



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)	±0.1 K 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