



Customer : **Manufacturer of specialized equipment**
 Product group : Rubber Technology
 Market : **Other industries (consumer products / military)**
 Application : **Rubber to metal bonded parts**

ERIKS KEEPS THINGS AIRTIGHT

ERIKS improves design for critical component of emergency breathing system



CHALLENGE

The customer, one of the world's top manufacturers of underwater breathing systems and specialized equipment for military use, has been working with the ERIKS team on existing and new products for over a decade. Due to the high-level of support and trust built over this time, it's no wonder that when their military division decided to move manufacturing of a critical component in-house, their first call was to ERIKS. The part they wanted to move was a critical component in a specialized emergency breathing system. Emergency breathing systems can mean the difference between life and death, so this project required knowledge, experience and teamwork to make the transition possible.

SOLUTION

The team from ERIKS understood that this specialized rubber to metal bonded part was a critical piece of the overall assembly, requiring airtightness at 35psi and had to be free of any imperfections under 4x magnification. Taking all the requirements of the project into consideration, ERIKS assembled a team of application specialists and experienced engineers from the ERIKS Technology

Centre. Although specifics of this application are classified, what we can say is the ERIKS team worked closely with the customer to not just replace the part, but recommended an improved material and helped improve the design making it more mouldable.

OTHER BENEFITS

- Innovation

FURTHER COMMENTS

The customer was thrilled with the solution that ERIKS proposed and without hesitation made the decision to move forward with their plans to move the manufacturing of this critical component in-house.

During the move, the customer was able to rely on the knowledge and experience of the team from ERIKS to help make the complex transition as seamless as possible. At the completion of the transition, the customer was pleased that they were receiving a solution that included superior materials and an improved design. In addition, ERIKS was able to custom match the colour of the new parts to match the rubber of their current product, making it a smooth conversion for their end customers.