The Prorobot automated gait trainer is an active medical device designed for the rehabilitation of the lower limbs pediatric patients with walking disabilities. The device is equipped with two movable orthosis, in which are mounted lower limbs of the patient. Precisely mapped scheme of the healthy human gait performed by the device is transmitted to the patient. The therapist leading treatments is to use 5 programs of exercise: walk, sit-ups, swings, bike and walking up the stairs. The design of the device allows the fastening of the patient in the sitting position and its automatic verticalization. The patient may exercise in both the full load legs and partially unloaded. Patient size is not more than 50kg, and increase the range of about 120-150cm.

Prorobot applies: for patients suffering from impaired conduction and neuromuscular dysfunctions of the musculoskeletal system (bones, joints, soft tissue) with varying degrees of severity, in which the motor dysfunction are mainly attenuation and muscle spasticity and neuromuscular coordination disorder. The device can also be helpful in upright position and teaching initiation of movement.

With the Prorobot device it is possible to intensify therapy by stimulating the repetitive motion, normal gait pattern, which patients have a greater chance of rapid progress in learning and / or reeducation of gait. This entails an increase in the chance to become self-sufficient in terms of movement and improving the functioning of the child's body.

In October 2015 an assessment was done of the ability of the Prorobot to play programmed gait pattern using 3D kinematic analysis system "Vicon" in the Department of Biomechanics at the Krakow Academy of Physical Education. The evaluation showed consistency and high precision operation.

The manufacturer has entered into agreements with two universities in the country in the validation studies, seeking to prove the effectiveness of the device in different disease entities and to develop optimal therapy for each of the diseases.

The device appears to be a desirable option for European rehabilitation centers for children due to the increasing efficacy of traditional through the introduction of innovative therapist tools.