

The Kraken Chamber

The “Kraken” is a massive 8 port vacuum chamber for use by experimenters. It was used at FACET in 2012 and then moved to ESTB in 2013.

The hardware set up inside the Kraken chamber can vary and experimenters can bring their own. It typically includes Newport stages for alignment of samples and we provide cable feedthroughs for that purpose.

The contents can be modified to suit a wide range of “samples” or hardware.

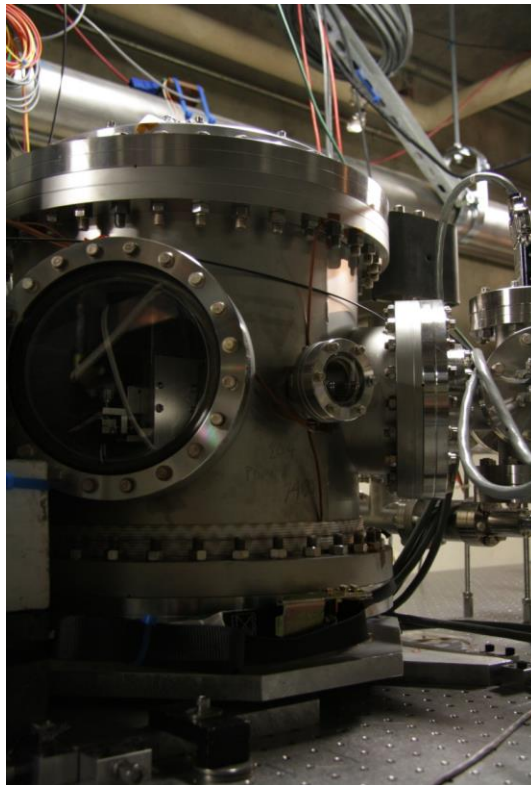


Figure 1: The Kraken Chamber with 8 ports for beam, windows, cables and pumps. This configuration was used at FACET. Flanges can be changed depending on the experiment’s needs.

Drawings and Model

Drawings of the chamber and its contents can be found on the website:

https://portal.slac.stanford.edu/sites/ard_public/facet/newnav/ESTB%20Photos/Forms/AllItems.aspx?RootFolder=%2Fsites%2Fard%5Fpublic%2Ffacet%2Fnewnav%2FESTB%20Photos%2FKraken%20Sample%20Chamber

If the drawing you require does not exist, please send an email to cclarke@slac.stanford.edu with your request.

The Solid Edge Model can also be downloaded from the folder. Solid Edge (v20) is required. The model is a zipped file.

Vacuum

For easy sample change-over, we have an o-ring seal on the chamber.