

**MATIA** ROBOTICS

## Benefits of Standing

1. Bone Mineral Density Increases (1)
2. Improved Circulation (2)
3. Improved Bowel Function (3)
4. Alleviates Pressure to Common Areas When Seated (4)
5. Psychological Improvement (5)
6. Decrease in Mortality (6, 7)



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# Mobility Reimagined



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**MATIA** ROBOTICS



Robotic  
Mobilization  
Device



# Brand New, Unprecedented Platform...

The Tek Robotic Mobilization Device is a new mobility platform that completely re-imagines the way individuals with paraplegia, spinal cord injuries, and other walking disabilities are able to move around in the world. The ability to independently and safely sit, stand, and navigate environments that were once inaccessible is now simple and convenient. Users of the Tek RMD can enjoy spending time and conversing with friends and family at eye level.

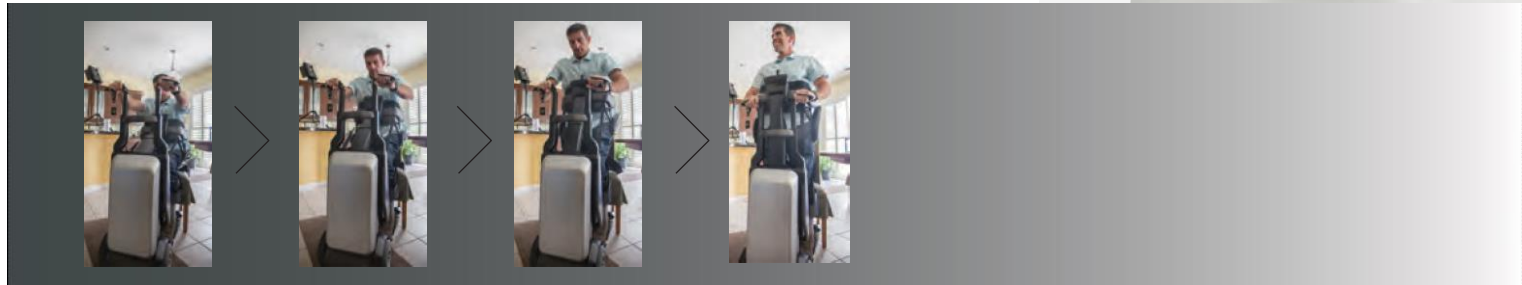
A single device offering the enabling combination of better health, upright mobility, greater accessibility, and improved perspective is now available with the Tek RMD. With a small footprint, intuitive controls, and boarding from the back feature, the Tek RMD gives you back the freedom to use your home, office and other indoor spaces as they were meant to be used; upright and mobile.



Retired Air Force veteran and T12 paraplegic Troy Yoho reviews the work of a calibration engineer from his Tek RMD







#### Technical Data

Max Speed 4.5 km/hr • 2.8 MPH

Battery Capacity DC 24V (2x12V) 22Ah

Turning Radius 60cm • 23.6in

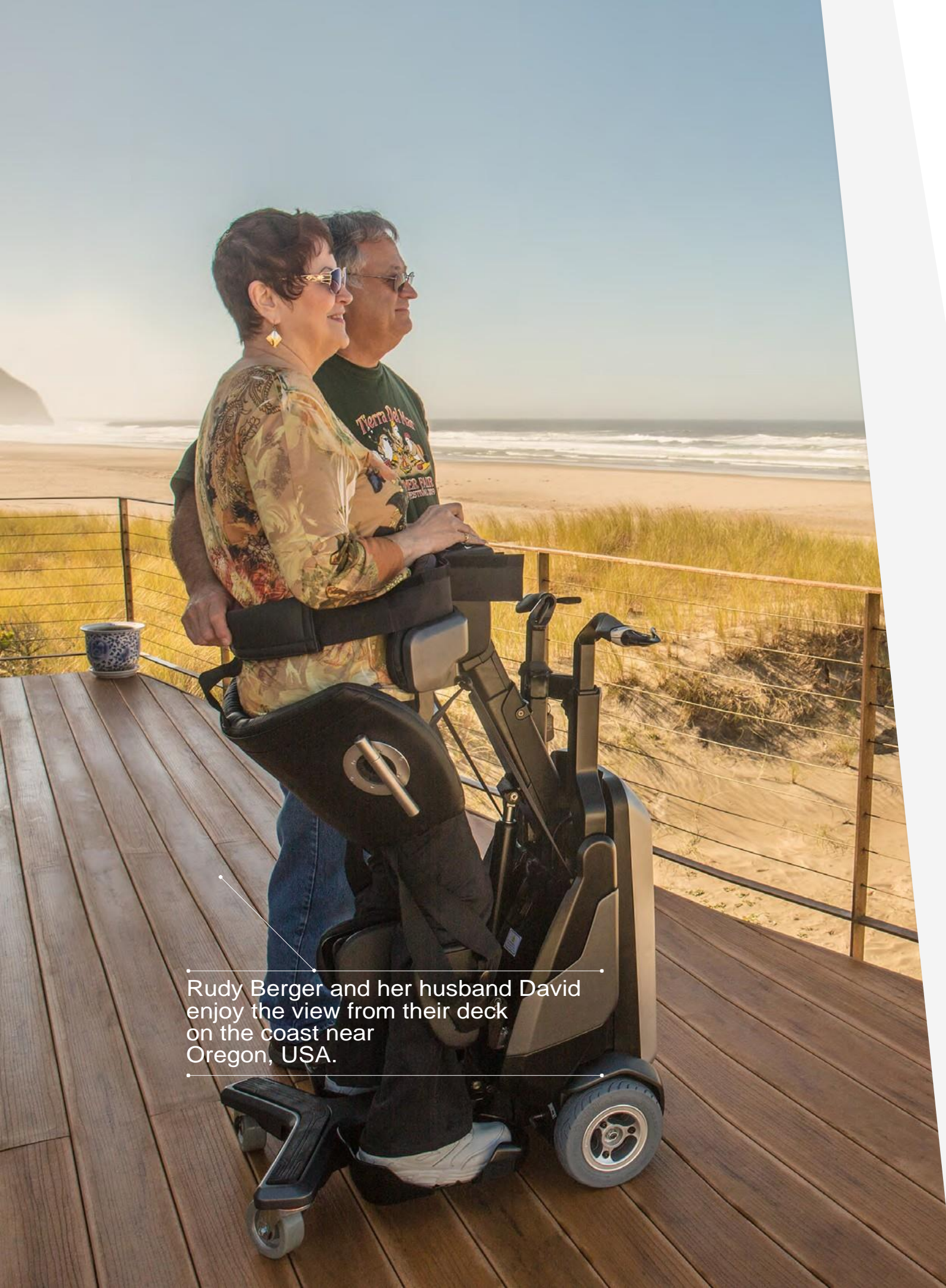
Weight (empty) 118kg • 260 lbs

Charger 24V

Range 6km • 3.7 Miles







Rudy Berger and her husband David enjoy the view from their deck on the coast near Oregon, USA.

## Boarding from the Back...

Front and side mounted wheelchairs can be a challenge to transfer into when one is sitting on a couch, bed, commode, or chair. This requires a person to lift their body with their arms and throw themselves into their wheelchair, these movements can be difficult and dangerous without assistance; especially factoring in additional challenges. However, in any of these situations a person's front side is unobstructed. The user can board the Tek RMD securely from the back of the device. Mounting and dismounting the Tek RMD can be done successfully in a much safer way without assistance in the seated position, granting more independence.





## Assisted Lifting...

Getting from a seated position into a standing position with the Tek RMD is quick and simple. The gas spring supported manual lift assists in lifting the weight of the user, so getting into the standing position requires a gentle pull.

Individuals can board the Tek RMD and get into the standing position independently without assistance from others. The convenience and simplicity helps to encourage the users to get into a standing position countless times, and perform various daily activities while in the standing position.







Athlete, inspirational speaker, T10 paraplegic, and pizza connoisseur Jeremy McGhee is having a drink with a friend at Crust Pizzeria in San Diego, CA, USA

## Remote Control...

The Tek RMD's remote control allows the user to operate the device from a distance. This allows the user to sit on a couch, office chair, or bed; send the Tek RMD away, and bring it back with the remote control when needed.

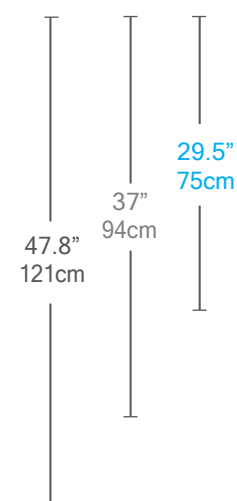
## Hands-Free Usability...

The Tek RMD supports the user in an upright position while leaving their hands free. This position makes it possible for the user to reach anywhere with free hands and perform many daily tasks such as cooking, washing dishes, ironing, etc., comfortably in environments that are typically not set up for people with physical disabilities.





#### FOOTPRINT COMPARISON



## Small Footprint...

The Tek RMD is the world's smallest footprint motorized standing mobility device. It is only 42 cm wide and 75 cm long (16.3 in X 29.5 in). The Tek RMD's small footprint allows users to go places and reach items otherwise unavailable in a standard wheelchair whether at home or at work. By minimizing the renovation required in living spaces the Tek RMD often decreases overall costs to living with disabilities.



Looking into each other's eyes,  
Steven Jabari and his wife Annetta  
say yes to a happy life together.



# Healthy Living...

Our bodies are meant to stand. Standing at least five times a week improves bone density, bladder and bowel function, digestion, circulation, and respiratory finction (1). Standing also improves your self esteem and physiological well being (2).

Existing standing frames can be large and limit user’s ability to navigate indoor environments, often require assistance, and rarely allow for convenient navigation. The Tek RMD supports the user in an upright position while leaving their hands and arms free. This allows more freedom and independence to perform daily tasks, while improving health and overall being.

1. RESNA- RESNA Position on the Application of Wheelchair Standing Devices – 3/2007  
2. Eng et. al. Physical Therapy Journal of the American Physical Therapy Association , Use of Prolonged Standing for Individuals with Spinal Cord Injuries – 8/2001

