

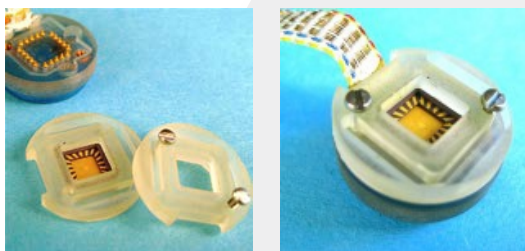
## mPuck System



Sample mounting components include non magnetic JEDEC chip carriers and **mPuck** sample mounting stages for experiments below 4K, especially in vacuum when sample thermalisation needs to be achieved via demountable electrical connections.

The **mPuck** range of modular sample mounting systems. The 20mm diameter mPuck uses sprung loaded contact pins to ensure reliable electrical contact and heat-sinking even in the most extreme low temperature and high field environments. Interchangeable mPuckBoard experimental boards permit a range of different measurements to be undertaken. The mPuck is also directly compatible with 20-pin Jedec chip carriers used in many clean-room environments.

### mPuck clamp - for cryogenic measurement



- Clamps 20 pin leadless chip carriers to the mPuck sprung mounted pins, including our non-magnetic Leadless Chip Carriers.
- Adds 3mm to the height of the mPuck.
- 2mm wide slot around central window to allow customer fitted options such as heatsink braids or thermometers, LEDs or hall sensors.

### mPuck Generic measurement board - for cryogenic measurement



- Set of 5 mPuck measurement boards
- 20 contact pads for customers own experiments
- 13mmx13mm, 2mm thick with 0.5mm recess on upper side for sample mounting
- screwed in position with 2xM1.6 (supplied)

### Non-magnetic chip carriers - JEDEC LCC20 size (20 contacts)



- Set of 5 non-magnetic leadless chip carriers
- JEDEC compatible 8.9mm square x 1.6mm thick
- Compatible with mP-clamp to fit the mPuck
- Elimination of nickel plating provides purest non magnetic response

### Cryoloom - Cryogenic Woven Loom



Woven loom (also known as cryogenic ribbon cable) has, in the last 10 years, been proven as the most rugged cryogenic wiring available.

Our woven loom ranges, known as Cryoloom?, are available in 2 or 12-pairs in Constantan, Copper, BeCu, Manganin and NbTi wire (superconducting loom) and are woven with non-melting PEEK yarn.

### mPuck sample measurement mount - with Cryoloom

