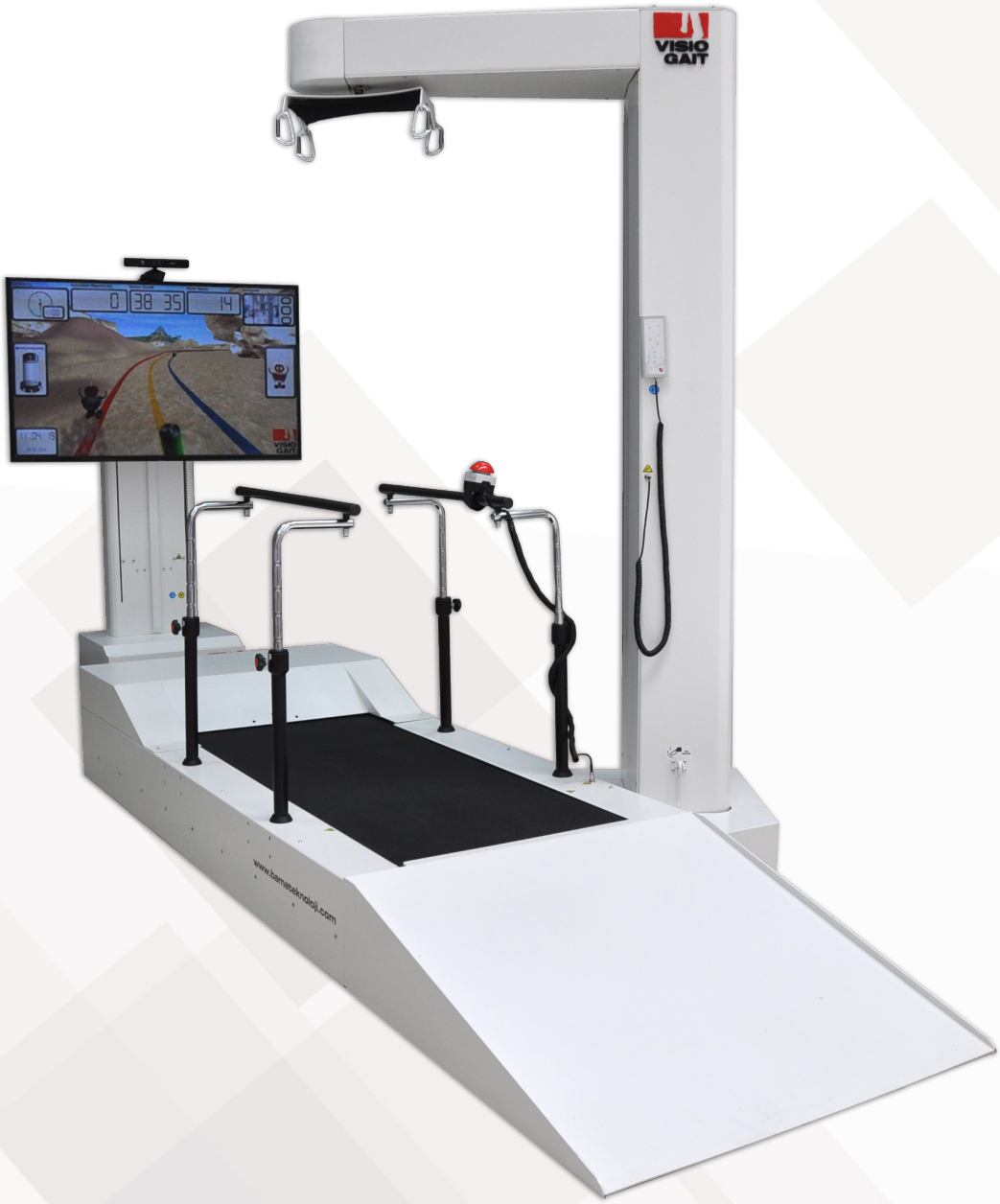
VISIO GAIT®

*enjoyable & **effective** **gait** excercises*



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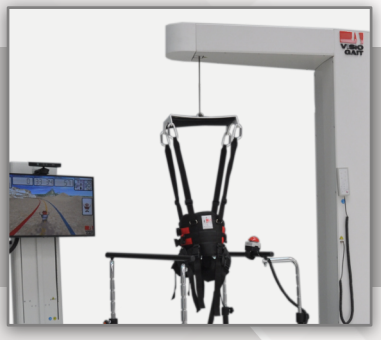

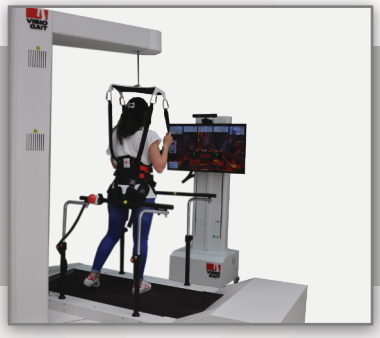

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VisioGait® is an interactive rehabilitation concept which is developed dedicately considering the losses emerged in patients after cerebrovascular accidents.

The product offers a comfortable and safe therapy medium and a platform that makes sessions more focused and amusing both together.

With its ease of use and power of motivation, VisioGait® provides effective results on plegia and paresis. It also brings great advantage on the process of regaining control during the transition through gait training for walking problems stemming from neurological and other diseases.

VisioGait® is equipped with sensors that tracks the positions of the joints and weight distribution of the patient. Data gathered from the sensors is processed by a Visual Motivation System (VMS) which is a specially developed software for rehabilitation purposes. In this way, the patient can fulfil the tasks induced by animation on the screen by appropriate body moves.

The software provides the opportunity to prioritize or concentrate on target limbs and target motion patterns. Patient activities are controlled by an interface that physicians and physiotherapists can easily understand and use. In this way, while the contribution is kept in its maximum level, it is also possible to gather gait coordinated development in upper body functions. The system also allows weight-bearing and stance -balance control for the patient prior to the beginning of the therapy.

Joint trajectory tracking
With Kinect™ on the VMS unit, alt he joint positions of the patient body are always tracked.

Center of gravity tracking
With the force sensors underneath the treadmill, the position of the center of gravity of the patient body is always tracked.

Weight distribution tracking
With the force sensors in the lift and treadmill units, weight portions on the rope and the ground are always tracked separately.

Ultra-low speed treadmill
Treadmill speed can go down to 0.1 km/h.

Repositionable VMS unit
Since the VMS unit can be positioned anywhere around the treadmill, it is possible to do applications of sideways-walking and backward-walking.

Gait parameter tracking
On the VMS screen total step count, total distance and total energy consumption parameters are always tracked.

Different difficulty levels
All the games on VMS have adjustable difficulty level.

Different density levels
All the games on VMS have adjustable density level.

Remotely upgradable software platform
VMS can be updated with newer versions via the internet.

Wide user range
The device is suitable for both pediatric and adult patient groups.

Technical Specifications

CE

Max. Patient Weight	140 kg	Display	43” LCD
Max. Patient Height	200 cm	Space Requirement (L x W x H)	5 m x 3.5 m x 2.4 m
Treadmill Speed	0.1 – 5.0 km/h	System Weight	~950 kg
Treadmill Dimensions	150 cm X 70 cm	Mains Connection	2 x 220 - 240 VAC/ 50-60 Hz

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