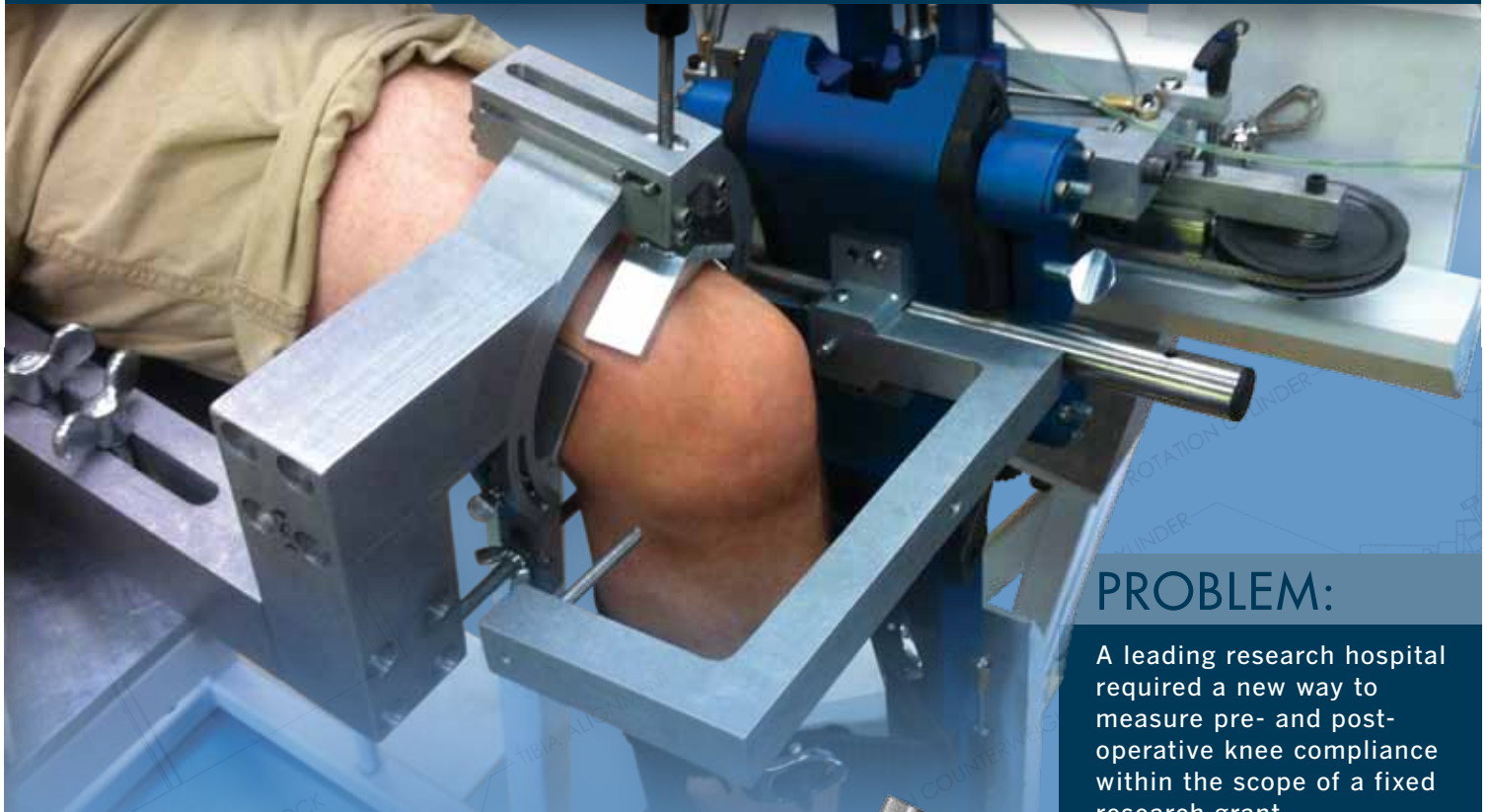




ACL MEASUREMENT DEVICE

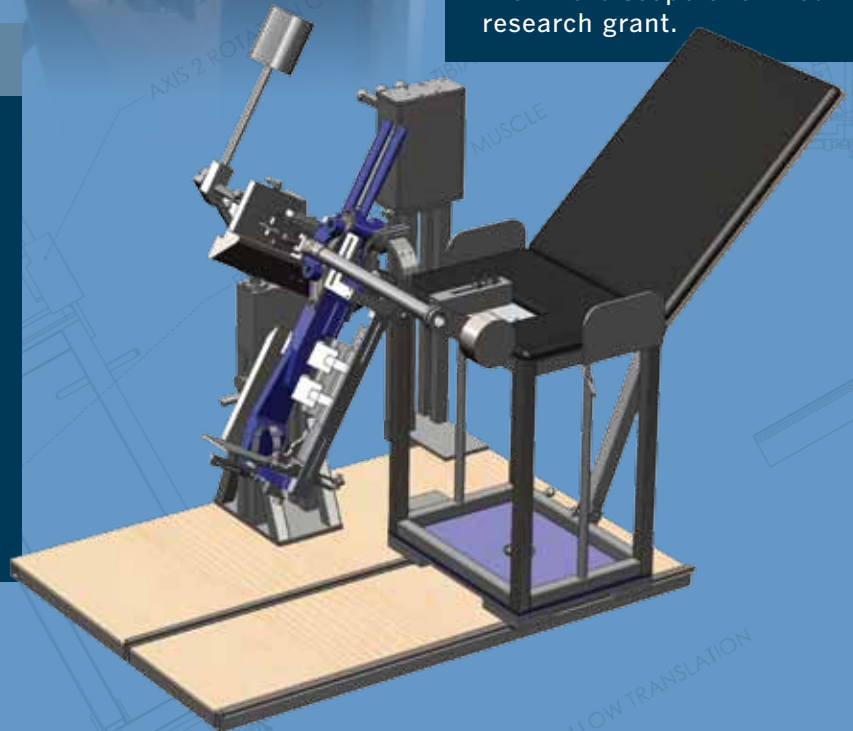


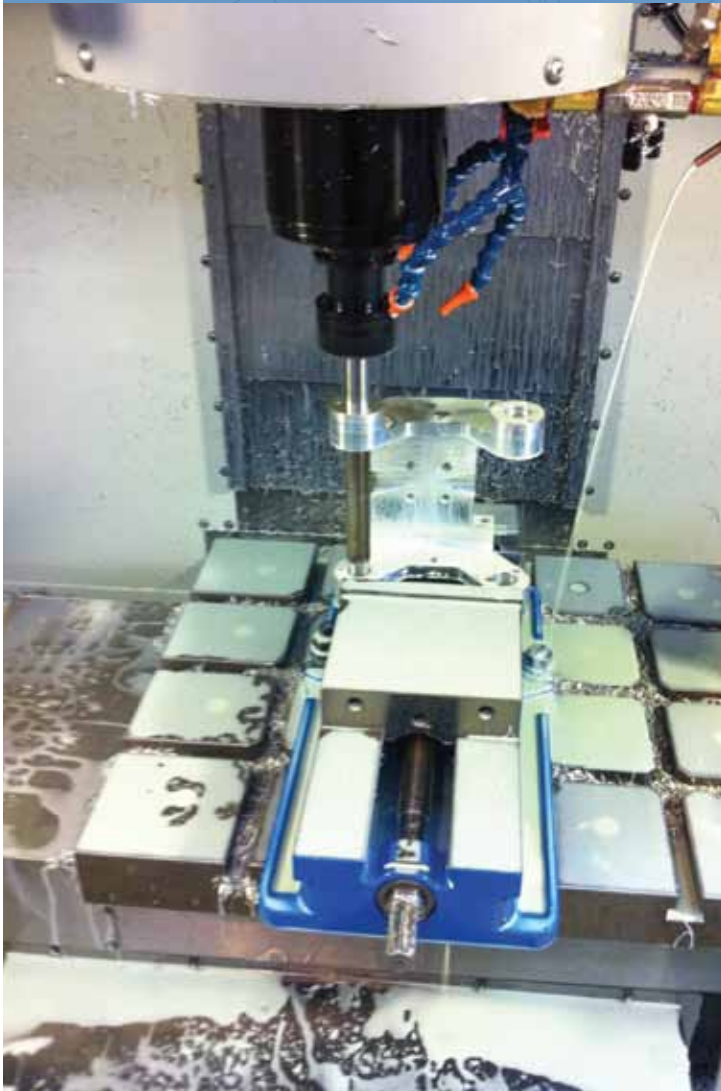
PROBLEM:

A leading research hospital required a new way to measure pre- and post-operative knee compliance within the scope of a fixed research grant.

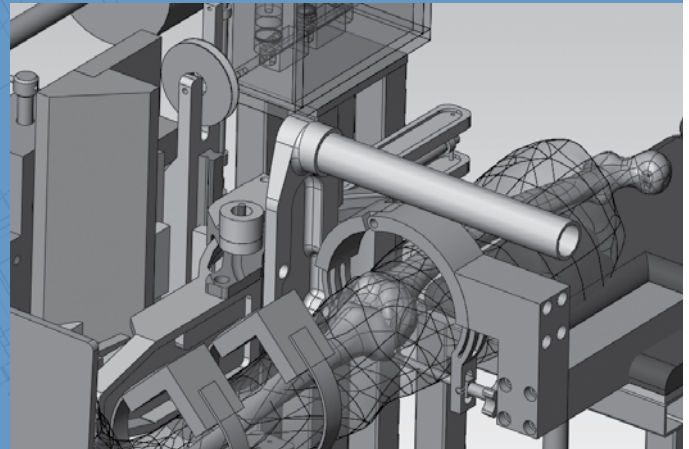
SOLUTION:

JAKTOOL leveraged its biomedical development experience, working with physicians and clinical researchers to create a first-of-its-kind measuring device that allowed physicians to precisely measure translational and rotational displacements with respect to the femur. Our unique solution focused on developing fixation methods that overcame the difficulty of working with soft tissue. To the highest degree of quality, tolerance, and engineered elegance, we developed, manufactured, and delivered a new product to market on time and within budget.

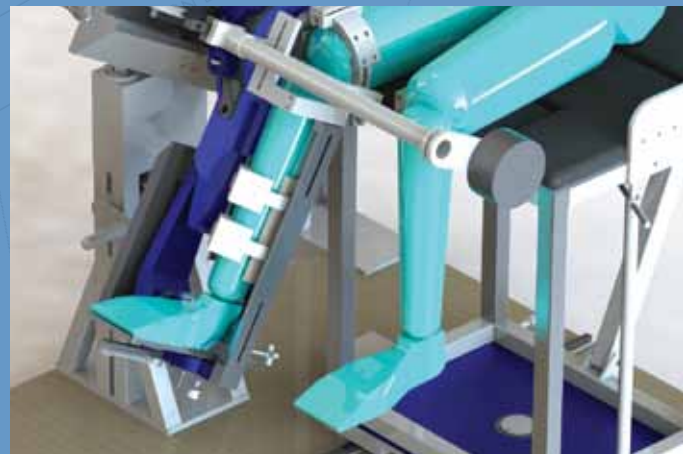




Curved linear bearings were designed and manufactured in-house



Anthropomorphic 3-D digital scans of bone and soft tissue locate femoral and tibial anatomical features for fixation



The ACL Measurement Device isolates and measures all degrees of freedom between the femur and tibia on the test subject

CONCLUSION:

JAKTOOL possesses the talent, experience, and expertise to develop and deliver the highest precision biomedical solutions available.