

ZAPP TOOLING ALLOYS, INC.  
Z-MAX PM® CASE STUDY  
MOUNTING CUP FORMING TOOL

ZAPP

**TOOL TYPE**

Forming Tool in Progressive Die for Aerosol Mounting Cup

**WORK MATERIAL**

Epoxy Coated Tin Plate .018"(.46mm) thickness

**PROBLEM IDENTIFICATION**

Forming tool was performing well with Z-A10 PM (10V) material. Failure mode was always wear with the best production of 50,000 parts before resharpening. Although the customer was satisfied with tooling performance, they wanted to try for further tooling improvements.

**SOLUTION**

Z-Max PM at Rc 67-69

**RESULTS**

Z-Max PM produced in excess of 300,000 parts before resharpening. In a high production environment, Z-Max PM outperformed previous materials by 6 times with significant reduction in downtime.

Z-Max PM® is a registered trademark of Zapp Tooling Alloys



**TOOLING ALLOYS**

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Further information regarding our products and locations are available in our image brochure and under [www.zapp.com](http://www.zapp.com)

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