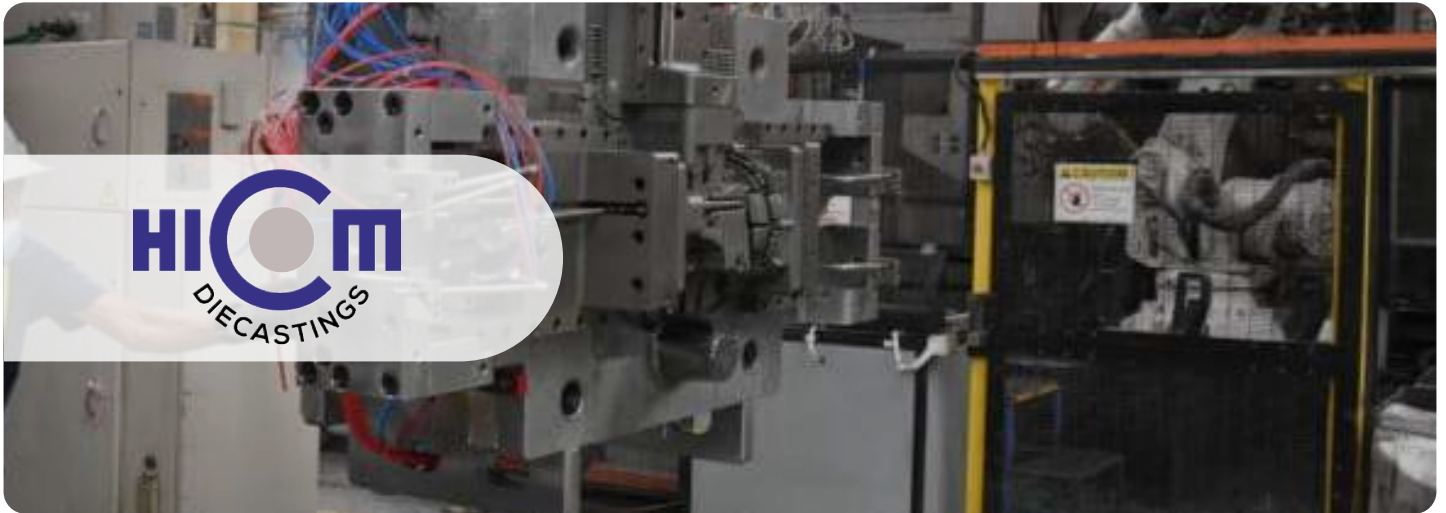


The Power of Integration: How HICOM Diecasting Reduced Costs and Boosted Efficiency



Company Background

For over three decades, HICOM Diecasting Sdn. Bhd. has been a trusted name in die-casting solutions. Incorporated in 1985 and wholly owned by HICOM Engineering Sdn. Bhd., a subsidiary of DRB-HICOM. HICOM Diecasting Sdn. Bhd. offers clients a cutting-edge combination of technology, technical know-how and a highly-skilled workforce, establishing itself as a leading die casting provider in the region. The company focuses on its core competencies to continuously evolve and shape its vision, driving the industry's future.



Challenges

Building on Strong Fundamentals

The team is well-versed in the fundamental functions of their software, giving them a solid foundation in design. With this expertise in place, they are now eager to explore more advanced tools and integrated solutions unlocking greater innovation, independence in design preparation, and a faster workflow from concept to production.

Accuracy and Quality Concerns

Without stronger digital tools, ensuring design accuracy and consistent die-casting quality was a challenge. Small design errors could lead to production issues, higher rejection rates, and missed opportunities to optimise the process.

Dependence on External Suppliers

For certain advanced and critical design work, the company engaged external suppliers to support project delivery. While this approach provided access to specialised expertise, it also introduced time constraints that occasionally affected project timelines and efficiency.

Enhanced Turnaround & Stronger Credibility

With the adoption of an integrated CAD-CAM workflow, the company is positioned to respond to urgent or ad-hoc projects more quickly and efficiently. This improvement not only increases productivity but also strengthens agility in meeting client needs, further reinforcing their reputation for reliability.

Solution with IME

With IME's support, HICOM Diecasting adopted a fully integrated CAD-CAM solution that transformed the way the engineering team works from design to production. This new ecosystem reduced reliance on external suppliers, empowered in-house expertise, and delivered measurable business value.

An Integrated Workflow from Design to Manufacturing

The company now operates on a complete digital toolset. **SOLIDWORKS Premium** enables advanced 3D modelling and validation, while **SOLIDWORKS Inspection** automates quality checks and **DraftSight** supports 2D drawing needs. Together with **CAMWorks** and **Mastercam**, the team can seamlessly transition from CAD to CAM, allowing faster prototyping, improved accuracy, and stronger quality control. This integration eliminates bottlenecks and prevents costly defects early in the process.

Empowering the Engineering Team

The shift to in-house design and validation has significantly boosted team productivity. Engineers now tackle challenges with greater autonomy, reduce lead times, and contribute more directly to project outcomes. This empowerment has also lifted morale, giving the team confidence and pride in owning the design process rather than relying on external suppliers.

Driving Tangible Business Results

The transformation has delivered clear financial and strategic benefits. By reducing supplier dependency, HICOM Diecasting achieved an impressive 64% cost saving in the die-casting department.



In Malaysia, there are many software suppliers to choose from, but with IME, I found everything I was looking for in a partner. Working with IME means having their full support, along with the knowledge and software expertise to back us up. My team and I are truly happy to work with IME.

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