



Standing Independently

MATA ROBOTICS

www.matiarobotics.com

TEK 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.



Benefits of Standing

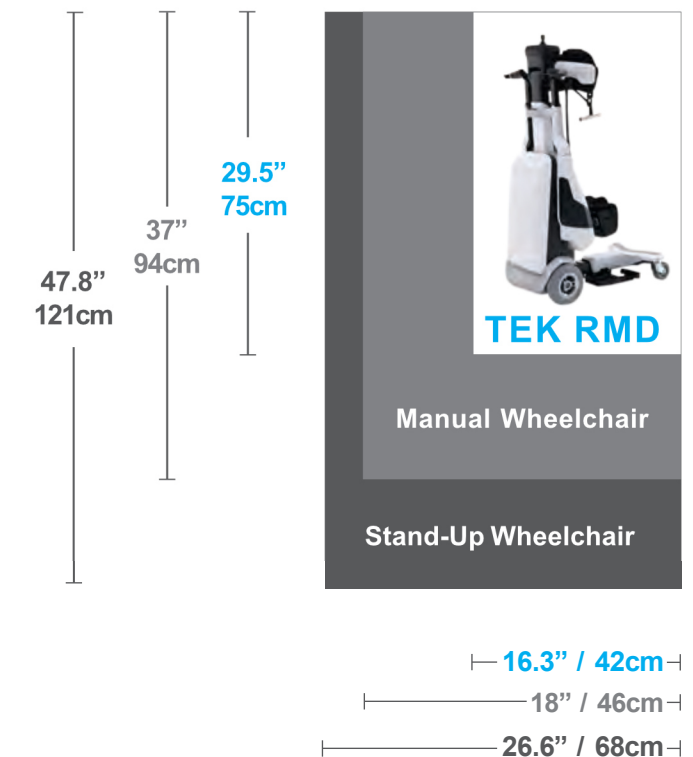


1. Bone Mineral Density Increases (1)
2. Improved Circulation (2)
3. Improved Bowel Function (3)
4. Alleviates Pressure to Common Areas When Seated (4)
5. Psychological Improvement (5)
6. Decrease in Mortality (6, 7)

Small Footprint...

The Tek RMD is the world's smallest footprint motorized standing movement 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 need in living spaces the Tek RMD often decreases overall costs to living with disabilities.

FOOTPRINT COMPARISON



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

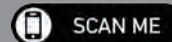
Charger 24V

Range 6km • 3.7 Miles



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1929 South 4130 West, Ste. A
Salt Lake City, UT 84104



References

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- (2) - Dunn R, Walter J, Lucero Y. Follow-up assessment of standing mobility device users. Assist Technol. 1998;10:84-93.doi: 10.1080/10400435.1998.10131966.
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- (4) - Garber SL, Rintala DH, Rossi CD, Hart KA, Fuhrer MJ. Reported pressure ulcer prevention and management techniques by persons with spinal cord injury. Arch Phys Med Rehabil 1996;77(8):744-9
- (5) - Kunkel C, Scremin A, Eisenberg B, Garcia J, Roberts S, Martinez S. Effect of "standing" on spasticity, contracture, and osteoporosis in paralyzed males. Arch Phys Med Rehabil. 1993;74:73-8.
- (6) - Standing and mortality in a prospective cohort of Canadian adults., Katzmarzyk PT, Med Sci Sports Exerc. 2014;46(5):940-6.
- (7) - Standing time and all-cause mortality in a large cohort of Australian adults., van der Ploeg HP, Chey T, Ding D, Chau JY, Stamatakis E, Bauman AE, Prev Med. 2014 Dec; 69():187-91.



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info@matiarobotics.com



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