

## FEATURES & BENEFITS

### PROMOTES NATURAL GAIT

- Accommodates crossover gait and side-to-side movement on the treadmill
- Eliminates the tendency for people to widen their stance and alter their gait as is the case with a side-to-side split belt\*
- Synchronized belt speeds and a minimal gap for a smooth transition between belts

### USB DIGITAL INTEGRATION

- Smart platform technology and USB integration with all leading motion capture software

### MOVEABLE FOR MULTI-PURPOSE LABS

- Caster wheels can be re-attached as needed, allowing for easy relocation within lab space

### OPTIMIZED FOR BIOMECHANICAL APPLICATIONS

- Optional StrideWorks software resolves front/rear forces into left/right forces which can be streamed in real-time into all leading motion capture software
- Two 6-axis force platforms (8900N capacity) provide independent forces for each limb even during double-support gait phases
- Bidirectional belt speed up to 19.3 km/h
- Removable handrails for maximum visibility of motion capture markers

### ENHANCED MECHANICAL PERFORMANCE

- A high frequency structure for reliable data during walking and running
- Long-life bearing system

\*Altman, et al., Gait Posture. 2012 Feb; 35(2): 287-291.

## SPECIFICATIONS

Integrated Force Plate Specifications	
Vertical Force Plate Capacity	8900 N
Horizontal Force Plate Capacity	4500 N
Installed Force Platform Resonant Frequency	300 Hz (Fx, Fy)
Linearity	±0.2 % full scale output
Hysteresis	±0.2 % full scale output
Treadmill Specifications	
Maximum Speed (Bidirectional)	19.3 km/h (12 mph)
Structural Resonant Frequency	120 Hz
Working Surface of Each Belt	75 (L) x 61 (W) cm
Total Working Surface	150 (L) x 61 (W) cm
Deck Height	30 cm
Overall Dimensions (Including Handrails)	203 (L) x 117 (W) x 128 (H) cm
Side & Horizontal Front Handrails	Removable
Vertical Front Handrail Supports (Removable on non-incline model)	Two posts, 91 cm high and 91 cm apart
Weight	400 kg
Maximum Treadmill Inclination (Optional)	25% grade (14 degrees)
Moveable within Lab Space	Caster wheels (as needed)
Power Requirements	
208 VAC, 3-phase, wye-connected, 20-Amp service, 50/60 Hz*	
Available Software	
StrideWorks Software	Convert front/rear forces into left/right; Stream into MoCap
Software Development Kit (SDK)	For incorporating treadmill into proprietary systems

\*For other power availability, please contact AMTI.



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CE ISO 9001 certified

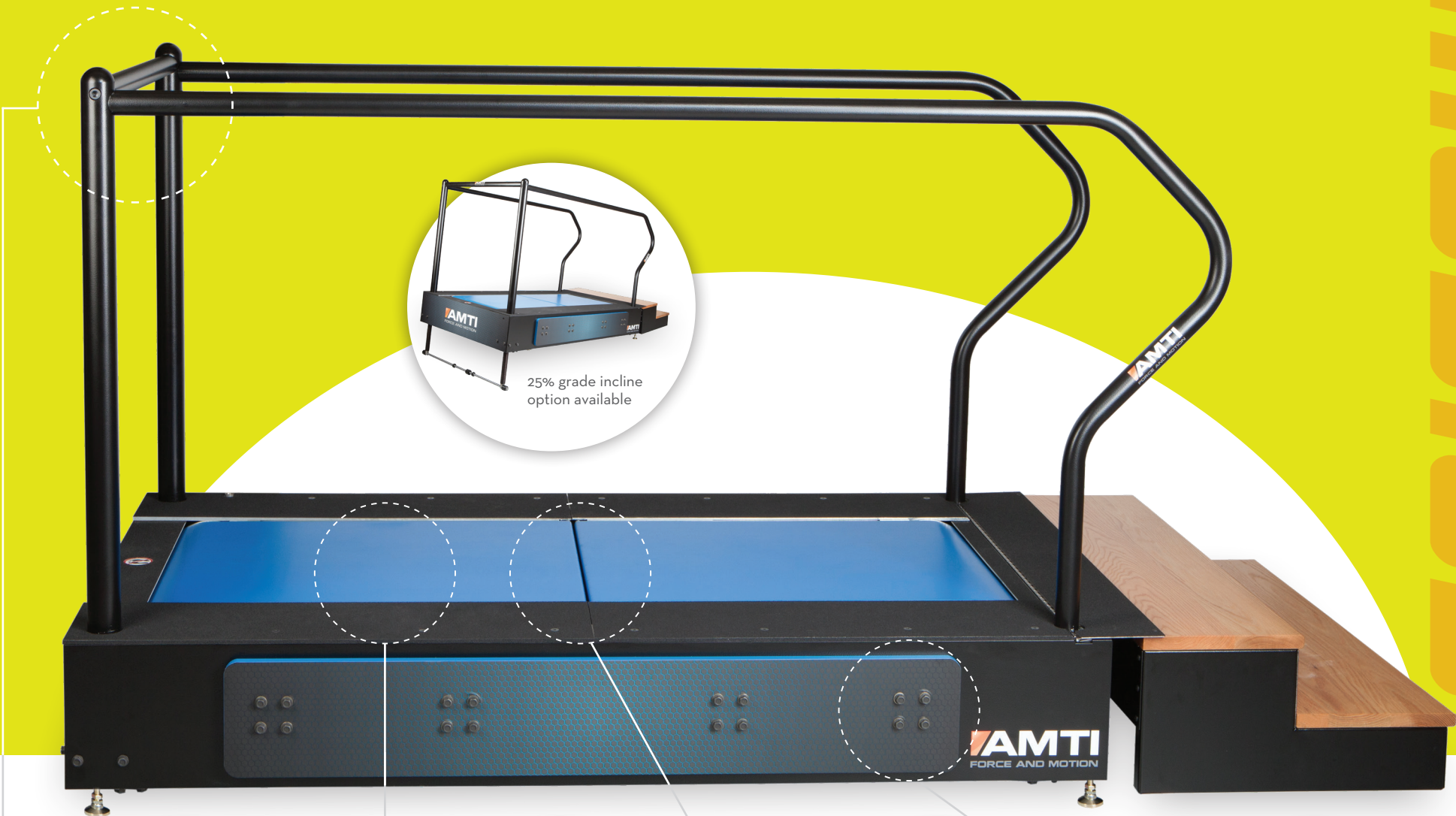
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MOBIUS Tandem Treadmill Brochure-rev3

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# MOBIUS TREADMILL



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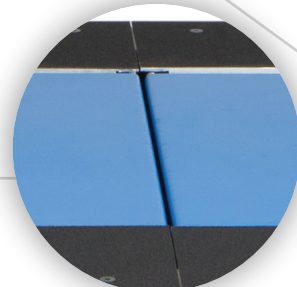
25% grade incline  
option available



Removable Side Handrails



Dual Wear-Resistant Belts



Front/Rear Belts Promote Natural Gait



High-Frequency Structure