



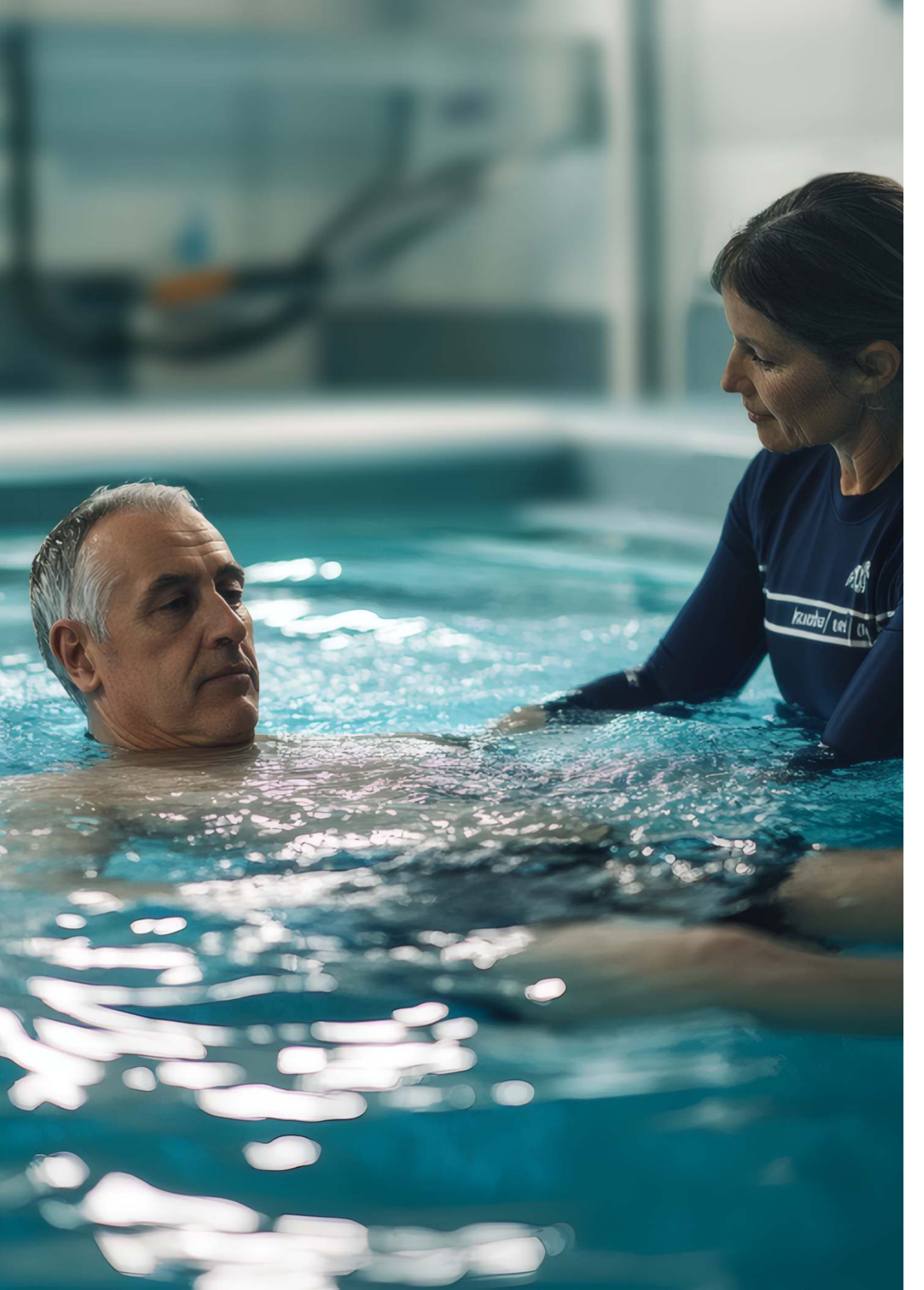
EWAC MEDICAL

WE GET YOU MOVING



Integrated Underwater Treadmill

Progress, Step by Step



Welcome

“We get you moving,” isn’t just a slogan—it’s a lifeline to those like Emily, whose world shrunk dramatically after an injury left her doubting if she’d ever dance at her daughter’s wedding. EWAC’s aquatic therapy equipment, installed at the local rehabilitation center, where water and technology blend in harmony. For Emily, the pool isn’t just a facility; it’s where miracles begin. Under the gentle guidance of her therapist, she finds herself surrounded by water, feeling lighter, freer, and more capable with each session. The fear and doubt that once clouded her mind start to dissipate, replaced by hope and determination.

Aligned with our mission to enhance the global quality of life, our slogan signifies more than just physical movement. It represents our commitment to rejuvenating lives, empowering individuals, revitalizing businesses, and, on a grander scale, propelling nations forward. By getting people moving, we’re not only facilitating physical mobility but also driving progress and prosperity. We achieve this through our dedication to delivering the pinnacle of innovation and quality in our field, tailored to meet the specific needs of diverse cultures globally. This is how we fulfill our promise: “We get you moving,” embodies our commitment to movement, improvement, and advancement for individuals, businesses, and nations alike.

Eric Legdeur - CEO

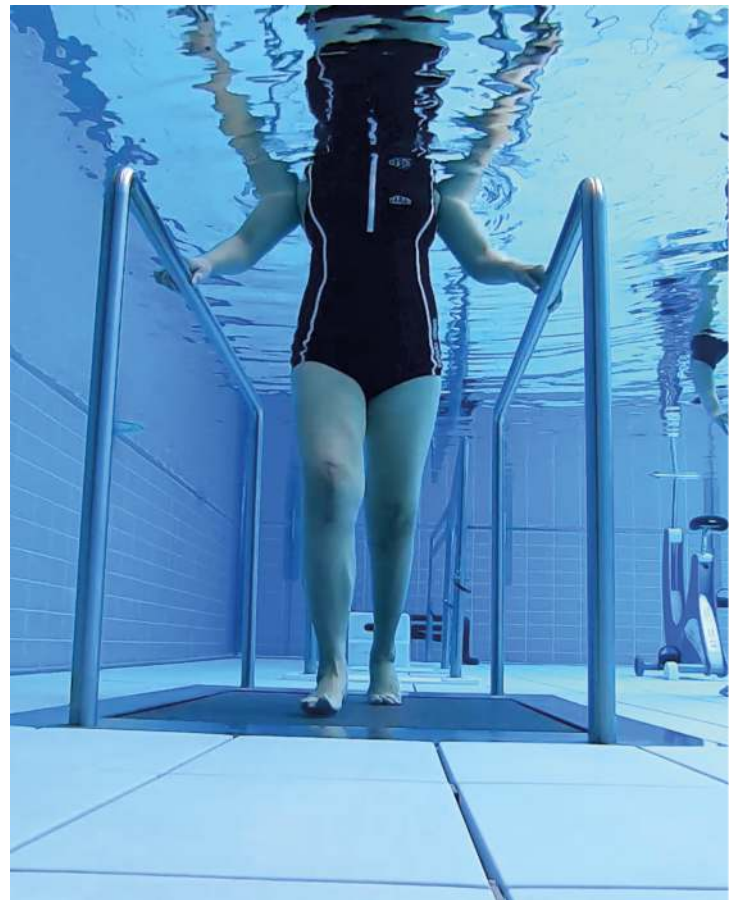
A handwritten signature in black ink that reads "ERIC". The letters are cursive and connected, with a horizontal line underneath the name.

EWACMEDICAL.COM

Introduction

Integrated Underwater Treadmill

The EWAC Medical Integrated Underwater Treadmill combines the natural support of water with the proven benefits of walking and running. By enabling exercise in reduced gravity, it makes movement accessible, safe, and enjoyable for users of all ages and abilities. Built into the pool bottom or movable floor, the treadmill is robust, low-maintenance, and seamlessly expands the possibilities of aquatic training.



Adaptive Motion, Lasting Benefits.

From first steps to advanced performance training, the underwater treadmill adapts to each user. It reduces joint strain, builds endurance, and restores confidence in motion—supporting every stage of progression in water.

Peng MS, et al. (2022). "Efficacy of Therapeutic Aquatic Exercise vs Physical Therapy Modalities for Patients With Chronic Low Back Pain: A Randomized Clinical Trial." JAMA Network Open, 5(1): e2142067.

Amedoro A, et al. (2020). "The effect of aquatic physical therapy on patients with Multiple Sclerosis: a systematic review and meta-analysis." Complementary Therapies in Clinical Practice, 39:101155.

Patil (2024). "Aquatic Therapy Benefits and Applications in Physiotherapy" for a broad review of benefits across populations.

Believe – Movement that Builds Confidence

Patient Experience

At EWAC Medical, we believe movement should empower. The Integrated Underwater Treadmill transforms water into a supportive partner that makes walking and running accessible, comfortable, and motivating. Buoyancy reduces strain on joints, so every step feels lighter and more controlled. Shallow depths help users take confident first steps, practice balance, and re-establish coordination in a safe, predictable rhythm. At mid-depths, users can increase effort, building strength, stamina, and cardiovascular fitness without the impact of land exercise. Deeper water creates near-weightless immersion, opening opportunities for longer sessions, improved mobility, and gentle endurance training. With speed finely adjustable, progress can be gradual and tailored to individual needs. The result is an inclusive and enjoyable training experience where confidence grows step by step.



Therapist Perspective

For trainers and instructors, the underwater treadmill is a versatile tool that adapts instantly to the goals and abilities of every group. Adjustable speed and water depth allow quick progression from low-impact walking to higher-intensity sessions, all within one system. Because users remain stationary on the belt, trainers can closely observe gait, posture, and movement efficiency. Optional underwater cameras or observation windows further enhance assessment, documentation, and feedback. The treadmill's steady rhythm provides a reliable framework for structured programs, whether focused on mobility, conditioning, or performance. Built flush into the pool floor, it leaves the surface free for other activities when handrails are removed. This combination of adaptability, observation, and efficient space use ensures a professional environment that maximizes both outcomes and facility value.



System – Seamless Integration, Maximum Function

Engineered for Aquatic Durability

Design & Construction

Built from marine-grade stainless steel (AISI 316L), the treadmill is engineered for durability in aquatic environments. Its belt runs on precision rollers for smooth, reliable operation, while the non-slip surface ensures stability even at higher walking speeds.

When not in use, the treadmill surface lies completely flush with the pool bottom, preserving a level floor for unrestricted aquatic exercise. Removable handrails free the surface for group activities or other equipment, ensuring no pool space is ever lost. Each unit is factory-assembled and tested in the Netherlands, guaranteeing quality and long-term performance.



Flexibility & Integration

The EWAC Medical Integrated Underwater Treadmill fits seamlessly into modular stainless-steel or concrete pools, offering facilities the flexibility to expand or upgrade without major reconstruction. Units can be installed individually or side by side, creating lanes for group sessions or performance training. When combined with a movable pool floor, the treadmill is accessible at deck level for wheelchairs or stretchers, while adjustable water depths expand training intensity.

Optional features such as counter current, lighting, and underwater cameras extend both exercise variety and documentation capabilities. The treadmill's touchscreen interface can also be linked to other EWAC Medical systems, allowing centralized control of multiple functions through one intuitive platform.



How It Works

Controlled Exercise, Smooth Progression

The treadmill is operated through a secured touchscreen that allows precise adjustment of speed, from a gentle walk to a light run, in small increments. Only authorized staff can activate or change settings, ensuring controlled use at all times. The non-slip belt, combined with the natural buoyancy of water, supports stable and confident movement, while removable handrails add reassurance for users with limited balance. The treadmill is equipped with a water-protected, low-voltage motor integrated into the unit itself. Despite being located underwater, it is designed for safe operation in aquatic environments. All components can be accessed directly from the top of the treadmill, whether it is installed in a pool bottom or a movable floor. This makes servicing straightforward and efficient, minimizing downtime and ensuring long-term reliability. By combining intuitive operation, secure access, and proven engineering, the treadmill delivers safe, reliable performance that integrates effortlessly into daily aquatic programs.

Exercise & Progression

The treadmill creates a controlled environment where exercise intensity can be adjusted instantly. Walking in shallow water supports confidence, upright posture, and balance. At mid-depths, buoyant resistance develops muscle strength and cardiovascular endurance without joint overload. Deeper immersion enables near-weightless conditions, extending range of motion and reducing strain for longer sessions. Speed can be finely tuned to match each stage of progression, while adjustable water depth allows gradual increases in challenge. If a counter current is present, additional resistance can be introduced in front of the treadmill to simulate uphill walking or intensified training. Every stride combines water's natural cushioning with structured progression, making exercise safe, motivating, and enjoyable for all levels.

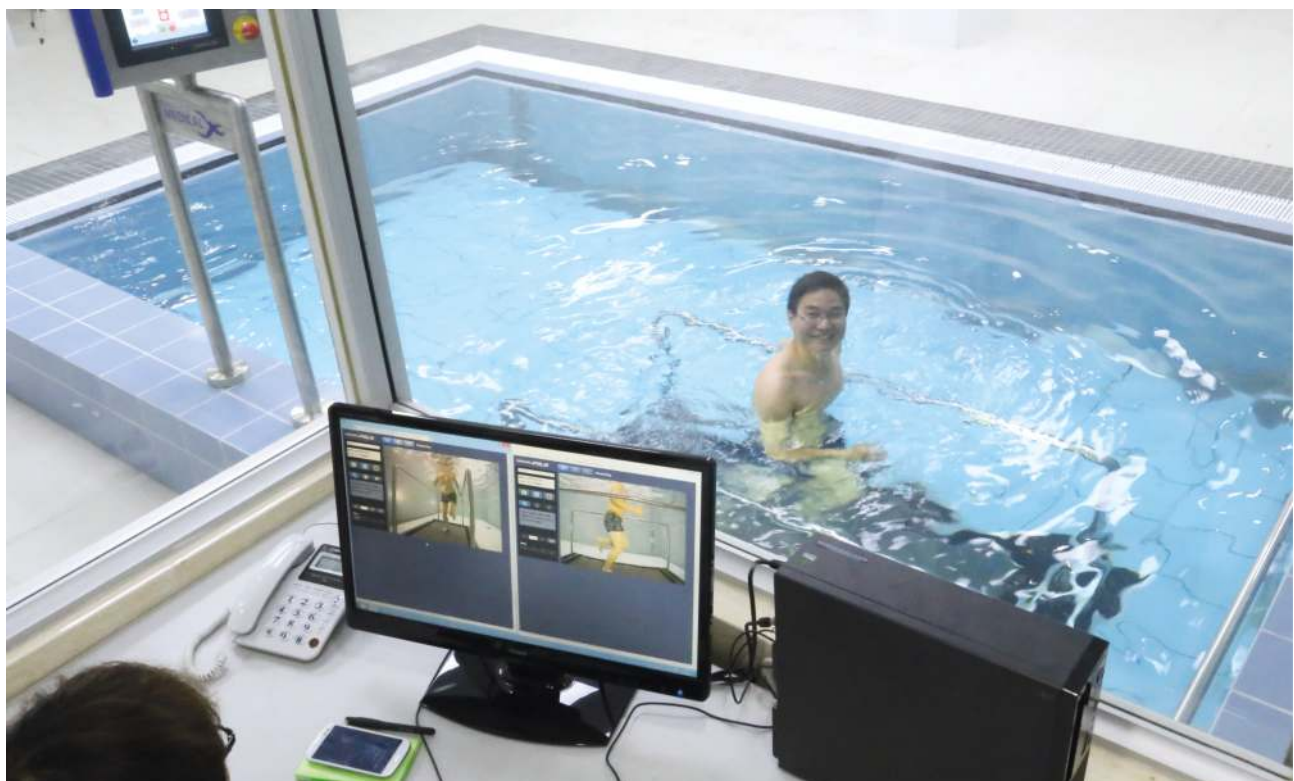


User Perspective

For users, the underwater treadmill offers a sense of safety and possibility that land-based training cannot match. Water cushions each step, reducing discomfort while encouraging more movement. Walking or jogging feels natural, but lighter, allowing users to focus on progress rather than limitations. Entry is straightforward, particularly when combined with a movable floor, and optional handrails provide reassurance during the first sessions. As fitness and mobility improve, treadmill speed and water depth can be gradually adjusted, creating a rewarding sense of progression. Whether the goal is to regain confidence in daily movement, maintain an active lifestyle, or push endurance further, the treadmill provides a supportive pathway. Each session builds both ability and motivation, reinforcing the feeling of moving forward step by step.

Trainer Perspective

For trainers and instructors, the underwater treadmill is a versatile tool for structured aquatic exercise. Adjustable speed and water depth allow immediate adaptation to each individual, whether focusing on balance, stamina, or performance. The steady belt movement creates a predictable rhythm, making it easier to guide users through consistent programs. Because users remain stationary, posture and gait can be observed continuously without repositioning. Optional underwater cameras or observation windows provide precise visual feedback, allowing detailed analysis and video documentation for training or research purposes. Built directly into the pool floor, the treadmill does not obstruct other activities, ensuring efficient use of pool space. Trainers can manage diverse groups in one facility, knowing that the treadmill provides a safe, adaptable platform for all levels. The result is a training environment that maximizes both user outcomes and instructor efficiency.



Functional Application

Progressive Training

Because of its adaptability, the underwater treadmill suits a wide variety of programs. Facilities can use it for children learning aquatic skills, adults improving mobility and balance, or athletes cross-training in reduced-gravity conditions. For active aging populations, it provides safe exercise that protects joints while maintaining cardiovascular health, and provides the right environment for gait training after hip- or knee replacement. The treadmill is equally valuable for group sessions or one-on-one instruction, as multiple units can operate in parallel. Unlike free walking in a pool, where users drift and are difficult to monitor, the treadmill keeps users in one place, making it ideal for precise gait observation and recording. Integrated camera systems or observation windows allow posture and coordination to be evaluated step by step, providing both user engagement and professional insight.

Inclusive Programs

Because of its adaptability, the underwater treadmill suits a wide variety of programs. Facilities can use it for children learning aquatic skills, adults improving mobility and balance, or athletes cross-training in reduced-gravity conditions. For active aging populations, it provides safe exercise that protects joints while maintaining cardiovascular health. The treadmill is equally valuable for group sessions or one-on-one instruction, as multiple units can operate in parallel. Optional observation and recording systems enable precise feedback and documentation, which benefits both user engagement and professional evaluation. This inclusivity means that the treadmill is never limited to one type of program—it supports a broad spectrum of aquatic exercise needs in a single pool environment.



Why Choose the EWAC Medical Integrated Treadmill?

Functional Benefits

The EWAC Medical Integrated Treadmill delivers benefits that extend beyond basic aquatic exercise. Its seamless movable floor integration preserves pool space while expanding training options. Speed adjustability allows programs to match individual progression, and optional features—handrails, underwater cameras, jet streams, and lighting—create an even richer exercise environment. Users benefit from the comfort and support of water, while trainers gain a structured, repeatable tool for diverse groups. Flush integration ensures the treadmill becomes part of the pool itself, never obstructing movement or activities. Removable handrails allow the full surface above the treadmill to be used for alternative aquatic exercises, maximizing flexibility. Unlike temporary or surface-based solutions, the integrated treadmill is always ready, reliable, and precisely speed-controlled—transforming ordinary aquatic sessions into dynamic, goal-oriented programs.

Operational Benefits

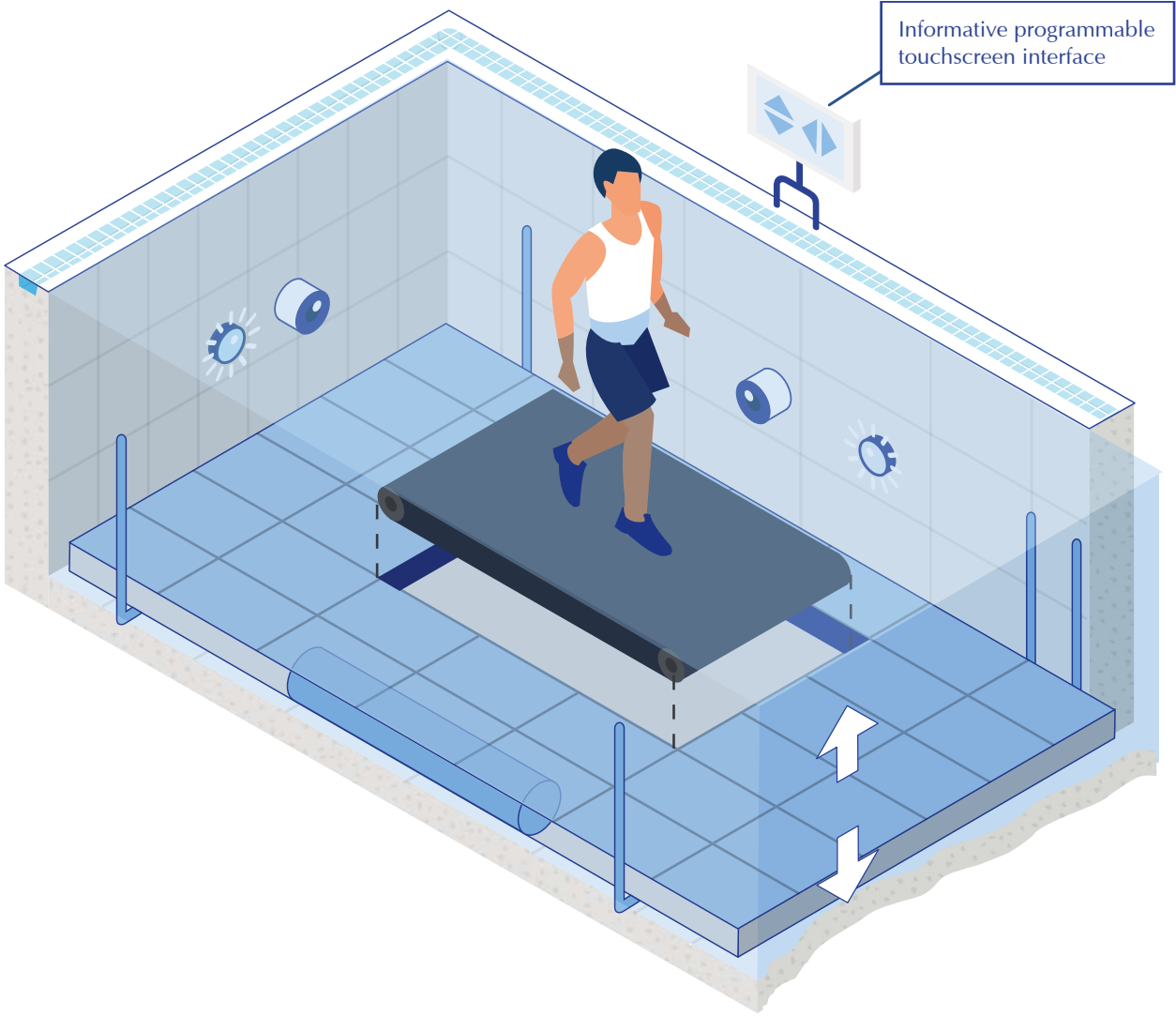
Operationally, the treadmill is a long-term investment designed for reliability and ease of maintenance. Its stainless steel construction ensures durability, while the low-voltage drive motor is built for accessible servicing. When integrated into a movable floor, maintenance can be performed from above without draining the pool, minimizing downtime. In fixed-bottom modular or concrete pools, servicing remains straightforward once the basin is emptied. Installation is efficient and carried out with pre-tested assemblies, ensuring rapid commissioning and minimal disruption to facility operations. Because one treadmill supports multiple programs and user groups, utilization increases without expanding pool space. With more than three decades of EWAC Medical expertise in aquatic engineering, the integrated treadmill provides lasting value for facilities worldwide.



Specifications

Integration	Built into the pool bottom or movable floor, completely flush with the surface when not in use
Pool compatibility	Modular stainless-steel or concrete pools, suitable for new build or retrofit
Construction	Marine-grade stainless steel (AISI 316L) frame with precision belt guidance system
Drive system	Low-voltage motor integrated into treadmill body; water-protected, no electricity exposed in pool water
Running surface	Belt dimensions L1215 mm × W575 mm, optimized for functional underwater performance
Surface	Non-slip flooring, independently certified for slip resistance
Surface finish	Non-slip treadmill belt for traction and stability during walking or running
Speed range	Continuously adjustable from 0.2 km/h to 10 km/h in fine increments of 0,1km/h, enabling precise control for early mobility training as well as advanced endurance and performance exercises.
Control system	Poolside unit, password-protected touchscreen; can also control counter current or movable floor when connected
Optional Features	Removable handrails, counter current integration, underwater cameras, lighting
Installation	Delivered as a complete pre-assembled unit; fits through standard doorways for installation in confined spaces.
Maintenance	Accessible from above when integrated into a movable floor; in fixed-bottom pools, servicing after basin drainage
Transportability	Modular components can be carried through standard doorways for assembly inside therapy rooms
Durability	Long service life under intensive use; corrosion-resistant stainless steel ensures predictable maintenance
Weight	Approx. 150 kg

Infographic



POOLTRACK® UNDERWATER TREADMILL



Perform stationary walking exercises



Study gait and walking pattern with stationary camera's



For rehabilitation, physical training or weight loss



Safe 17V AC drive system



Speeds from 0,2 to 11 km/h



Use the same space for other purposes when not in use



Intervals programmable



No toxic fluids



Wide walking surface



Low maintenance

Hydrotherapy

The Safest Way to Train Gait & Balance



Hydrotherapy, or aquatic therapy, is a highly effective and safe method for improving gait and balance, particularly for individuals recovering from injury, surgery, or neurological conditions. The natural buoyancy of water reduces the impact on joints and minimizes the risk of falls, making it an ideal environment for rehabilitation and mobility training. The resistance provided by water also helps strengthen muscles, improve coordination, and enhance overall stability. Whether used for physical therapy, athletic rehabilitation, or fall prevention in older adults, hydrotherapy offers a controlled, supportive setting where progress can be made safely and effectively.



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ISO 9001, ISO 13485



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LEADER IN
AQUATIC THERAPY
EQUIPMENT



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