

# Dividat Senso

Cognitive-motor training



# Training system to simultaneously enhance physical and cognitive functioning

The Dividat Senso forms the basis for the interactive cognitive motor training. In controlled training programs, physical and cognitive functions are simultaneously promoted by means of modern technologies. Sensors dynamically capture center of pressure, force and steps in combination with the Dividat Play intelligent software, gross motor movements are linked to a personalized cognitive task.

## **Dividat Senso in brief**

- High resolution movement capture in real time
- Visual acoustic and tactile stimuli and feedback
- Intelligent software environment for a personalized training
- High quality equipment and aligned to norms (MDD 93/42/EWG)

## **Scientific relevance and transfer to everyday life**

While interacting with the environment by moving, human beings experience various stimuli. These stimuli are transferred to the central nervous system, processed in the brain and a movement plan is defined. Through structural and functional adaptations of the organism, the interactive cognitive motor training on the Dividat Senso supports this process in humans of recording, processing and transmission of stimuli. The corresponding execution of movement is improved. Several scientific studies proved that technology assisted interventions which link cognitive challenges to motor tasks in virtual environments pursue the goal of achieving steady gait most efficiently.

The Dividat Senso meets the requirements of medical device directive 93/42/EWG



Spinoff ETH zürich

 swiss made software



Get to know the Dividat Senso personally. Contact us for a demonstration in your facility.

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