



Profhand 
neuromodulation

World's most innovative
pedal wheelchair



Meeting
whomever
one's heart
desires

Design & Developed in Japan

日本での設計と開発

Based upon the principles of
Neuromodulation, the Profhand™
provides mobility, exercise,
rehabilitation and stress relief.



Benefits for Users

Using ones own legs (only one or both), individuals with walking disabilities realize the benefits of...



Enhanced Mobility

Individuals with walking disabilities are able to travel easily by pedaling Profhand™ wheelchairs with little exertion.

Safety and User Friendliness

Through the special design features like the drum brake and auxiliary wheels, a high level of safety is assured. Every use of the Profhand™ is an easy and comfortable experience.



Convenience

With Profhand™ previously sedentary individuals are able to move about with less supervision. The special gear ratio allows even weak leg muscles to propel the Profhand™ for ambulation and doing exercise at the same time.



Independence

With a single hand control and 360° tight turning capability the users can master the Profhand™ within the first few minutes of use. The users can enjoy high level of independence and requires less close assistance from others.





Rehabilitation

Exercise is vital for individuals to maintain muscle strength, prevent muscle atrophy and even regain a higher quality of life. The Profhand™ becomes an integral part of the rehabilitation process as the users' hands, legs, brains, eyes and ears are used in a coordinated manner. Improved circulation and joint flexibility are also observed.

Benefits for Institutions

Incorporating Profhand™ into their programs, institutions see the benefits of ...



Simple Operation

With a minimal learning curve, users can master the Profhand™ on their first trial.



Easy Maintenance

The compact design and sturdy construction of the Profhand™ offers ease of maintenance and durability.



Redefined Rehabilitation

By incorporating Profhand™ pedal wheelchairs as part of the entire program, the users are encouraged to be more independently involved in their rehabilitation, which help establish their self confidence and even team spirit through various interactive activities.



Reduced Need of Assistance

Using the Profhand™ is a safe and comfortable experience. Users are empowered to pursue more sophisticated challenges with less assistance in the course of their rehabilitation.



Proven Reliability

The Profhand™ pedal wheelchair was developed by Professor Yasunobu Handa and his research team at Tohoku University Graduate School of Medicine in Japan. It has gained CE marking and US FDA approval.

Features:



Optional Features:



Leg Belt



Lightweight Pedals

Specifications	PH-1608RP / DP (Medium)	PH-2010RP / DP (Large)
Length	1052 mm (41")	1220 mm (48")
Width	627 mm (25")	627 mm (25")
Height	881 mm (35")	950 mm (37")
Weight	14.8 kg / 15.7 kg (33 lb / 35 lb)	17.3 kg / 18.2 kg (38 lb / 40 lb)
Seat Length	350 mm (14")	420 mm (17")
Seat Width	410 mm (16")	410 mm (16")
Backrest Height	330 ~ 380 mm (13" ~ 15")	330 ~ 380 mm (13" ~ 15")
Weight Capacity	100 kg (220 lb)	136 kg (300 lb)

- Notes: 1. All dimensions are rounded up to the nearest whole number.
 2. RP denotes Standard version.
 3. DP denotes Premier version, with differential gear.



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