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Ultrasonic nozzle to revolutionise water use

A revolutionary ultrasonic attachment for taps boosts water's ability to clean.

Tim Leighton, of University of Southampton, and Peter Birkin's device works with cold water, minimal additives and consumes as much electrical power as a light bulb.

Its application will be wide — licenses have already been sold to a number of industries including cleaning in food preparation, hospitals, manufacturing and homes.

Currently, industry uses excessive water, power and additives for cleaning. For example, it can take up to 100 tonnes of water to produce just a tonne of clean wool after shearing.

“Society runs on its ability to clean. Ineffective cleaning leads to food poisoning; failure of manufactured products and poor construction,” says Leighton.

The device uses less water and power than the equivalent pressure washer (two litres per minute compared to 20 litres per minute and less than 200 watts, compared to 2,000 watts).

<http://www.hindustantimes.com/StoryPage/Print/767570.aspx>

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