Accredited Mechanical Testing
As an A2LA ISO/IEC 17025:2005 accredited mechanical testing laboratory, RIHOF is equipped to perform standard tests, develop custom protocols, and generate detailed reports.

- Servohydraulic load frames with uniaxial and torsional capabilities; load capacity 1kN to 25kN
- 6 DOF Kuka Robot and simVITRO Software
- 3D motion tracking system
- Computer tomography and µCT capabilities

Bioskills Laboratory
The RIHOF bioskills suite provides a convenient, cost-effective, and confidential setting for cadaveric evaluations.

- Three necropsy tables and four arthroscopic stations
- Tissue removal, ablation, and cautery systems
- General and specialty surgical instrumentation
- Fluoroscopy C-arm with digital picture/video capture
- Full PPE and on-site sterilization capabilities

Biomedical Research
Through the combined utilization of the bioskills and mechanical test laboratories, RIHOF enables orthopedic clinicians and industry collaborators to conduct cutting-edge biomedical research in areas such as joint stability, fracture fixation, ligament reconstruction, range of motion and alternative surgical approaches

Market Analysis
By leveraging technical knowledge, industry experience, and relationships with key opinion leaders, RIHOF provides comprehensive assessments of and actionable insights into targeted technology sectors.

- Market sizing and segmentation for specific diseases and procedures
- Review of major market players’ product lines and IP portfolios
- Analysis of relevant scientific literature and clinical research
- Identification of landscape trends and sustainability strategies