



New 7 DOF option for PHANTOM® 6DOF devices:

- 7 DOF positional sensing
- 6 DOF haptic feedback

A new handle design for the PHANTOM 6 DOF family of haptic devices* enables attaching interchangeable end effectors that provide pinch functionality. Take advantage of all the benefits of a full 6 DOF haptic controller plus a new option to add two different pinch grips or your own custom grip. The new handle will also be available for existing 6 DOF systems with a factory-based retrofit.

** 1.5/6DOF, 1.5HF/6DOF and 3.0/6DOF*

New redesigned handle that enables:

- Easy interchange of end effectors
- Customization of end effectors of your own design

The new handle for the PHANTOM 6 DOF family of haptic devices makes it easy to snap-on different end effectors. Choose the new optional end effectors from SensAble or design and create your own. An end effector customization package (a plug-in adapter that includes a potentiometer) is available, and makes it easier to add a user-designed end effector. Technical specification drawings are available upon request.



*Pinch-capable PHANTOM 1.5 High Force/6DOF with thumb-pad end effector
Note: Units now ship with chrome components***



Redesigned 6DOF handle with end clip open

New snap-on end effectors from SensAble – Thumb-pad & Scissors

The thumb-pad and scissors are the two new snap-on end effectors for the redesigned 6 DOF handle. Both end effectors have a comfortable workspace, high position resolution, and are designed to be compatible with the OpenHaptics® toolkit**. The pinch functionality is currently supported on Windows® XP 32-bit and 64-bit.

Technical Specifications:

- Range of motion: 45 degrees
- Encoder resolution: <0.1 degree
- Force feedback: none



Thumb-pad snap-on end effector



Scissors snap-on end effector

** Requires OpenHaptics v2.0.x software. Scheduled availability: Q1 '08.

** Note: Units now ship with chrome components. If you are using these devices with optical tracking equipment, please contact SensAble.

Product specifications are for version 1.0 of the pinch functionality. Availability and product specifications are subject to change without notice.

Corporate Headquarters

SensAble Technologies, Inc.
15 Constitution Way
Woburn, MA 01801 USA
[t] +1-781-937-8315
[f] +1-781-937-8325
email: info@sensable.com
Web: www.sensable.com

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