The model ST-100-FTIR is manufactured by Janis . It can be used in combination with the Bruker IFS 66 v/s on Beamline 1.4.2 .

ST-100-FTIR features include:

- Sample in vacuum
- Multiple position sample holder
- Linear manipulator with 2" travel
- Sample rotation with scale
- Silicon diode temperature sensor
- Mounting flange to fit spectrometer

- High efficiency cryogen transfer line
- 1.63" diameter clear view window ports
- O-ring sealed windows for easy window change
- Liquid helium or liquid nitrogen cooling

System Specifications	**ST-100-FTIR**
Sample Environment	Vacuum
Temperature Range	~2.5 - 325 K (higher temperatures optional
Initial Cooldown Time	15 minutes
Temperature Stability (with controller)	50 mK or less
Orientation	Any position
System Weight (less transfer line)	Approx. 10 lbs.
Cryogen Consumption (cooldown)	0.4 liters LHe from 325 - 4.2 K
Cryogen Consumption (operation)	0.5 L/hr at 5 K w/LHe

Note: Specifications do not include parasitic or experimental heat loads.

ST-100-FTIR Mechanical Drawing