Wichita State University





## **About**

Wichita State University's ATLAS lab has developed innovative thermoplastic window plugs that are 20% lighter than traditional metal versions, while maintaining the same strength and reliability. These plugs can be produced quickly through injection molding, significantly improving manufacturing efficiency for aerospace applications.







## **Market Opportunity**

The use of injection over molding enhances the efficiency and quality of developing articles for use in industries such as aerospace. The window plug uses state of the art technologies to enhance the transformation of passenger aircrafts to be used for a plurality of different applications.

The present invention is lighter, faster to develop, and more cost efficient. It enables the use of less energy in transportation with the lighter weight and enhanced production on a large scale.

The market opportunity extends to an expected growth of \$460 billion by 2032 for injection molded plastics. Such significant market growth further highlights the importance of process in part development.

## Potential Applications

The window plug may be used in aeroapce for a plurality of applications including but not limited to:

- Development of Cargo Aircraft
- Military Applications
- Special Operations

## Contact

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