

Case Study: A Custom Solution for Saving Time, Money, and Improving Products

Introduction:

Imagine developing a groundbreaking device and the demand for this technology grows unexpected quick! Now grows another challenge, a bottle-neck due to a manual process. How to provide equal or better solution—ensuring growth doesn't come at the expense of quality or profitability.

Background:

The customer developed an innovative precision measurement tool tailored for use in outdoor construction environments. Designed for simplicity, the device can be operated by a single user and eliminates the need for complex calculations. It offers a faster, more user-friendly alternative to traditional laser-based methods and includes advanced features such as image-based data collection and 3D mapping capabilities. These functions enable users to generate terrain and volume data directly from images and seamlessly integrate site measurements into digital design workflows.

Client Need:

For their precision equipment, they chose to protect it with Multicomp Pro's tactile weatherproof cases. The hard polypropylene exterior shielded their equipment from external elements, while the built-in O-ring seal prevented moisture and water damage. Inside, the high-density polymer foam was customized to provide advanced shock protection. However, over time as their sales grew, the effort to manually customize each case became very labor-intensive.

Our Solution:

Upon learning of the customers' challenge, Multicomp Pro consulted with their custom components solutions team and suggested a possible resolution: laser-cut inserts. Recognizing the potential benefits and competitive pricing, they opted for the tailored solution.

Results:

The customized hardshell cases have significantly improved product protection, ensuring the contents remain secure and undamaged. By eliminating the need for cutting or plucking foam inserts, we have helped the customer avoid additional labor costs. Moreover, the end-user receives a polished, professional product, enhancing customer confidence and satisfaction.

How Multicomp Pro's custom components can help your product offering:

Multicomp Pro's personal approach underscores our expertise in customization, showcasing our ability to help customers *save time, reduce costs, and improve their offerings*. Additionally, Multicomp Pro's Customization Services extend beyond just laser-cut inserts to include:

- Connectivity Solutions (e.g., specific length or connector options for cable assemblies)
- PCBA and Design
- Custom Color Connectors and Cables
- Obsolete Components
- Custom Enclosures

Learn More: <https://www.newark.com/custom-components>