

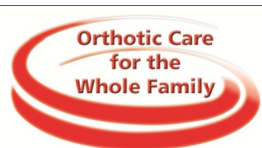
## WHO WE ARE

Established in 1997, Advanced Orthotic Designs (AOD) is a Canadian company that specializes in the design, fabrication and fitting of complex orthopedic devices for persons with physical disabilities. Recognizing that each client has individual needs, AOD designs and builds a wide variety of unique devices to meet those special requirements. We understand that no one device can satisfy all needs and therefore we draw from a wide variety of technology to fabricate a device for each client.

We service people with a broad range of disabilities, including: Cerebral Palsy, Spina Bifida, MS, stroke, sports related injuries, arthritis, foot pathologies and other orthopedic conditions.

AOD is the most experienced facility in North America with gait training orthoses. The SMART Walker™ was designed and is manufactured by AOD, and has gained international interest. On-site training courses are offered to certified/qualified practitioners on how to assess and fit children with the SMART Walker.

Our mission is to provide families and clients with the highest standard of orthotic care, maximizing their individual potential and quality of life. We continue to expand our product line as needed to determine the most suitable device for each client in consultation with the family and other health care professionals.



## REFERRALS/FUNDING

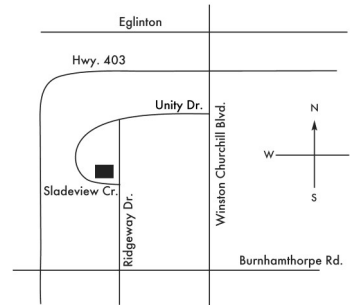
Individuals wishing to utilize our services for the first time for orthotic care must have a medical referral. Families wishing to have their child considered for mobility devices should contact AOD to discuss their child's suitability.

AOD is a registered vendor with the Assistive Devices Program (ADP) through the Ontario Ministry of Health. For Ontario residents, the cost of many orthotic devices is partially funded by ADP with the remainder covered by the family, funding agencies or private insurance policies. ADP does not cover the cost of the SMART Walker. OHIP does not cover any of our services. Certified Orthotists are the only practitioners in Ontario authorized to bill ADP directly for orthotic devices. AOD is also a registered vendor with the WSIB.

### ADVANCED ORTHOTIC DESIGNS INC.

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(evening appointments available on request)



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Email: [canwalk@aodmobility.com](mailto:canwalk@aodmobility.com)

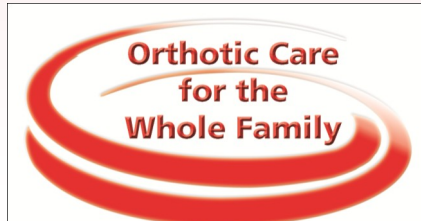
Web: [www.aodmobility.com](http://www.aodmobility.com)

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**ADVANCED  
ORTHOTIC  
DESIGNS INC.**

## SMART Walker™ Orthosis





### The SMART Walker™ Orthosis



The SMART Walker™ Orthosis is the latest development in gait training orthotic technology. It encourages a child with cerebral palsy, or similar physical condition, to learn to stand and ambulate with hands-free support.

The device is comprised of two main components: a customized brace that fits around the child's trunk and lower limbs, and a sturdy wheeled frame available in different sizes.

#### Benefits:

- Allows hands-free mobility and grows with child.
- Provides guidance and control of lower limbs.
- Provides opportunity to learn to walk.
- Enhances child's independence, self-esteem, and social interaction.
- Lets them explore their environment.
- Encourages gains in physical strength and endurance through graduated weight-bearing.
- Helps to facilitate bone growth.
- Provides exceptional support and positioning for standing and walking.
- Improves bowel and bladder functions.
- Value engineered componetry.
- Clinically and scientifically proven through related studies.

### How the System is Used

To make use of the SMART Walker Orthosis, the child is placed in the brace component which is then secured in the wheeled frame to a support attachment. The support mechanism provides the child with a regulated amount of lift support, which allows graduated weight-bearing, encouraging gains in physical strength and endurance.

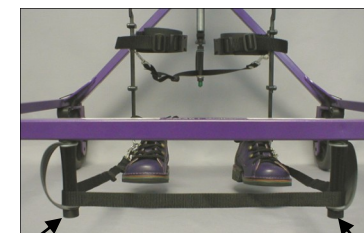


Additional components, combined with special features of the device, allow customization of the ambulation parameters for each child.

#### Some of the special features include:

- Snap release buckles for speedy application and removal.
- Brakes for additional safety and function.
- Adjustable steering control.
- Portability and adjustability for growth.
- Tool-free shoe attachment/removal.

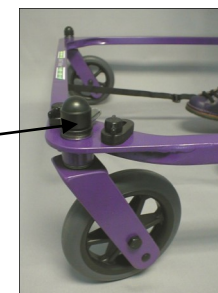
The SMART Walker can provide the suitable child with the opportunity to learn to walk and explore their environment like they never could before!



Dual anterior posts for limb guidance and routing shock cord or fabric straps to control scissoring forces.



Adjustable weight bearing support mechanism removes for portability.



Enhanced steering mechanism allows 0 to 360 degrees of control and unilateral adjustment.



The body brace component, which utilizes Pedro footwear, provides excellent control and support of the lower limbs and feet, preventing scissoring and excessive plantar flexion.