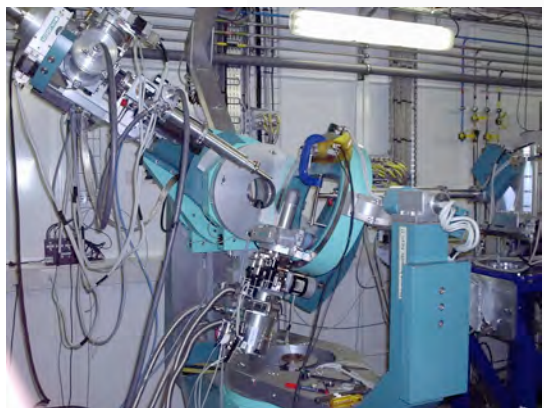


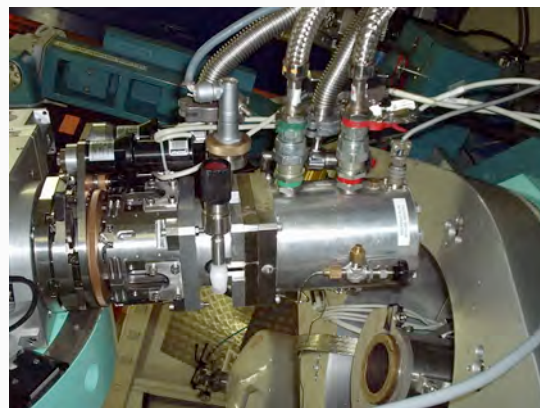


# Advanced Research Systems, Inc.

## 1.7K Cryocooler



CS302A installed on a Huber, 6 circle diffractometer.  
Courtesy Dr. Paul Thompson, XMAS CRG ESRF Grenoble.



Installed on a Huber motorized cryostat carrier  
Courtesy Dr. Paul Thompson, XMAS CRG ESRF Grenoble.



### CS302 Specifications:

Min Temperature ~ 1.7 K  
Max Temperature 325K  
Cooling power ~ 40 mWatts at 2K  
Open Circuit JT Licensed from ILL  
Continuous cooling, Long term experiments.



# Advanced Research Systems, Inc.

## Cryocoolers for Neutron Scattering

### Sample in Vacuum:

#### Advantages:

Sample temperature: 4K, 6K and 10K

Price: \$\$ (inexpensive)

Fast Cooldown of cryostat.

Light weight.

Easy Rotation and Manipulation.

#### Disadvantages:

Vacuum break for sample change



### Sample in Vapor/Top Loading Cryostat.

#### Advantages:

Fast sample change

#### Disadvantages:

Price: \$\$\$\$ (more expensive)

Limited rotation and manipulation capability.

Sample temperature generally 1-2K higher than Cryocooler



### We have a Cryocooler for you:

