



TTMT

THERAPY TESTING AND
MEDICAL TECHNOLOGIES

MODULAR & SCALABLE SOLUTIONS





TTMT[®]

We have developed a unique concept that enables us to offer personalized solutions for testing, training, therapy, and education.



TSENSOR[®]

Is a water-proof disc that incorporates acceleration and presence sensors, a gyroscope, light signals, and a buzzer. It is designed for the testing, training, and therapy of motor and cognitive functions.



TWALL[®]

Is an interactive virtual reality system with touch-sensitive and motion-sensitive projection for rehabilitation, training, and the testing of motor and cognitive functions.



TPOOL[®]

Is an interactive, sensory therapeutic tank for the testing, training, and therapy of motor and cognitive functions.



TROOM[®]

Is an immersive, interactive virtual reality system equipped with sensory stimulation devices and sensors for comprehensive testing, training, and therapy.

TSENSOR



OUR SOLUTIONS ARE ADAPTABLE TO ALL NEEDS

With just a single **TSENSOR**, paired with its applications, you already gain access to a wide range of tools for rehabilitation, training, testing, and education. The right application allows you to perform individual or group exercises, for personal use or by professionals in rehabilitation, education, or sports, all with just one **TSENSOR**.





TSENSOR TWALL

OUR SOLUTIONS ARE ADAPTABLE TO ALL NEEDS

From this starting point, the possibilities can grow by integrating additional **TSENSOR** devices, enhancing the applications, and supporting hundreds of diverse activities.

By combining **TSENSOR** with **TWALL**, the interaction, immersion, real-time biofeedback, and possibilities for rehabilitation, testing, therapy, and educational activities become almost limitless. This setup allows for personal, individual, or group use and is ideal for professionals in rehabilitation, sports training and testing, education, and more.



TSENSOR TWALL



THE COMBINATION OF **TSENSOR & TWALL**

You can perform a wide range of activities, assessments, and measurements, including: Balance, equilibrium, reaction time, speed, jumping, repetition counting, gross motor coordination, fine motor coordination, distance, work and effort.

Training and testing in areas such as: Mathematical Logic, verbal Linguistics, musical skills, spatial awareness, interactive questionnaires and many other activities all with real-time feedback and measurements.

TSENSOR TWALL TPOOL



OUR SOLUTIONS ARE ADAPTABLE TO ALL NEEDS

Both **TSENSOR** and **TWALL** can be used in conjunction with **TPOOL** or any therapeutic pool, transforming any therapeutic tank or pool into an interactive experience with automated sessions and measurement of various variables.

And if all this is already highly effective, both **TSENSOR** and **TWALL** can be transformed into a **TROOM**.





TROOM

TROOM TRAINING, TESTING, AND THERAPY ROOM.

The **TROOM** consists of various devices capable of stimulating all senses and measuring numerous variables related to human performance. All devices can connect and operate together, interacting with the patient or user.

TROOM is based on clinical application protocols designed for specific objectives. These treatment and evaluation modules are developed by specialists in each application area and are based on proven methodologies and techniques used over many years.

All protocols are evidence-based, incorporating best practices accepted by specialists in each field.

By incorporating these methodologies within **TROOM**, we enhance results by executing them in an immersive environment where we can create sensory-rich surroundings with images, sounds, scents, textures, thermal sensations, vibrations, etc. aiming to stimulate, induce, and motivate the patient or user to carry out evaluation, training, or therapeutic activities.



TROOM



TROOM TRAINING, TESTING, AND THERAPY ROOM.

Each session is pre-designed with a specific objective. During execution, the stimuli, duration, intensity, and sequence are controlled by **TROOM**, ensuring that reproducibility and session objectives are standardized by the system itself, not reliant on operator discretion. This guarantees the accurate application of the methodology.

TROOM includes a facial recognition system for patients, along with a database that records all activities and performance measurements of the patient or user. All data is saved in the patient's record, along with notes from the therapist or trainer, allowing for comprehensive tracking and monitoring of progress and performance.

TROOM is equipped with various sensors that automatically measure numerous performance variables, including balance, range of motion, fine and gross motor coordination, reaction time, endurance, speed, accuracy, comprehension, and more.

It also provides biofeedback and interaction from all devices with the patient or user, making **TROOM** sessions a highly motivating and immersive experience.



TROOM



APPLICATIONS OF TROOM

The applications of **TROOM** are highly diverse. Currently available modules include:

- Neurodevelopment
- Autism
- Sports Assessment
- Sports Training
- Speech Therapy
- Visual Impairment
- Special education
- Senior Care





TROOM

TROOM TRAINING, TESTING, AND THERAPY ROOM.

Our system is flexible and adaptable to your needs, allowing you to build your solution as you see fit.

You can start with a single **TSENSOR** and expand its capabilities as your needs evolve, eventually incorporating a complete **TROOM**, as all devices are independent and fully compatible with each other.

This allows you to construct the optimal solution for your needs every day.





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