

Smart Pyramid™



The Smart Pyramid was designed for use with standard prosthetic techniques. Implementation and integration of the Smart Pyramid into the prosthesis is as easy as using any pyramid adaptor.

This unique device **permanently** integrates into the prosthesis to facilitate on-going monitoring at regular intervals (e.g. 6 month checkups). Progressive diagnostic capability provides quantifiable demonstration of physiological and mechanical changes to support adjustments and product upgrades as required.

Compass™



Compass Master unit mates to the Smart Pyramid and provides power, wireless communications and orientation for the system. The software provides real-time gait analysis for the prosthetist.

What is Compass?

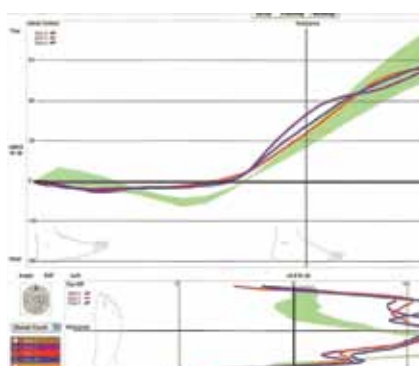
Compass is an easy-to-use, sophisticated instrument for clinical prosthetists. The Compass and Smart Pyramid work together during the fitting process and regularly scheduled office visits to continuously measure the dynamic forces and balance while the amputee is walking.

No laboratories, no special setup & no specialized staff are required for use.



STEP ONE

Click Compass Master Unit onto Smart Pyramid; Connect to PC/PDA via Bluetooth®



STEP TWO

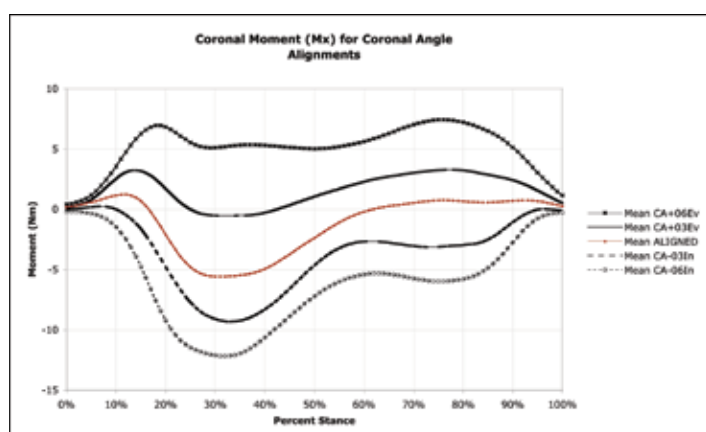
Capture gait data while walking with prosthesis



STEP THREE

Optimize alignment based on biomechanical analysis

Compass' quantifiable gait data, analyst software and instantaneous feedback provides concrete, explicit information to reduce socket forces, leading to a better fit and more comfortable prosthesis for many patients.



The graph above demonstrates how socket reactions change with alignment incremental modifications of 3° in the socket of a prosthesis. Each line represents one step with a different alignment.

These small alignment changes result in significant force changes within the socket - doubling the imposed forces on the limb. Such minute alignment variations can be difficult for the trained eye to observe during dynamic alignment.

Benefits of Permanent Integration of the Smart Pyramid:

- Allows future prosthetic intervention without disassembly
- Allows for continued use and evaluation of the performance of the prosthetic over its life
- Saves the clinician time
- Eliminates possible loss of alignment from the transfer process.
- Amputees can correlate the "feel" of the prosthesis with the graphic presentation of their gait throughout the life of the prosthesis.

SMART PYRAMID TECHNICAL SPECIFICATIONS:

Device Weight: 134 g

Pt. Weight Limit: 300 lbs

Build Height: Minimum of 17 mm required

Warranty: 1 year on Smart Pyramid

3 years on Compass Master

All software updates/revisions are free of charge

SPS Precision Alignment Training Courses

DATE

Jun 8
Aug 3
Sept 3

LOCATION

West Palm Beach, FL
Cleveland, OH
Chicago, IL

DATE

Sep 15
Sep 17
Nov 7

LOCATION

Sacramento, CA
Anaheim, CA
Atlanta, GA.

To Register, go online at <http://www.spsco.com/services/educational.asp> or call Kim Martin at 800.767.7776 x 173