



A VISIONARY IN VACUUM TECHNOLOGY



"We are very impressed with SolidCAD. Their performance is always the best. Their people are enjoyable to work with and we have made recommendations to other companies regarding their expertise. They are always prompt and professional."

Bill Vanyken
Designer
Presvac Systems Ltd.

presvac.com

IMPROVING ELECTRICAL EFFICIENCY

EXECUTIVE SUMMARY

Presvac Systems Ltd - a designer of great ingenuity - has maintained its position as a world leader in vacuum technology for over 30 years, and is recognized for the quality and reliability of its products. Its commitment to the brand never falters, constantly challenging itself with cutting-edge technology, and effectively pushing the performance envelope in everything it builds.

THE CHALLENGE

Presvac had been using AutoCAD for a number of years already and understood the benefits of solid modeling. Before moving to Inventor, its team attempted to implement Mechanical desktop, but found that the software could not handle the complex geometry required, making it a tedious endeavor to constrain models with multi-curved surfaces.

THE SOLUTION

Presvac Systems selected Inventor Series with Ansys DesignSpace FEA Simulation Software, backed by SolidCAD's implementation, training and mentoring services. Presvac quickly realized a drastic improvement to its design process within the first year, with higher productivity and increased communication between Engineering and the Shop Floor. Inventor now handles 100% of its design needs and has allowed the team to create digital prototypes to validate designs before building a physical prototype.

THE RESULTS

- The Engineering team was able to provide the shop with fully rendered 3D model drawings to help illustrate the assembly process. This simplified and improved communications to the shop floor, while reducing manufacturing errors.
- Presvac can now provide customers with 3D DWF files of 3-dimensional work-in-progress for increased collaboration and feedback.

RESOURCES UTILIZED

AUTODESK AUTOCAD
AUTODESK INVENTOR
IMPLEMENTATION
CONSULTING
CUSTOM TRAINING
ONGOING MENTORSHIP
SOLIDASSIST TECHNICAL
SUPPORT

