

# Treadmills

High Performance Treadmills



“Assess, Measure,  
Improve my  
Performance”

High quality running machines for clinical  
and high performance applications



**COSMED**  
The Metabolic Company

*“The unique design and heavy duty build guarantee high performance, a stable platform and a slip-free belt for natural walking and running”*

- | Different configurations available from entry level to advanced applications
- | Running machines available with various lengths, widths, speeds and elevations
- | Durable deck and indestructible engine
- | Stable platform and slip free belt for natural walking or running motion
- | Fully interfaceable for PC, ECG, ergospirometry, blood pressure or printer
- | Medical certification available for clinical applications



COSMED Treadmills offer the best quality and high safety standards in the market, either for clinical or high performance applications. The unique design and heavy duty build guarantee maximum performance, a stable platform and a slip-free belt for natural walking and running.

COSMED treadmills are available with different configurations and specifications to fit any request for clinical or sport testing.

Each model can interface with all COSMED metabolic and ECG systems.



## Design

- Durable belt with unique design and heavy duty build
- Stable, lag free surface for safety and natural movement even at high speeds
- Powerful and maintenance-free drive motor
- Smooth start from 0 km/h. Seven levels of acceleration
- Clear to use and ergonomically placed user terminal for safe and easy operation (several default or custom test profiles and exercise profiles)
- Low height track access ideal for clinical applications
- Wireless heart rate control system (heart rate receiver) for beat to beat measurements

## Accuracy/Reliability/Safety

- Individually selectable acceleration and deceleration levels range (from 0 to maximum speed from extremely slow to extremely fast)
- High speed and elevation range accuracy
- 3-phase AC motor (on a subset of models) allows accurate and repeatable results at higher intensities also for heavier athletes and for many special applications (avoiding thus major speed drops during the athletes landing phase)
- Medical models meet the main technical safety standards and legal demands for medical applications (CE0123, MDD risk class IIb)
- AC motor designed not to interfere with other medical equipment

## Data Management & Software

- **COSMED software:** all treadmills can be controlled directly through the OMNIA software (included with COSMED metabolic and ECG systems), allowing thus to perform a fully integrated cardio pulmonary exercise test
- **para control** (included on all models): it allows to control the treadmills via interface from a PC or laptop. More functions: cool down, quick stop, count-down, option settings, etc.
- **para graphics** (standard on T250, optional on smaller models): software to create individual graded test profiles with pre and after workload and pause time. The software monitors and records all load data
- **para analysis** (optional): software for performance diagnostics up to coaching with detailed training plan



## Options/Accessories

### Safety Arch with Fall Stop

- Indispensable accessory for stress testing, accident prevention and for the general safety of athletes
- Safety arch with different heights and widths to fit all running machines
- An emergency stop at the crossbar of the safety arch allows automatic stop of the running belt in the moment a fall occurs
- The harness and chest belt (available in different) secure the subject and prevents falling over to the front.
- Chest belt straps do not pinch or restrict the athlete

### Airwalk AP

- Body weight relief and fall protection during treadmill therapy / training
- Weight-relieved and / or secured balance training or secured walking exercises
- Speed training in fitness and competitive sports
- Ideal solution for gait analysis and rehab therapy with clinical patients (ie, obese, stroke, cerebral palsy, paraplegic, etc.)

### Performance

- Reverse rotation kit for downhill motion
- Speed extension available on a subset of models

### Handrails

- Handrail crossbar
- Lateral long handrails 2 pillars
- Adjustable handrails
- Arm support with additional keyboard and additional stop-button
- Additional emergency-stop-button (on handrail)

## Connectivity

- Best possible compatibility with up to 4 communication ports
- RS232/analog and USB/RS232 available as optional equipment
- Interfaceable with any COSMED metabolic and ECG systems, providing the possibility to perform complete and fully integrated Cardio Pulmonary Exercise Tests
- Print test sessions with a directly connected printer

## Applications

- Pneumology
- Cardiopulmonary Rehab
- GAIT Analysis
- Kinesiology
- Orthopedics
- Pre-Operative Assessment
- Sport Science Academics & Research
- Human Performance Centers
- Elite Athletics
- Olympics
- Professional Teams
- Public Safety



Full functionality is guaranteed by stable platform and slip free belt for natural walking or running motion.



Unweighting system (Airwalk AP) for rehabilitation and for physiotherapy applications



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