making it a value-add across projects and time.

However, striking a balance between needs and injection molder capabilities can challenge OEMs. Tenuous partnerships are sometimes formed only to prove disappointing, leaving the OEM to shuffle suppliers and pursue a new injection molder.

You may currently find yourself in this position, or perhaps the global pandemic has you looking to diversify your supply chain. Maybe you've determined to [reshore major projects](#). **The reason behind why you're in-between molders is secondary to what happens before you enter another partnership.**

Now is the time to ask the key questions provided in this guide. The answers will help you objectively compare and qualify potential suppliers, and ultimately guide the selection of your next custom injection molding partner.

1. Does the injection molder have experience in your industry?



When considering which full-service injection molding partner is right for you, it's important to know whether the supplier specializes in your industry, but it's also critical to ensure the company has a diversified customer base and experience in more than one vertical.

The partner should also demonstrate design and engineering expertise and be on the leading edge of technology advances, material selection and applications to ensure timely solutions and results that are consistently and reliably replicated.



2. What types of certifications and accreditations does the injection molder hold?



Injection molders worth considering for inclusion in your supply chain must combine practical experience with industry-specific certifications and accreditations. Why? Injection molders that hold these credentials give OEMs an additional level of assurance of top-quality parts and processes that are in compliance with market mandates.

Generally, the four most sought-after certifications and accreditations for custom injection molders are:



- [IATF 16949:2016](#) verifying adherence to the global technical quality management system standards for the automotive industry
- [ISO 13485:2016](#) demonstrating the ability to provide quality medical devices and related services that consistently meet customer and regulatory requirements
- [MedAccred Plastics Accreditation](#) is held by very few injection molders, with Kaysun being one. MedAccred accreditation signals a molder that leans

into efficiencies and exceeds the highest expectations for injection-molded medical components and devices. Further, accomplishing these goals within the medical market shows that molders understand and can translate the production practices into part development for other industries

- International Traffic in Arms Regulations ([ITAR](#)) certification ensuring U.S. government validation of the companies and safety steps involved with certain military-related manufacturing and applications



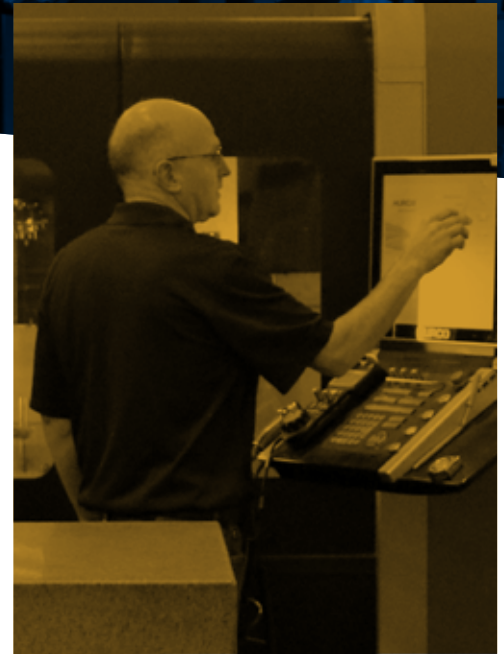
3. What level of engineering support does the injection molder provide?



Engineering services that fully support product development – including design, testing, manufacturing, and assembly – are critical for success.

Injection molders up for consideration should offer a full range of support, including:

- [Design for Manufacturability \(DfM\)](#) and related technical expertise that aligns engineering and production in the design phase, ensuring cost and time efficiencies, superior quality, regulatory compliance, and end-user satisfaction. Problems are identified and addressed early in the product development process, preventing costly issues that could impact manufacturability: raw materials selection, tolerances, and secondary processing
- [Plastics selection support](#) that aligns your applications with materials that optimize quality, performance, and cost
- [Metal-to-plastic conversion](#) experience that consistently addresses emerging lightweighting, zero-corrosion, and cost reduction initiatives
- [In-house tooling/tooling maintenance capabilities](#) that aid in engineering fine-tuning and adjustments, solutions collaboration among teams, and eliminating dependence on outside tool shops for corrections that might otherwise cause delays
- [Value-added services](#) (secondary operations), including assembly, that streamline cost and time efficiencies across the full life cycle of the injection-molded part



4. Can the injection molder accommodate your required production quantities and lead times?



While there are advantages to working with both small and large injection molders, the reality is that either side of that equation carries detriments. For example, a small molder may not have broad customer and market diversification, and a large molder could simply be too backlogged to remain responsive.

Similarly, there's also the matter of potential part size limitations. Some injection molders – large or small – are simply not equipped to produce outsized parts.

Finding the “right-size” injection molder is the key. What, exactly, is a right-size injection molder? One that takes a holistic approach to a given project. Instead of focusing solely on outcome, the partnership is built on diverse capabilities balanced with enough experience to anticipate and respond to your needs quickly.

5. Is the injection molder practiced in supply chain resilience?



As evidenced by the global pandemic, threats to your supply chain can and do unexpectedly occur — and your suppliers need to be ready to respond. Likewise, calculated changes happen as OEMs embrace reshoring, also requiring suppliers to pivot. A routine part of OEM risk management strategies, supply chain resilience is only successful if the suppliers within the chain are able to provide it. Prospective injection molding partners need to have demonstrated experience.

“GOOD ENOUGH” IS RARELY GOOD OR ENOUGH

Occasionally OEMs are reluctant to switch injection molders for any number of reasons. The decision always remains with the OEM, but choosing to accept a “good enough” partnership can be risky.

Working with an incompatible injection molder can negatively impact:

- [On-Time Delivery \(OTD\)](#) and consequently slow time to market
- High-volume production commitments
- Quality control, leading to part defects and costly rework



As you consider options for injection molders and how a new partnership may strengthen your supply chain, we encourage you to vet Kaysun. We're happy to answer any questions, schedule a facility tour, and provide any other information you need to make a confident decision.

[Contact Us today!](#)

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