

Pinch And Pull Force Measurement

Customer:

UK based University

Loadcells:

F255-Z3031 10kg and F256-Z3032 40kg

Special Features:

Non-Ferrous construction, used within MRI scanner

A UK based University School of Sport Science required a force measurement system to measure pinch force when pulling against a fixed structure. The system would be mounted in a Magnetic Resonance Imaging (MRI) scanner and therefore must be of a non-ferrous construction. As the research budget was limited, the overall cost for the system was important.

Novatech was able to offer a low cost solution using two pre-existing loadcell designs held together using a removable fixing plate. This allowed flexibility to change the dimensions of the fixing plate or to use the two loadcells separately. Construction was aluminium with brass fittings to produce a system unaffected by the magnetic field produced in the MRI unit.

