

# 机器人公司打造出“世界最快鞋” 步行速度可达每小时 11 千米

Robotics startup unveils the world's fastest walking shoes

近日，美国一家机器人初创企业推出了一款号称全世界最快的鞋子，据称最多能将步行速度提高 250%。这款鞋子装有电动“风火轮”，穿着这种鞋可以像穿普通鞋子一样行走，并能根据穿着者步行数据加快或减慢速度。



Photo: Shift Robotics

A Pittsburgh-based robotics and engineering startup recently unveiled Moonwalkers, a pair of battery-powered shoes that it claims can boost walk speeds by up to 250%.

一家总部在美国匹兹堡的机器人与工程初创企业近日推出了一款名为“月球漫步者”的电池供电鞋，据称可以将步行速度提高 250% 之多。

At first glance, Moonwalkers look like a pair of futuristic roller-skates, but there is actually a lot more to them than that. You're actually meant to walk with them the way you would regular shoes or sneakers, letting the motorized wheels put a spring in your step. Powered by a state-of-the-art brushless DC motor, this ingenious contraption is actually a platform that can be attached to a wide variety of footwear to significantly increase your walking speed up to a reported 7mph/11kph. For comparison, humans' average walking speed ranges from 2.5 to 4 mph. The sensation of walking with the world's fastest shoes has been compared to that of walking on a 'moving walkway' in an airport.

乍看之下，“月球漫步者”就像一双未来主义风格的旱冰鞋，但实际上鞋里大有乾坤。你穿着它可以像穿普通鞋子或跑鞋一样走路，让电动轮助你脚下生风。这款设计巧妙的鞋的动力源自最先进的无刷直流电动机，实际上就是一个可以附着于各种鞋类的平台，能够显著提升步行速度，据称可达每小时 7 英里（11 千米）。相比之下，人类平均步行速度为每小时 2.5 到 4 英里（4 到 6 千米）。穿着“世界最快鞋”行走的感觉与在机场移动走道上行走的感觉差不多。

Designed by Shift Robotics, an offshoot of Carnegie Mellon University, Moonwalkers consist of a 300W brushless motor in

each 4.2-lb (1.9-kg) shoe that powers eight polyurethane wheels. There is also an AI-powered gearbox that increases or decreases speed according to data regarding the wearer' s walk collected by a series of sensors. The shoes are also able to detect downhill movement to prevent accidents.

“月球漫步者”由美国卡耐基梅隆大学下属的 Shift Robotics 公司设计，每双重量为 1.9 千克的鞋中包含一个 300 瓦的无刷电机，为 8 个聚氨酯轮子提供动力。鞋子当中还有一个人工智能变速箱，可以根据一系列传感器收集的穿着者步行数据来加快或减慢速度。这款鞋还能检测到下坡运动以防止事故。

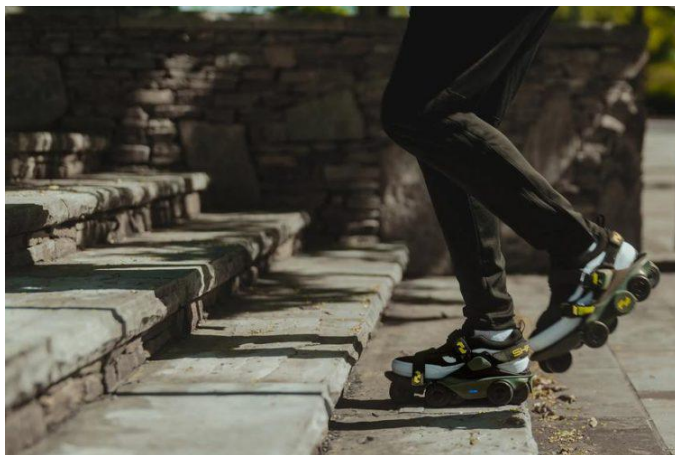


Photo: Shift Robotics

“Moonwalkers are not skates. They' re shoes. The world' s fastest shoes actually,” Xunjie Zang, founder and CEO of Shift Robotics said. “You don' t skate in them. You walk. You don' t have to learn how to use them, the shoes learn from you.”

Shift Robotics 公司的创始人兼首席执行官臧迅杰（音译）称：“月球漫步者不是旱冰鞋，而是健步鞋，实际上它是全世界走路最快的健步鞋。你不是穿着它滑行，而是步行，你无须学习如何使用这种鞋，鞋子会学习你的走路方式。”

But do the world' s fastest shoes work on uneven terrain, or things like stairs? We all know how tricky those are to mitigate in rollerskates. Well, apparently the designers took that into consideration and implemented a simple gesture that allows the wearer to lock the wheels so that they can walk up or down stairs as they would in regular footwear.

但是，穿着这款世界最快鞋能否在不平坦的地形上行走或爬楼梯呢？我们都知道穿旱冰鞋走这种路有多难。不过，显然设计师已经考虑到了这一点，让穿着者用一个简单的动作就可以锁住轮子，这样他们就能像穿普通鞋一样上下楼梯了。

Moonwalkers were recently unveiled as part of a Kickstarter campaign that has already reached almost double its crowdfunding goal of \$90,000. The first batch is expected to ship in March of 2023, at a retail price of \$1,399. That' s not cheap, but then again, this isn' t your average pair of shoes, it' s the world' s fastest pair of shoes.

“月球漫步者”近期作为众筹网站 Kickstarter 的项目推出，目前已经筹到了目标资金 9 万美元的近两倍。第一批鞋子预期将在 2023 年 3 月发货，零售价为 1399 美元（约合人民币 10189 元）。这个价格不便宜，不过这可不是一双普通的鞋子，而是全世界最快的鞋子。