

## Freedom of Motion

# Walking Assist Device with Stride Management Assist

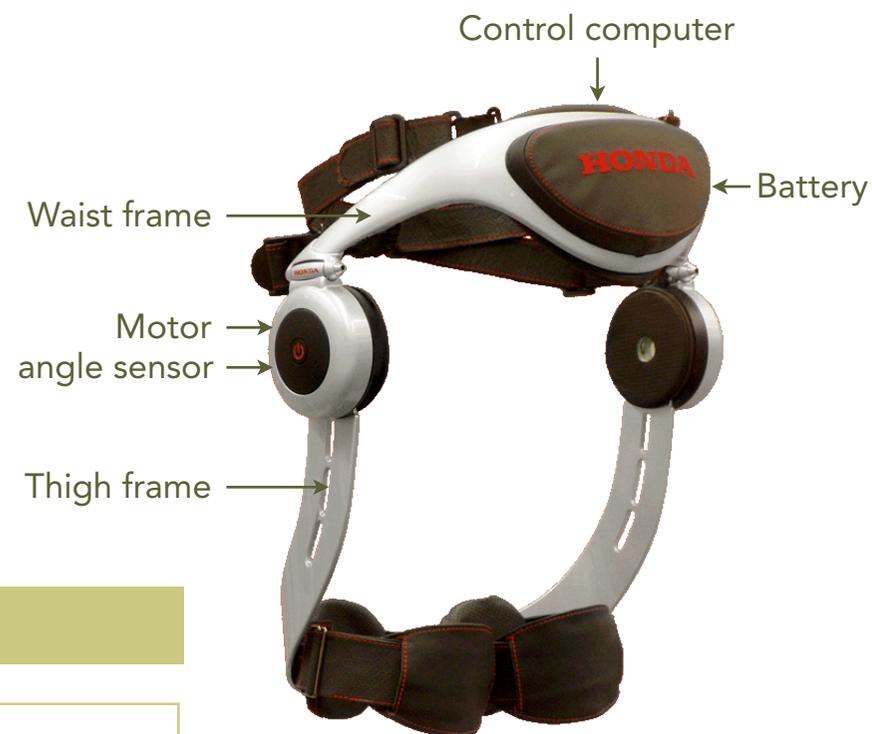
For those with weakened leg muscles who are still able to walk

When walking is a struggle, you need a leg up. And that's literally what Honda's prototype Stride Management Assist device is designed to provide. A motor helps lift each leg at the thigh as it moves forward and backward. This helps lengthen the user's stride, making it easier to cover longer distances at a greater speed.

A lightweight, simple design with a belt worn around the hips and thighs was created to reduce the wearer's load and to fit different body shapes. More than 130 patents have been applied for pertaining to the walking assist devices, which are currently being tested in real-world conditions to evaluate their effectiveness.

As a company that values mobility, Honda began research into a walking device in 1999. The cumulative study of human walking, along with research and development of technologies conducted for Honda's advanced humanoid robot, ASIMO, made these developments possible.

## System



## Specification

Weight	2.8kg (including batteries)		
Drive system	Brushless DC motor x 2		
Battery	Rechargeable lithium ion battery		
Single-charge operation time	Approx 2 hours (while walking at 4.5 km/h)		
Sizes Space between motors (MM)	Small(S) (S)312	Medium(M) (M)342	Large(L) (L)372

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