

# Ford is developing a process that can save engines from the scrapyard

Ford is recycling old engines so they can be used again with the help of a special Ford-patented plasma coating technology.

The process delivers a 50 per cent reduction in CO2 emissions compared with producing a new engine.

The Plasma Transferred Wire Arc thermal spray process and other sustainability innovations are being researched and developed at the Ford Research and Innovation Centre in

Aachen, Germany, and around the world.

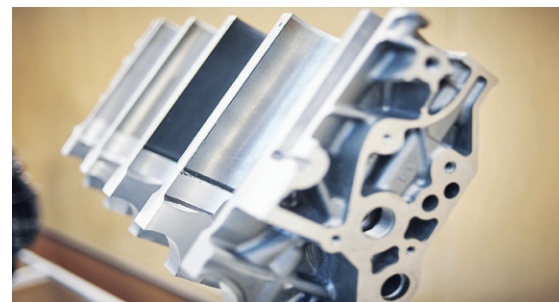
The use of lightweight materials such as aluminum, carbon fibre and high-strength steels also are being researched and developed for improved fuel efficiency. Furthermore the research work also includes the use of renewable materials such as tomato fibres that are a by-product of Heinz Ketchup, bioplastics, and shrubs.

Engines that can be used again

Engines today are designed to operate for many years and several hundred thousand miles in all imaginable conditions.

However, in instances when an engine does fail, it is common that faulty units are simply replaced with a new engine.

Plasma Transferred Wire Arc coating technology applies a spray to the inside of the engine block that helps restore it to its original factory condition.



Ford is using an innovative new process to give a new lease on life to old engines that would otherwise be scrapped.



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