



Case Study

Design & Development of Orthopaedic Surgical Instrument

Overview

A surgeon and institution approached Caragh Precision with an idea for a novel surgical device for manipulating bone during a surgical procedure.

Approach

Using our design and development process with stage gate approach we gathered all stakeholders' user needs. From here we generated a number of concepts utilising a number of idea generation techniques and created virtual models of each to aid visualisation. To maintain involvement with the surgeon concept reviews, design freeze reviews were conducted with his involvement. This also provided Caragh with end user feedback which is essential for good product design.

Outcome

A concept was successfully selected and progressed to prototyping. The prototype was developed and is currently in trials with a controlled selected group of surgeons.

Caragh Precision, Parkmore Business Park, Co Galway, Ireland

Tel: +353 (0) 91 755773 Email: info@caraghprecision.com Web: www.caraghprecision.com