



ALUMINUM NEWS

OCTOBER 29, 2008

[Forbes Explores the Aluminum Advantage](#)

A recent [Forbes](#) article looks at aluminum's use in automotive applications and notes that by utilizing aluminum instead of steel a vehicle's weight can be significantly reduced. Low weight vehicles burn less fuel and produce fewer tailpipe emissions-both great [environmental advantages](#).



The article also highlights the importance of a multi-material solution, saying collectively aluminum and other low weight materials can help vehicles achieve an additional 20-30 miles per gallon.



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[Save the Date! Automotive Aluminum Webinar](#)

Want to learn more about automotive aluminum's benefits? Join us for an upcoming webinar on Tuesday, December 9, from 1:30 - 3 p.m. (EST), where the industry's top engineers will discuss the latest research on aluminum's cost saving potential, safety advantage and environmental performance. Register [here](#) for the event.

[Aluminum Enhances Vehicle Performance](#)

The 2009 [Acura TL](#) uses an impressive amount of automotive [aluminum](#) in order to decrease vehicle weight and increase [performance](#). Aluminum applications include the hood, front and rear bumper beams, cross-car instrument panel beam, front suspension subframe, rear suspension knuckles, steering hanger beam and engine. According to Acura, there is a weight savings of 51.7 pounds from the combined aluminum components. This lightweight technology allows the TL to be larger than its predecessor; even with a range of safety and consumer features, the curb weight is only 85 pounds heavier than the 2008 model.



[Aluminum Growth Projected](#)

To counter high fuel prices and address pending [CAFE regulations](#) automakers are implementing a number of multi-component solutions to improve fuel economy and reduce weight. Aluminum can help manufacturers produce environmentally friendly, fuel-efficient vehicles. According to an article in [Cutting Tool Engineering](#), an average of 317 pounds of aluminum was used in 2006 model year vehicles accounting for almost 10 percent of its weight. Automotive aluminum use is projected to continue [increased growth](#) in the future.



[ALTG Sponsors and Participates in Automotive Metals Conference](#)

The Aluminum Association's Auto & Light Truck Group (ALTG) is sponsoring the [American Metal Market's 3rd Annual Automotive Metals Conference](#) and will feature three ALTG members on various panel sessions speaking about topics such as "Climate in the Supply Chain," "Going Green" and "The Battle for Market Share." [Contact us](#) for detailed information about the conference or to arrange an interview with an ALTG representative.

CALENDAR OF EVENTS

[3rd Annual Automotive Metals Conference](#)
[American Metal Market](#)
October 28-30, 2008
Detroit, MI

[Green Car Conference](#)
[Automotive News](#)
November 13, 2008
Novi, MI

[L.A. Auto Show](#)
November 19-30, 2008
Los Angeles, CA



FAST FACTS

[Aluminum's Recyclable Advantages](#)

The automotive industry is racing to improve a vehicle's environmental impact and one of aluminum's numerous green advantages is its [recyclability](#). Use of aluminum can deliver a substantial reduction in CO2 and other emissions over the life of the vehicle through fuel savings, even when considering those generated by the initial production process.

- Aluminum is infinitely recyclable without degradation to the material.
- Nearly 90 percent of automotive aluminum is recovered and recycled.
- Nearly 60 percent of the aluminum used in North American vehicles is recycled aluminum.