

Customer Success - Bernard Mould

When it comes to the “impossible” job, Bernard Mould has built a reputation as the go-to moldmaker for complex and innovative designs. The company, founded in 1969, has become a key supplier to top-tier automotive manufacturers in the US and abroad, as well as many brand name product companies developing sports equipment, electronics, lighting fixtures and specialty products. This Windsor, Ontario based mold designer offers its customers a precious advantage ... time.

“Competition in the automotive industry is fierce and growing tougher by the day,” says Ed Bernard, president of Bernard Mould. “Our job is to help customers gain a competitive advantage. We can do that by combining our expertise in mold design with the ability to quickly understand the design requirements and deliver results faster than expected using KeyCreator.”

As a contract manufacturer, Bernard Mould is approached by a large number of firms with designs that often look good but have flaws. These flaws, described as manufacturability challenges to surface modeling difficulties, offer Bernard Mould a unique opportunity to excel. The company relies on the flexibility of KeyCreator to import non-native CAD files, rework surface points, complete designs and develop necessary toolpaths for downstream manufacturing.

Tight production schedules and pressure to reduce cost are common among the projects Bernard Mould takes on. When a subsidiary of Tesma International, the worldwide engine transmission and fuel systems company, had an opportunity to develop a new hot water crossover valve for a Japanese automotive supplier, the company turned to Bernard Mould to design the part. The original part was sand cast aluminum, which had become too expensive to make. A new approach was needed. The Bernard Mould team managed to deliver a class A prototype of the part, including seven mechanisms – two of which were sequenced – within two weeks.

“KeyCreator not only enabled us to design the crossover valve very fast, but we formed the part for a more efficient machining process.” explains Bernard, “Impossible, you may say. At Bernard Mould, KeyCreator helps us accomplish the impossible every day.”



When it comes to the “impossible” job, Learn more about new projects at Bernard Mould by visiting www.bernard-mould.com.