



Grainger & Worrall's Engineering and Technology Director, Keith Denholm discusses whether the car industry will follow the example of Tesla's Giga casting or not. Read the full transcript below.

Will the Industry Adopt Giga Casting?

There are a number of forces at play at the moment, as the industry is going through a massive change. Elon Musk has had the opportunity to start again and look at it more fundamentally. If he prevails, and there's no reason to suggest he won't, others will follow quickly, because that's just the way the world works. So, to answer your question, yes, I think that's the way it will go. As long as there's nothing determined to be suboptimal with that. There are a number of obvious challenges with a single piece, which is that what if you damage it? You know, what's the economics behind Repair and Replace? Those things haven't been fully understood yet. There are still some technical challenges in that as well. There are certain things that you can do with multiple assemblies or parts that you can't do with a single mono casting. Therefore, certain designs may not lend themselves fully to that concept as well as others. So, I don't think it will be one or the other. I think it will be both, but I think the uptake on the mega casting will grow significantly.

Want to find out more about the role of sand casting in electric vehicle manufacturing? Read our free eBook, **Making EV Components with Sand Casting**.

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