



# Press Release

## American Trim, The Ohio State University and General Motors Complete the Requirements for the First Fuel Cell Grant

*American Trim demonstrates the forming of a fuel cell bipolar plate utilizing electromagnetic forming technology*

### Lima, Ohio – April 30, 2009

Today, American Trim, Ohio State University and General Motors demonstrated, in real time, the actual production of a fuel cell bipolar plate before a group of collaborators and media at American Trim's Research and Development Facility in Lima, Ohio. The production of the bipolar plate

represents another success for the Lima, Ohio based company in demonstrating that it is putting the State's Third Frontier Grant monies to productive use. This work supports the second Grant which assembles the plates into a functional fuel cell.



"This team has reached a significant milestone that could be a catalyst in bringing alternative fuel vehicles to the buying public. We have demonstrated the very real possibility that we can produce fuel cell bipolar plates for a fraction of what they currently cost. *A fraction.*" said Rick Pfeifer, Vice President and Chief Technology Officer at American Trim.

Mayor David Berger was on hand for the presentation and said "Rewards go to those

who innovate and break thru despite economic restraints. What this team has accomplished is a big win for Northwest Ohio and Lima in particular as we build on our strategy of transforming manufacturing in the State."

Also on hand for the event were:

- Dr. Glenn Daehn a Professor at OSU and recognized expert within the electromagnetic forming technologies.
- Dr. Mike Martin the VP of Fuel Cell Technology at EMTEC
- Pat Valente the Director of the Ohio Fuel Cell Coalition

### About High Velocity Metal Forming

High Velocity Metal Forming (HVMF) is a method of metal forming where the sheet metal to be formed is accelerated to 300 meters per second into a die, and thereby forms the part. It is an exciting breakthrough in metal forming technology which could add more precision to the metal forming process, increase processing speed and reduce cost in terms of equipment and processing.

### About American Trim

American Trim was founded in 1951 and specializes in the forming, decorating, and coating of metal and composite substrates. These core competencies are supported and enhanced by American Trim's Design, Research and Development activities ensuring the most advanced and cost effective solutions for its customer partners.