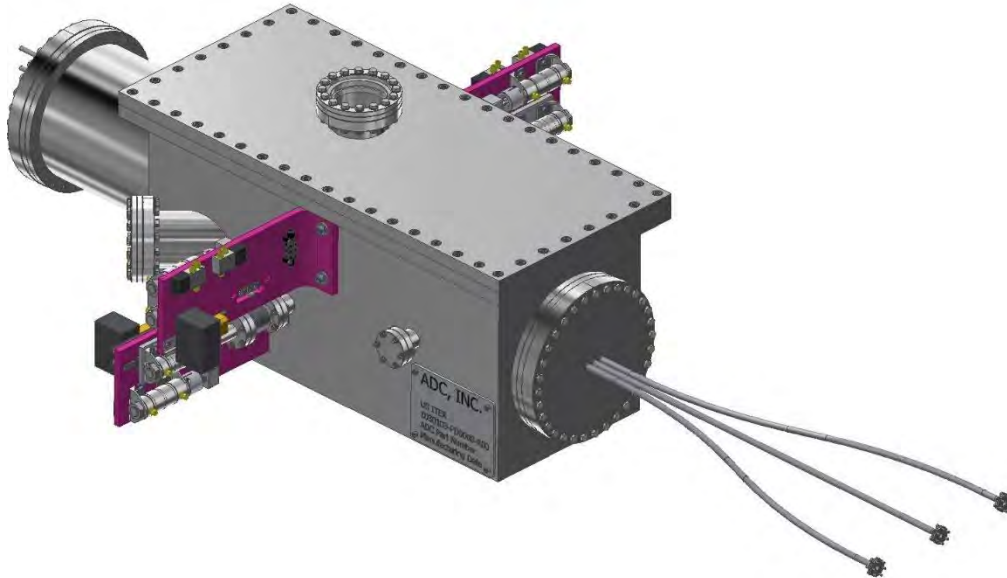


TER Pellet Selector



Customer:
UT-Battelle, LLC
c/o Oak Ridge National Laboratory
P.O. Box 2008, Bldg. 1055COM
OAK RIDGE, TN 37831-6483



ADC provided the design, engineering, procurement of material, manufacture, assembly, inspection, and testing of a pre-prototype pellet selector as a part of the International Thermonuclear Experimental Reactor for Oakridge National Lab. Fusion is the process of having the nuclei of two light atoms forming into one heavier nucleus. The result is a release of more energy than put into the action. This is the same process generated by the sun and most other stars. Fusion is also the reason for the massive destructive power in hydrogen bombs. In contrast, fission involves a subatomic particle impacting with and splitting apart an atomic nucleus. All current nuclear reactors and power plants utilize some form of nuclear fission. Fusion power is also much cleaner than fission in terms of releasing radiation into the surrounding environment. The \$30 billion ITER program plans to see their first sustained fusion reactions around 2020. For more information please go to: <https://www.iter.org/>

