

# Demonstration Video of Microscopic Graphene/Platinum Robots [2020]

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[March of the Microscopic Robots](#)

by [nature video](#)

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Building robots at the micron scale is tricky, particularly when it comes to designing small-scale ‘actuators’ – the motors that allow robots to move.

Conventional actuators don’t work at such a small scale, and new actuators that do work use mechanisms like magnetism and are difficult to integrate with traditional silicon based micro-electronics.

Now a team of researchers have developed a new type of actuator that operates electronically and that can be layered directly onto the circuit that controls it.

This opens the doors for the last 50 years of micro-electronics research to be incorporated into robots so small they can’t be seen by the human eye.

Read the paper in full:  
<https://www.nature.com/articles/s41586-020-2626-9>

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