Hart Step

Hart Step is actuated by McKibben type artificial muscles attached on the unique position of the brace of Hart Walker in order to realize the smooth stepping of disabled children. The timing of expansion and contraction of the muscles is controlled by handy switch box and its easy operation enables children drive it by themselves.

Enjoy walking with Hart Step

Both girls cannot walk due to spina bifida, so it was the first experience to stand with good posture and step by themselves.

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**System construction**

- **Hart Walker** (Original designe: The David Hart Clinic Ltd.)
- **Hart Step**
  - attachment kit
  - artificial muscles with controller
  - air compressor (silent)
  - reserve tank

**Team Hart Step**

- **Technical and Engineering Support**
  - Professor Dr. Hiroshi KOBAYASHI
  - Dept. of Mechanical Engineering, Tokyo University of Science

- **Manufacturer**
  - KANDA TSUSHIN KOGYOU LTD.

- **Logistics**
  - Tobe Electric Ltd.

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Hart Walker™ is the registered trademark
Hart Step is now registering of trade mark. The design of Hart Step is now registering.