

ATARI DESIGN

HYDROZEN

Advanced Hydrotherapy System

Hydrotherapy,
Engineered for
Recovery.

Recovery begins with flow.



HYDROZEN

Harness the power of water

The New Reality in Hydrotherapy

HYDROZEN brings structured aquatic rehabilitation into modern clinical environments through precision engineering and controlled system design.

By integrating adjustable water depth, guided treadmill motion, and intuitive operational control, it transforms water-based therapy into a measurable and repeatable recovery process.

- **Controlled Unloading:** Adjustable water levels reduce joint stress while maintaining functional movement patterns.
- **Guided Gait Training:** Variable-speed treadmill motion supports structured walking and progressive mobility sessions.
- **Safety-Focused Engineering:** Built-in monitoring, emergency stop systems, and stable access architecture ensure reliable daily operation.
- **Progressive Rehabilitation:** Therapists can gradually modify load, pace, and session duration to match recovery stages.
- **Operator-Friendly Control:** Clean touchscreen interface simplifies setup, monitoring, and therapy adjustments.
- **Clinical-Grade Construction:** Designed for durability, hygiene, and consistent performance in rehabilitation settings.



HYDROZEN

Your therapy. Precisely controlled.

Intelligent Control Features

HYDROZEN is built around an intuitive control architecture that allows therapists to manage speed, water depth, and session timing with clarity and confidence.

Each session becomes adjustable, repeatable, and measurable.

Designed for structured rehabilitation, the system ensures that every session is adjustable, repeatable, and measurable.

- **Variable Speed Regulation:** Smooth adjustment from slow therapeutic walking to progressive mobility pacing.
- **Adjustable Water-Level Management:** Fine control of immersion depth to support staged unloading and rehabilitation phases.
- **Session Timing & Monitoring:** Integrated timers and visual feedback allow accurate session tracking.
- **Touchscreen Interface:** Clean layout with simplified navigation for quick setup and real-time adjustments.
- **Emergency Stop Access:** Immediate response capability for safe interruption when required.
- **System Status Indicators:** Clear alerts and operational feedback to maintain safe daily use.



HYDROZEN

Designed for Different Demands

Built for rehabilitation. Tuned for performance.

HYDROZEN is available in two specialized configurations, each engineered to support distinct rehabilitation and performance environments.

HYDROZEN Stream

Designed for daily clinical operation with advanced safety, consistency, and therapist-grade control.

- Therapist-grade control
- Safety-first operation
- Repeatable clinical sessions
- Compliance-ready design

HYDROZEN Flow

Built for rehab-to-performance training with faster sessions, sport protocols, and athlete-first flow.

- Training-first presets
- Fast session setup
- Sport rehab workflows
- Performance metrics focus



HYDROZEN

Reliable by Design

Safety Integrated Into Every Session

HYDROZEN is engineered with a safety-first architecture to ensure stable, consistent operation across rehabilitation and performance environments.

Structural Integrity

- Reinforced tank construction
- Stable entry and support rails
- Anti-slip walking surface
- Secure water containment design

Operational Protection

- Emergency stop access
- Controlled speed ramping
- Integrated system monitoring
- Daily-use durability

Built for Clinical Environments

- Easy-clean surfaces
- Corrosion-resistant materials
- Maintenance-accessible components



HYDROZEN

Optimized for Multi-Modal Hydrotherapy

ADVANCED THERAPY FEATURES

HYDROZEN integrates adjustable immersion, thermal therapy, resistance systems, and incline modulation within a single engineered platform.

Adjustable Water Level

- Precise immersion control for staged unloading
- Progressive load management
- Repeatable immersion settings

Thermal & Whirlpool Therapy

- Adjustable heated water environment
- Integrated whirlpool circulation
- Uniform hydro-massage effect

Resistance & Localized Jets

- Adjustable resistance jets for dynamic loading
- Directional flow control
- Handheld jet for targeted therapy

Incline Modulation

- Incline-capable treadmill
- Adjustable gradient for progressive training



HYDROZEN

Zoned for Diverse Clinical & Performance Use

Applications Across Rehabilitation & Sport

HYDROZEN supports structured hydrotherapy across rehabilitation, athletic conditioning, and mobility-focused environments. Its adaptable configuration allows integration into multiple therapy disciplines.

Orthopedic Rehabilitation

- Post-surgical lower-limb recovery
- Joint mobility training
- Progressive gait re-education
- Controlled load progression

Neurological Rehabilitation

- Assisted gait retraining
- Balance-focused mobility work
- Structured repetition in a supported environment

Sports Conditioning

- Low-impact endurance training
- Performance-based mobility sessions
- Progressive resistance and incline training

Geriatric & Mobility Care

- Reduced-load walking support
- Confidence-building movement sessions
- Controlled pace rehabilitation



HYDROZEN

Engineered with Intelligent Assistance

Intelligent Coaching & Gait Analysis

HYDROZEN integrates digital monitoring and adaptive guidance to support structured rehabilitation and performance training.

AI Coach

- Built-in guided session support
- Real-time movement prompts
- Structured progression assistance

Gait Monitoring

- Inbuilt gait observation system
- Session-based movement review

Data & Repeat Sessions

- User profile creation
- Saved session parameters
- Progressive tracking across visits

Variant-Specific Integration

- **HYDROZEN Stream**

- Therapist camera monitoring for live gait review

- **HYDROZEN Flow**

- Web-app gait analysis integration



HYDROZEN

Next in Aquatic Rehabilitation

Recovery, Tuned by Buoyancy

HYDROZEN brings together precision engineering, adaptive hydrotherapy, and intelligent system integration within a single structured platform – designed for clinics and performance environments ready to advance beyond conventional aquatic therapy.

Built for Measurable Progress

- Adjustable buoyancy and controlled load progression
- Integrated resistance, incline, and thermal therapy
- Repeatable, data-supported session workflows

Designed for Clinical Confidence

- Safety-first structural architecture
- Therapist monitoring and gait analysis capability
- User data storage and session continuity

Ready for Modern Practice

- Stream variant for rehabilitation environments
- Flow variant for performance-focused facilities
- Scalable platform for long-term operational use



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