

Nanocoatings for the Aerospace Industry

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Abstracts

Brief Summary

A number of aerospace companies and agencies are beginning to use, or investigate the use of, nanostructured coatings to add special characteristics to aircraft frames and interior and engine parts and component surfaces, which can include properties such as: self-cleaning; improved hardness; wear and corrosion resistance; improvement in fuel efficiency; and improved thermal performance and flame retardancy. The current market is estimated to be around US\$80million, rising to US\$235million plus by 2015, driven by factors such as the demand for stronger, tougher, lighter and longer-lasting components that meet stringent qualifications and reduced fuel consumption and emissions.

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