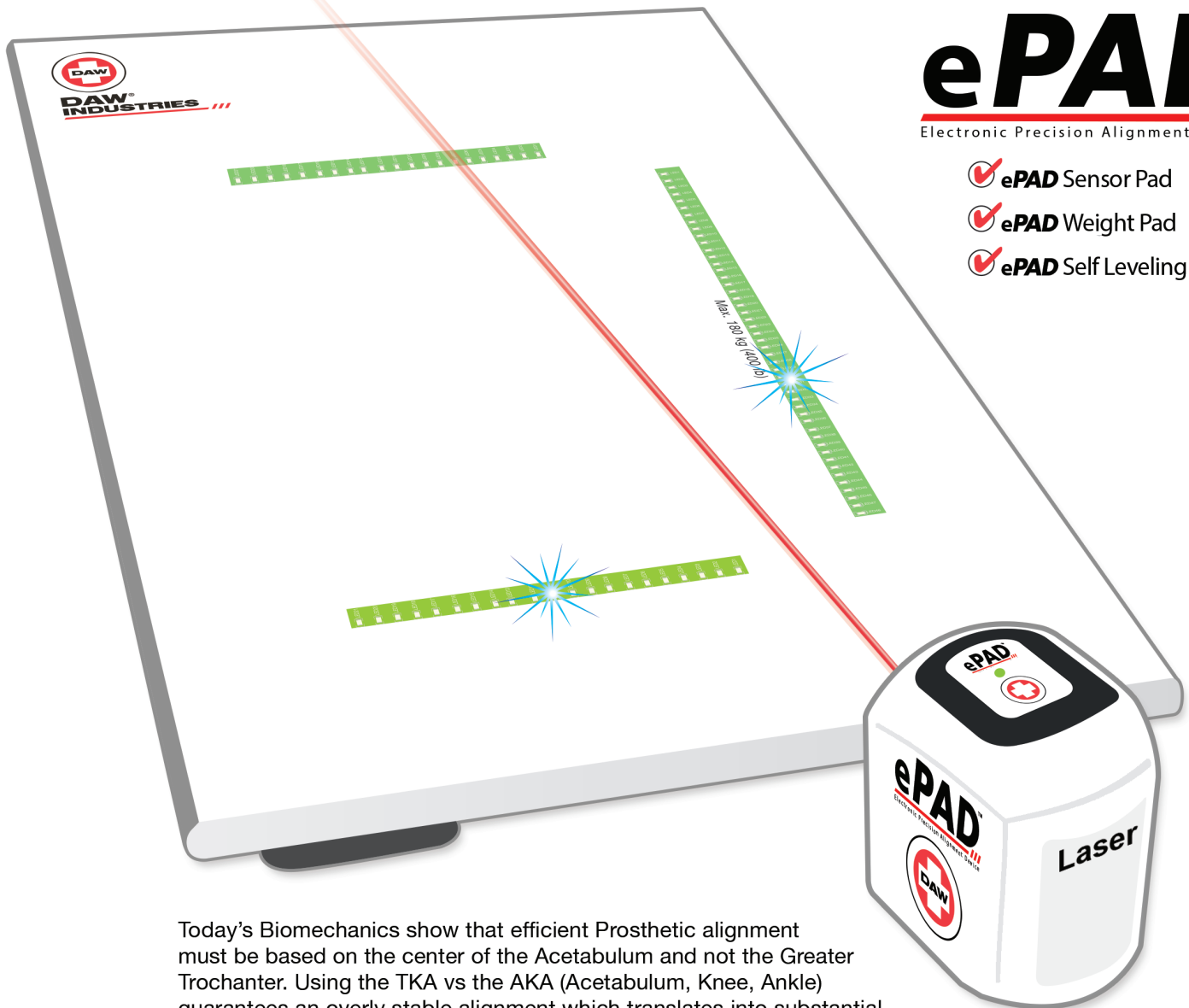


# ALIGNMENT

## THE SCIENCE



**ePAD™**  
Electronic Precision Alignment Device

- ✓ ePAD Sensor Pad
- ✓ ePAD Weight Pad
- ✓ ePAD Self Leveling Laser

Today's Biomechanics show that efficient Prosthetic alignment must be based on the center of the Acetabulum and not the Greater Trochanter. Using the TKA vs the AKA (Acetabulum, Knee, Ankle) guarantees an overly stable alignment which translates into substantial variations in Gait Pattern and Energy Consumption.

The ePAD allows cost effective precise location of the Center of the Acetabulum in both Sagittal and Coronal Planes. By precisely locating the true point of origin of the Ground Reaction Force (GRF) while ensuring equal weight bearing the ePAD points out the true location of the Acetabulum.

Applying this knowledge together with advanced polycentric technology will provide Amputees with an efficient and secure anatomical gait.



**DAW**  
**INDUSTRIES**

# ePAD: The Electronic Precision Alignment Device

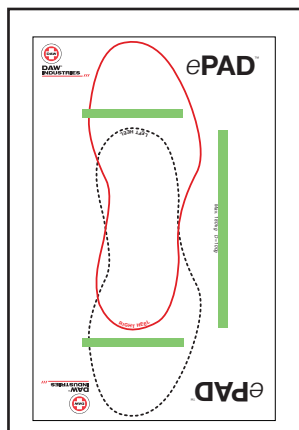
## What does it do?

For any force applied to the ground there is an equal and opposite force. This force is termed the Ground Reaction Force (GRF). In the case of the foot on the ground, it is the summation of all the forces applied by the foot to the ground. The GRF is a vector, it has a point of origin and a direction.

The ePAD Sensor Pad shows precisely where the “point of origin” of the GRF vector is located in Sagittal and Coronal Planes. In neutral Stance, when placed at the “point of origin” the vertical line produced by the self leveling laser goes through the exact location of the center of the acetabulum. It would be impossible to locate with precision without the ePAD. Efficient prosthetic alignment requires the proper positioning of the knee and ankle in relation to the center of the acetabulum.

The Weight Pad ensures even weight bearing on both legs, which is essential for an accurate assesment of the GRF Vector.

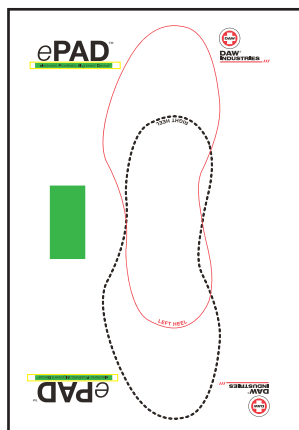
## Box Contents:



**ePAD Sensor Pad**



**ePAD Laser**



**ePAD Weight Pad**



**Charging Converter with Micro USB**



**DAW INDUSTRIES**

