

Marland Mold Inc

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Robert Shook, Engineering/Programming

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Industry Food and beverage, personal care and cosmetics, medical and pharmaceutical, and household and industrial

Location Pittsfield, USA

Website www.marlandmold.com



Marland Mold was founded some sixty years ago in a garage by two former General Electric moldmakers. Since that time, the company has become an industry leader with customers from around the world, especially in the food and beverage field.

When deciding to upgrade its software, Marland Mold had strict requirements for functionality, ease of use and powerful data transfer capabilities to facilitate communication between Marland and its customers. “Above all”, says John Nykorchuk, senior NC programmer, “we needed a vendor that would provide strong customer support and partner with us the way we partner with our customers.”

CimatronE was Marland’s solution of choice. According to Robert Shook from the company’s engineering/programming department, “The people at Cimatron convey a strong understanding of our challenges and needs; they are very aware that our downtime means money – not only in the sense of losing productivity, but also how it reflects on meeting delivery times to customers.”



The Challenges

- Competing effectively against overseas mold shops by offering short delivery times, competitive prices, and a high quality product
- Producing complex molds, particularly for the creation of small, elaborate caps made of thin plastic for the food industry
- Ensuring that molds are long-lasting, have very tight tolerances, and contain interchangeable components, given that they will be in use by Marland’s customers 24 hours a day, 7 days a week
- Successfully importing customer data from different formats, with the ability to easily repair or amend designs, especially given the company often handles webbed, blended, mixtures of round-to-square and other uncommon shapes

The Solutions

CimatronE’s NC, 5-Axis

The Results

- Consistent, durable and high quality molds as a result of CimatronE’s functionality, which offers a high level of precision in mold production
- Cost and time efficiencies, as well as the production of complex molds, through the use of CimatronE’s 5-Axis. This solution eliminates the need for multiple electrodes for complex molds and enhances cooling and cycle times. Simulations also ensure that 5-Axis machines can be run unattended.
- Additional time savings from the re-use of toolpath calculations and the post-processing abilities of CimatronE, ensuring that Marland’s three different CNCs can work from the same solid model
- The effective transfer of data from customers via powerful import mechanisms, and the identification and repair of any design errors

For more information, please visit www.CimatronE.com