The new Atlas robot can perform movements that are impossible for humans

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Boston Dynamics' next generation of humanoid robots still uses the old name Atlas. Boston Dynamics said the new robot will be the world's most dynamic humanoid robot, powered entirely by electricity and designed for real-world applications.

The new Atlas robot has a compact design, no longer has a heavy upper body, and has incredible mobility. In the video, the robot lies motionless on the floor, but then its legs bend at the knee joints and stand up, its back facing the camera, its head rotated 180 degrees before turning its body. It moves quickly and flexibly, although its posture is still a bit jerky.

"We have custom-built small, high-capacity actuators that allow them to perform a wide range of movements. Each actuator has the power of a professional athlete and is designed to used at every joint on the robot",

Boston Dynamics CEO Robert Playter said that they have built custom small actuators that are high capacity and can perform a variety of different movements. The power of each actuator is equivalent to that of a professional athlete. Every joint on the robot is equipped with this actuator.

The electric Altas, which will begin work at Hyundai factories next year, will become Boston Dynamics' third commercial robot, after box-unloading dog Spot and Stretch. Currently, the price of the new robot has not been disclosed.