

# CUSTOMIZED SOLUTION - INTEGRATED POSITIONING SYSTEM FOR HAND/WRIST EXAMINATIONS

Pearl Technology offers customized solutions for different fields in the medical device industry in terms of placement, positioning and fixation of patients.

## BACKGROUND

The WristView™ MRI System is a compact dedicated hand and wrist MRI system developed by Aspect Imaging - which ensures a non-claustrophobic, stress-free patient experience. This FDA cleared system is safe, and does not require either a specially shielded facility or cooling systems. The resulting high-quality images can be easily accessed by doctors from almost any point-of-care within medical facilities that would not normally have the budget or the specialized staff required to operate a full-body MRI scan.

For this project, Pearl Technology successfully developed an integrated positioning solution, designed to fit the anatomy of the patient's hand and providing a comfortable, even and stable immobilization throughout the entire exam.



## PROJECT OVERVIEW

### The Assignment

Development of an optimal positioning solution for hand/wrist examinations with the WristView™ MRI System by Aspect Imaging.

### Key Challenge

To develop a positioning solution for hand/wrist examinations which is directly integrated into the WristView™ MRI System and allows an easy adaptation to the patient's anatomy as well as accelerates the workflow significantly.

### Solution

An adaptable multi-chamber system, which is connected to the coil and can be operated directly through the user interface screen. Chambers filled with EPS pearls are designed to fit the anatomy of the patient's hand and allow a comfortable, even and stable immobilization throughout the entire exam.

