

## Statement Artificial vs. Human Bones

Our bones are manufactured from specially formulated polyurethane foam comprising of a cancellous inner core and a harder outer shell simulating cortical bone. They have been developed primarily for orthopaedic surgical education and are designed to provide the “feel” of working with real bone with similar forces being required to tap and drill our models.

Although our bones do not have the same biomechanical properties of natural bone, which is stronger than our synthetic products due to its complex composition, we have had very favorable feedback from a number of biomechanical testing facilities who have compared our artificial bones with real bones. Additionally, during ballistics testing our products have been shown to fracture in a manner very similar to natural bone providing an excellent reproducible simulation.

In summary, our bones provide the feel of real bone and in some instances the mechanical properties of natural bone.

Malans, March 2007