

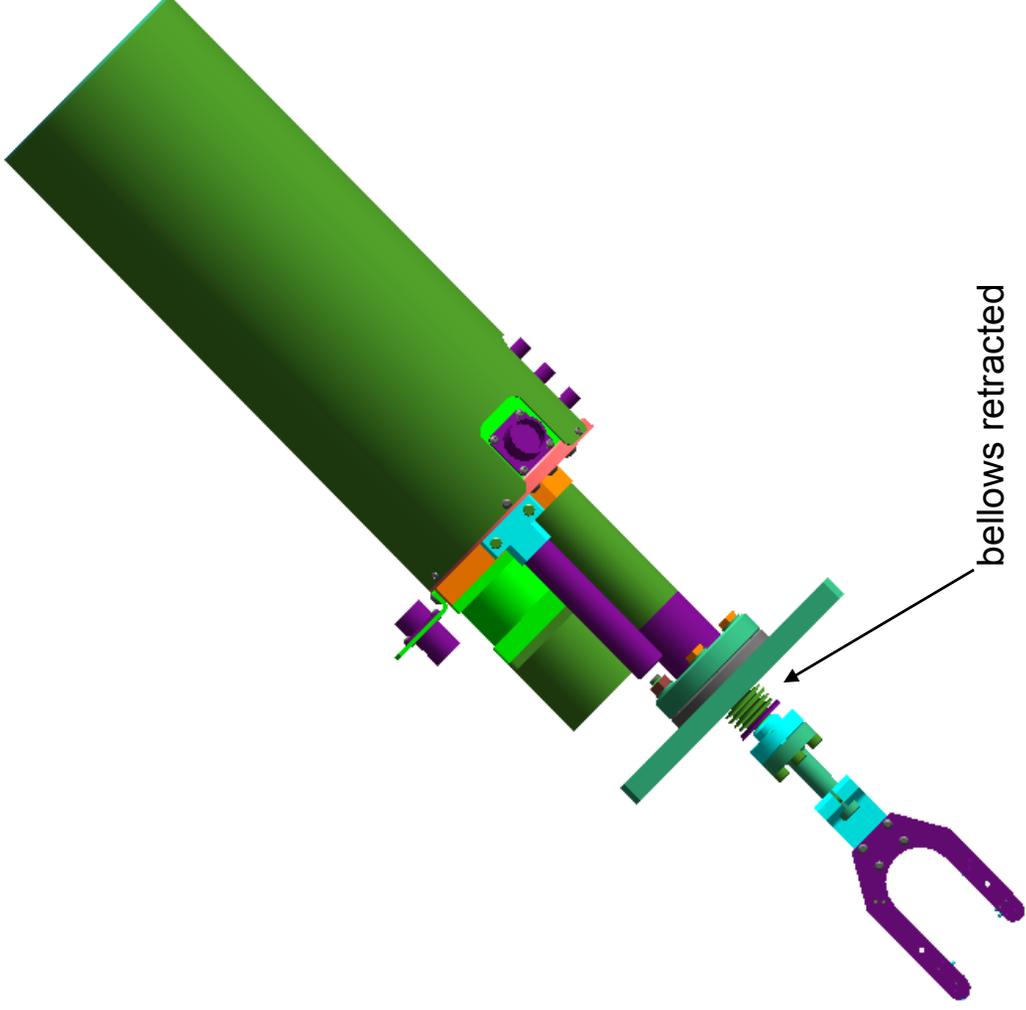


DTL & CCL Wire Scanners Mechanical Design Final Design Review

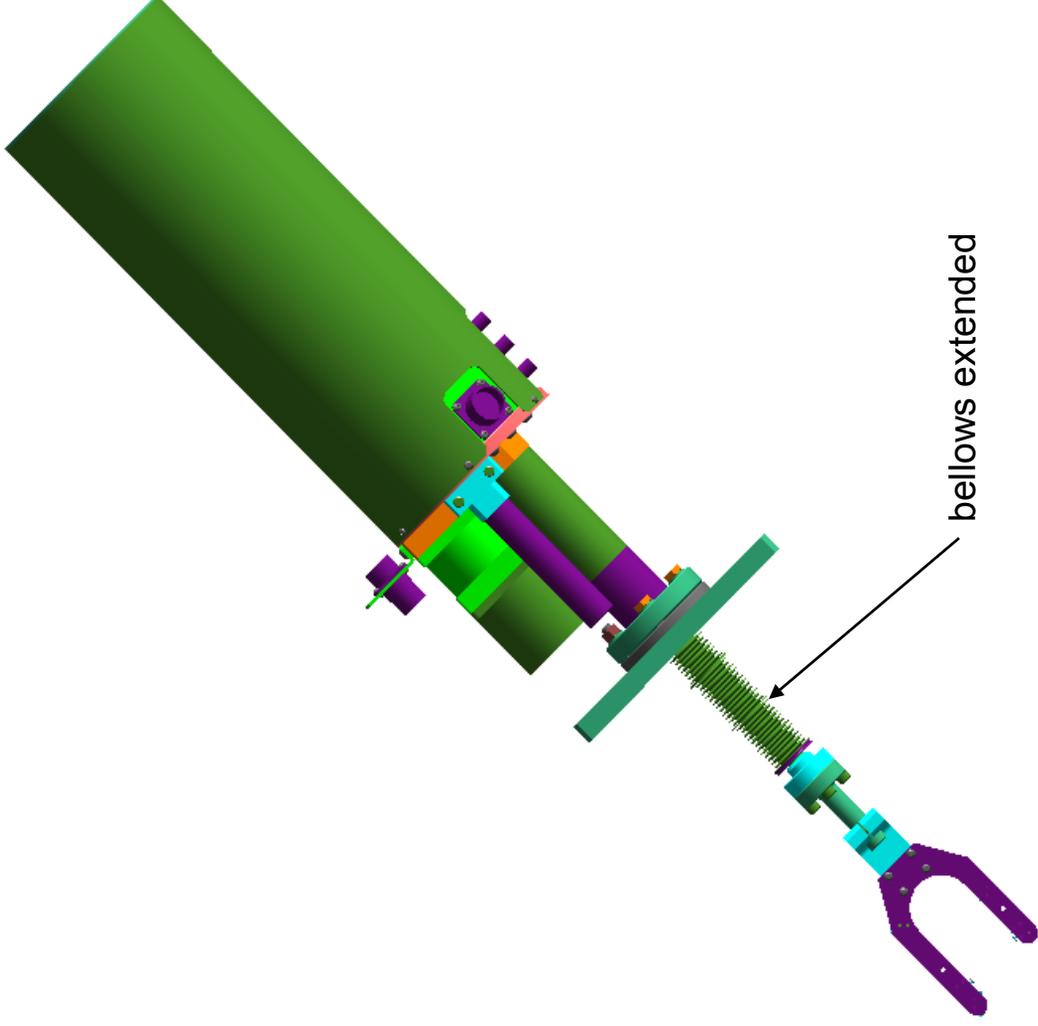
Los Alamos, Mar. 12, 2002

by Ross Meyer

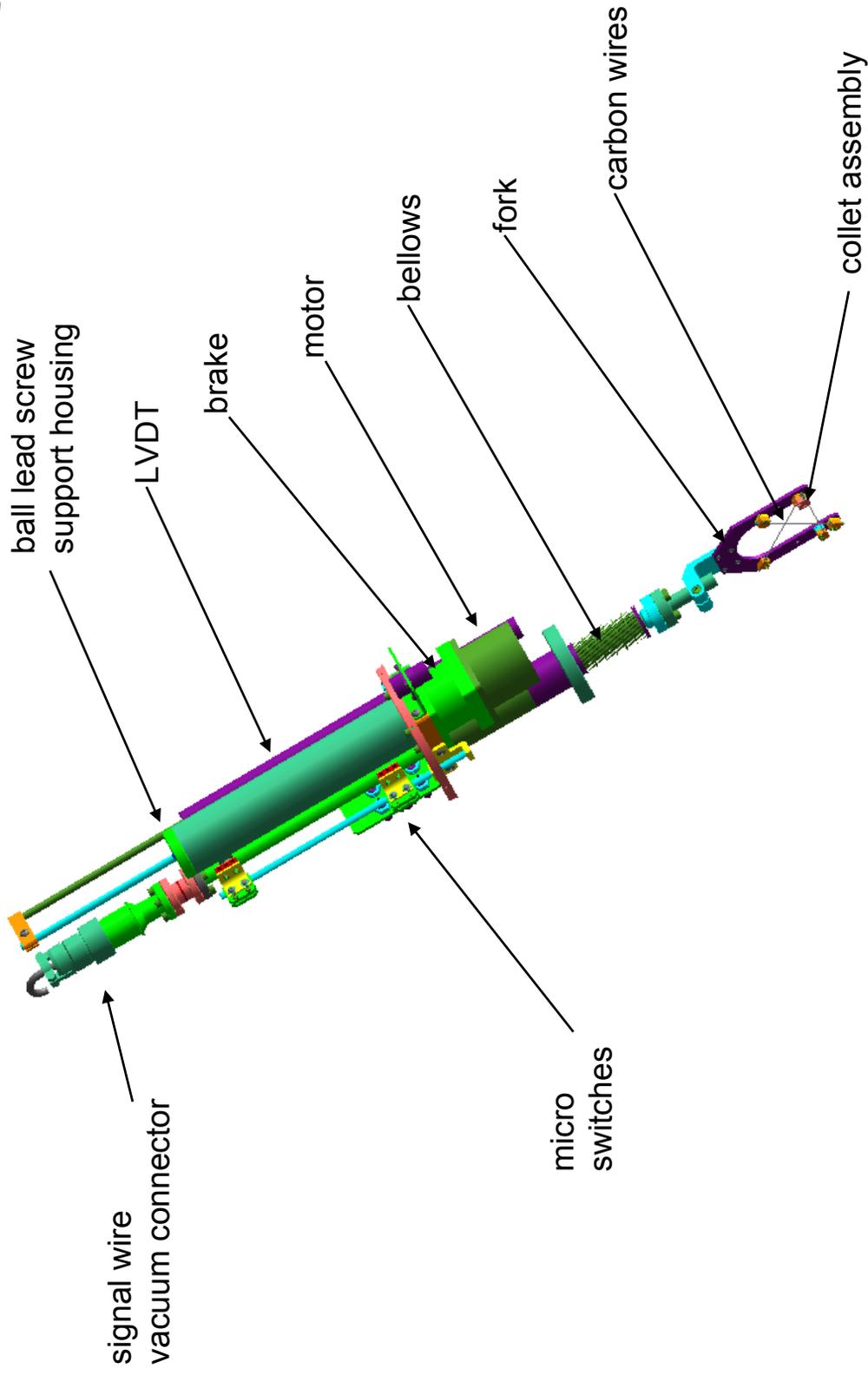
Huntington 3" stroke CCL wire scanner assembly



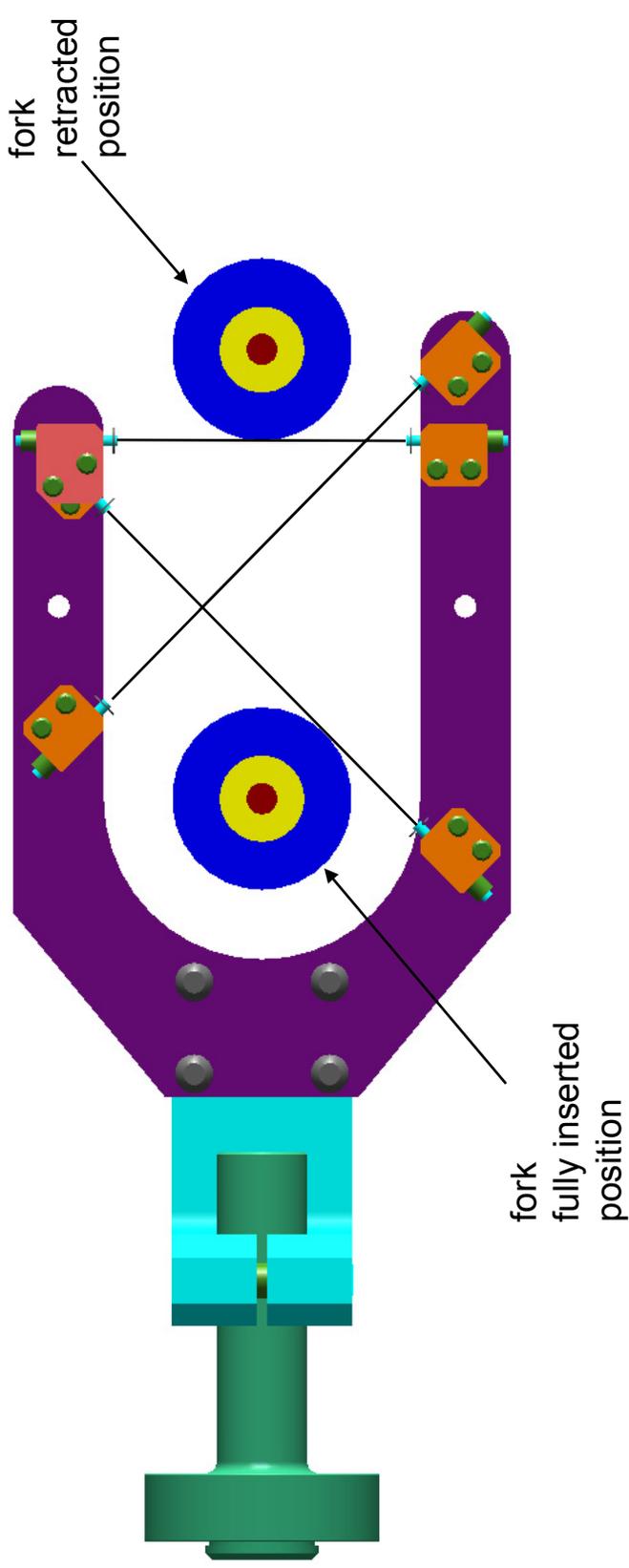
Huntington 3" stroke CCL wire scanner assembly



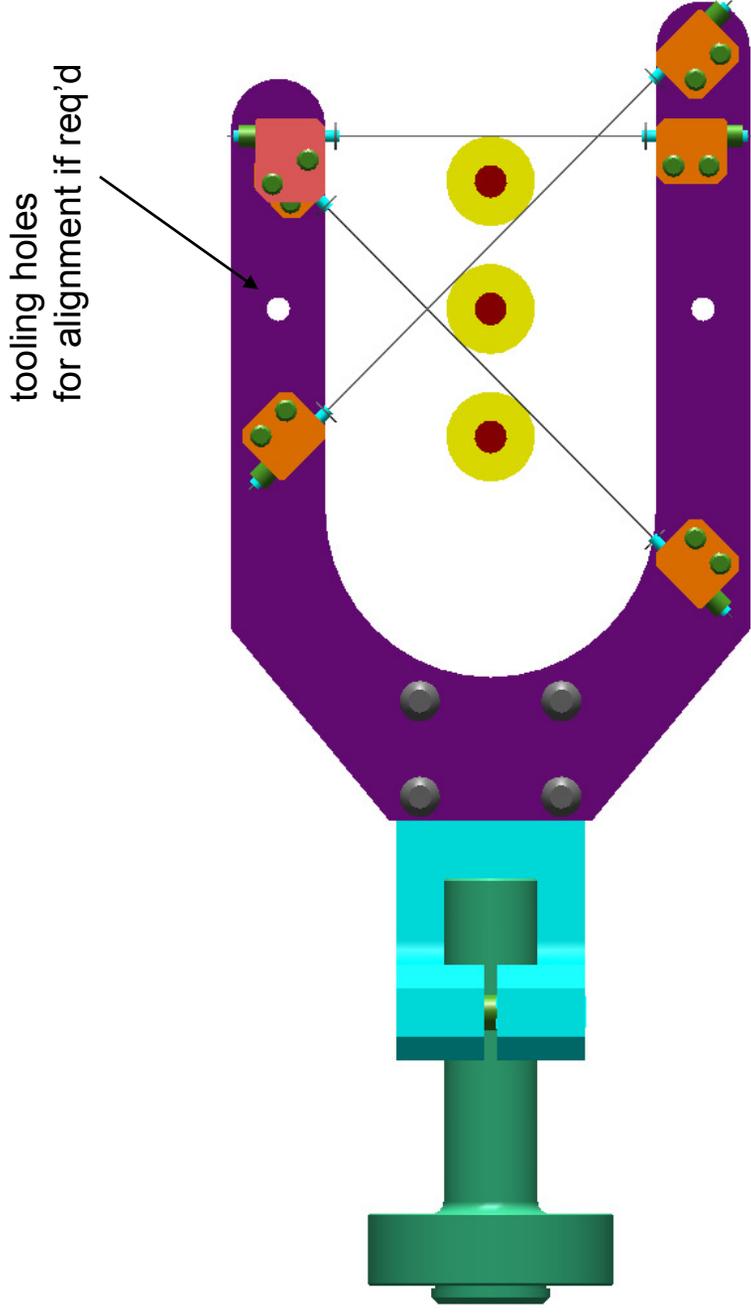
Huntington 6" stroke DTL, D-plate wire scanner assembly – cover removed



Wire scanner fork, wires clearing beam tube ID



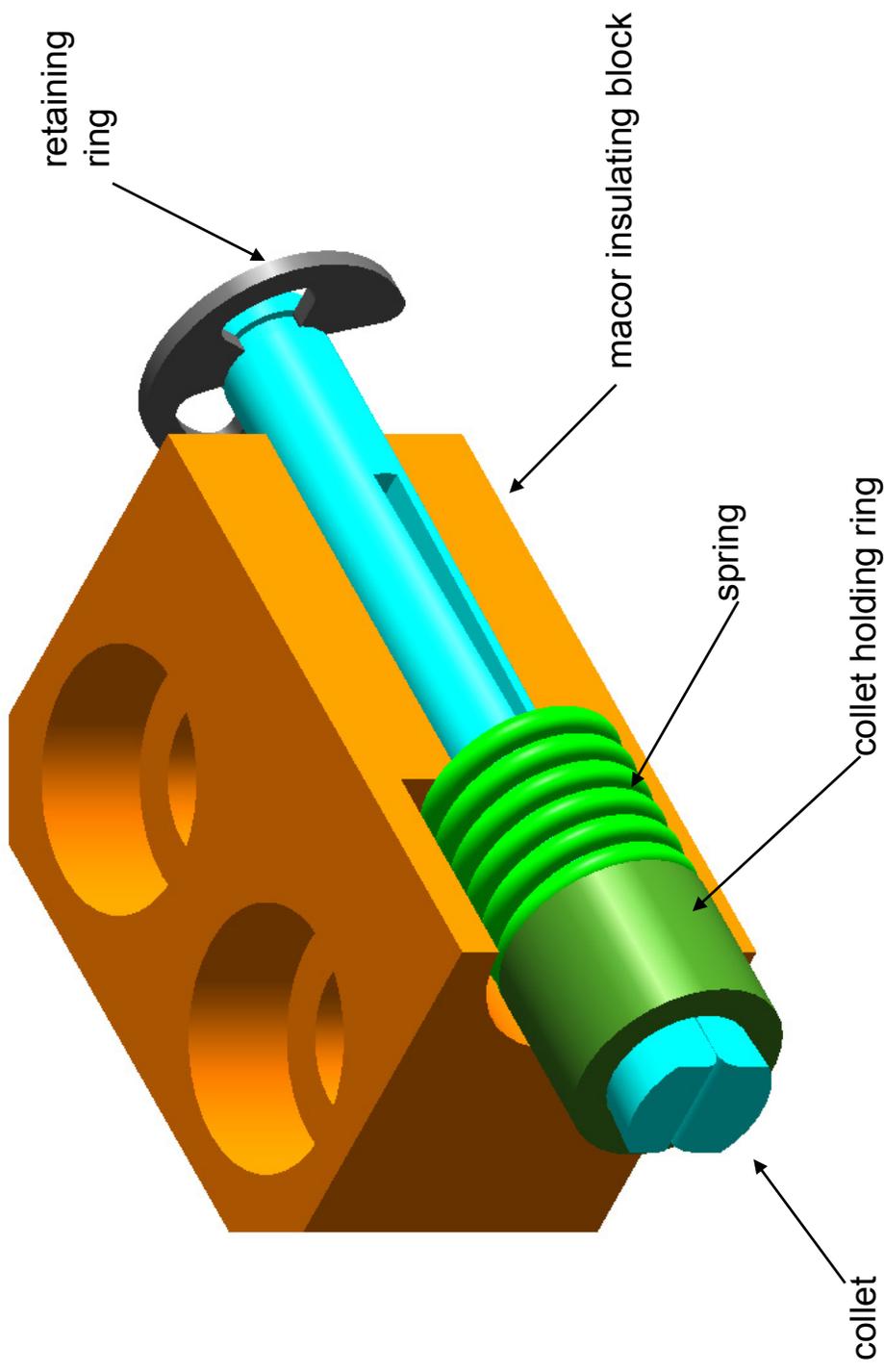
Wire scanner fork



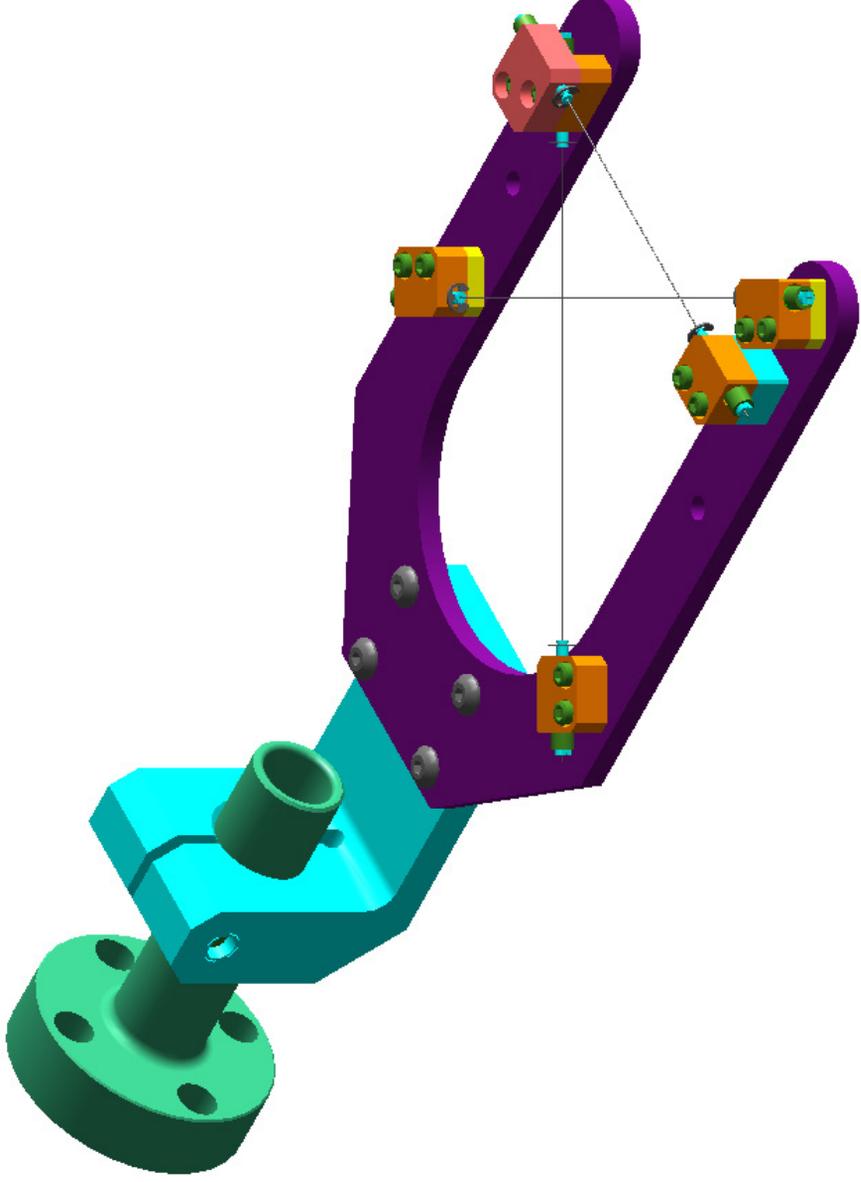
Wire scanner signal wire collet assembly



Typical for all wire scanner assemblies



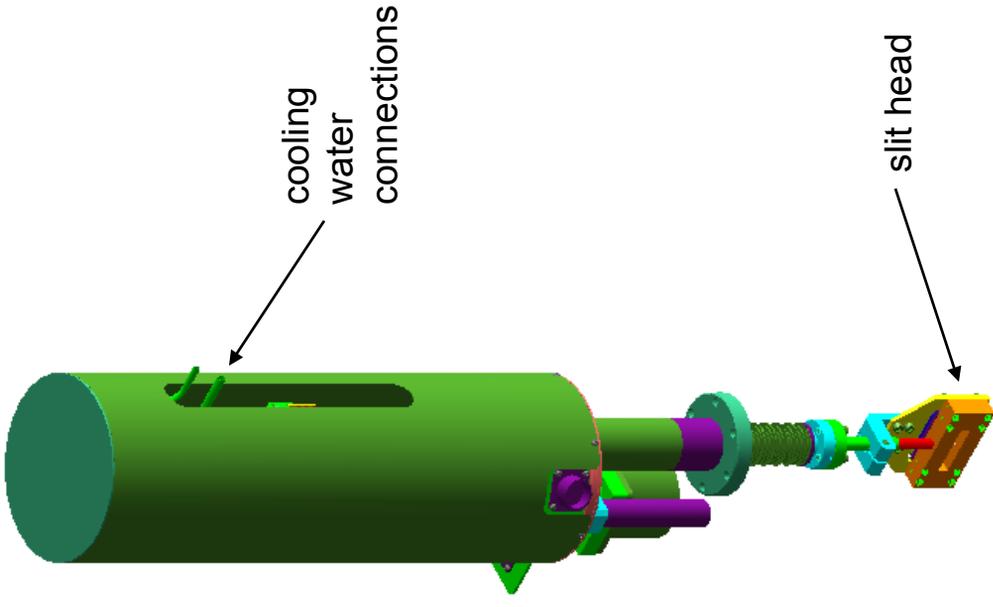
Wire scanner fork assembly for DTL, CCL, D-plate



Huntington 6" stroke X & Y slit assembly



Water cooled slit



Huntington actuator cycling tests



DTL & CCL wire scanners



- **Tested for 10,000 cycles with no problems.**
 - ▶ Estimate 8,000 cycles over 30 years of commissioning, operations, and development.
- **Fab next version of prototype**

Installation



- **LANL**
 - ▶ Send actuators to ORNL.
- **ORNL**
 - ▶ Carbon wire installation at LANL or ORNL – to be determined.
 - ▶ Install actuators on beam boxes.
 - ▶ System tests.