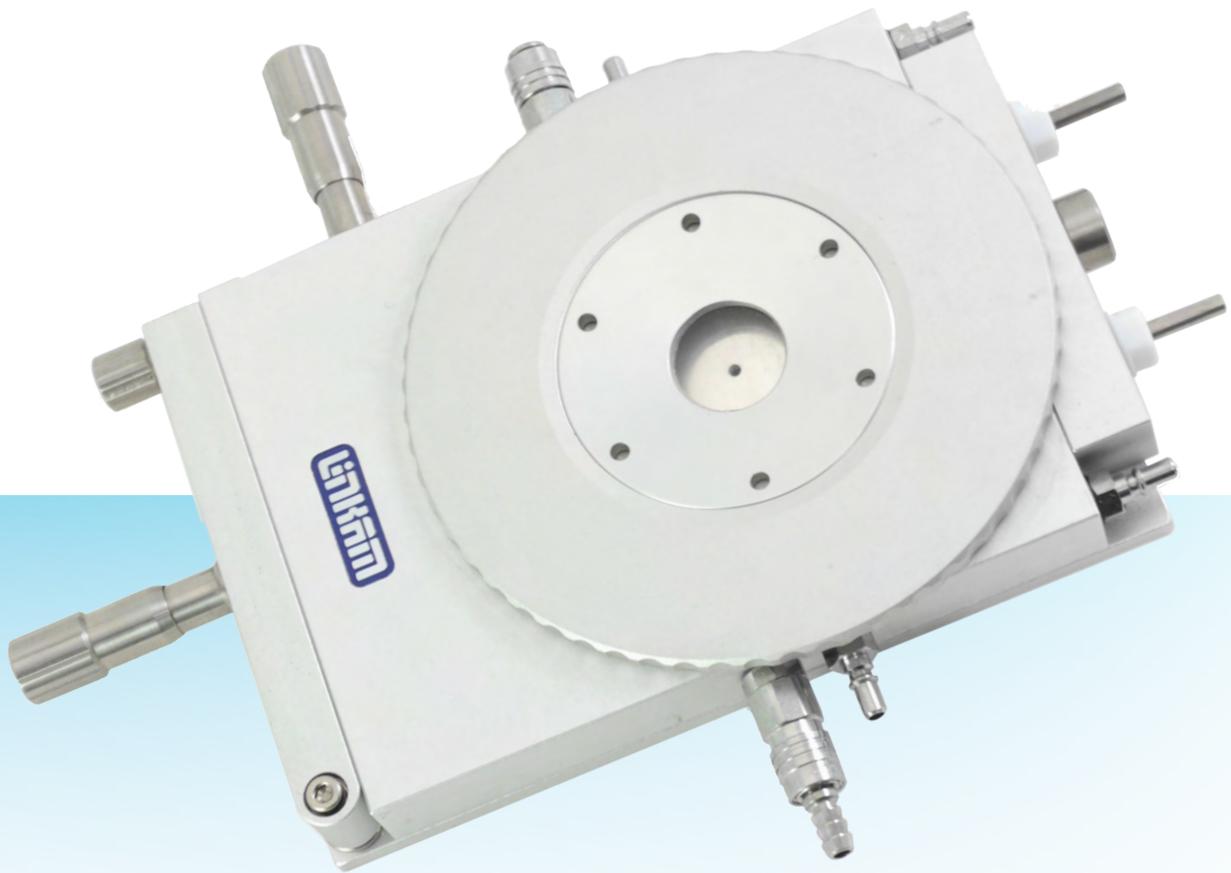




# Linkam Thermal Stages



# Temperature Control You Can Trust

The precision and power of Linkam thermal stages give you complete control of sample environment. Generate truly accurate results while visualizing and exploring material properties.

## THMS600 Characterize confidently

Confidently characterize your samples with the pinpoint precision of our THMS600. Its combination platinum resistor and polished-silver element give you unrivalled 0.01°C accuracy so you can run high-quality experiments at temperatures between -196°C and +600°C.

The THMS600 is capable of heating samples at 150°C per minute and then slowing to fractional increments as sample change approaches. And it gives you control of sample atmosphere with quick-connect gas ports that can direct gas flow or remove condensation via dry nitrogen gas purge. Precision XY manipulators allow you to move your sample 16mm in either direction.



## LTS420 All-purpose precision

Combines all the control and accuracy of the THMS600 with a larger surface area that can accommodate a standard 1" x 3" microscope slide. The all-purpose LTS420 is suitable for research, product development, quality control and academic environments—providing 0.01°C accuracy anywhere between -196°C and +420°C.

Characterize samples quickly by heating them at 50°C and then slowing to fractional increments as polymorphic transition approaches. Precision is assured by a sensitive platinum resistor, which is mounted close to the element. You can add accessories to manage chamber atmosphere.

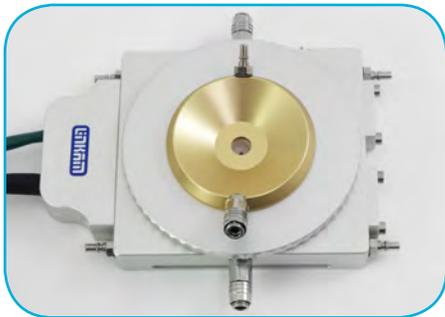


## TS1500

### For extreme high temperatures

Gain complete understanding of sample behavior at extreme high temperatures with our TS1500. This system can be integrated with light microscopy, X-ray or Raman to give you all the data you need to characterize fluid inclusions, determine high melting points or investigate complex materials. The TS1500 can uniformly heat samples at 200°C per minute, all the way up to 1500°C.

Vacuum fittings allow you to drop sample chamber pressure as low as 10–3 mbar, while side valves give you the option of atmospheric control.

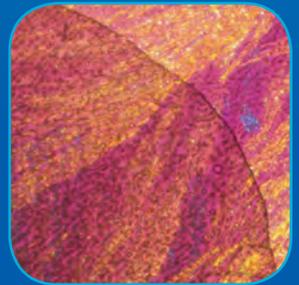
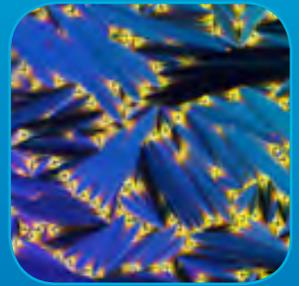


## Develop a complete workflow solution

You can improve data capture and streamline workflow by matching our Linkam products with a range of innovative accessories.

Ask us how you can:

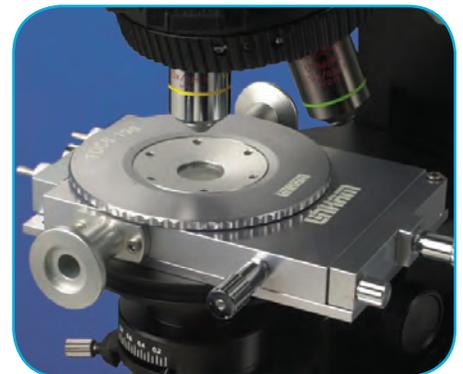
- Fully automate experiments and record them for later viewing
- Eliminate distractions and observe more by presetting chamber temperature and pressure
- Simplify complex work by programming multiple heating or freezing ramps
- Control experiments and organize data conveniently from your desktop computer
- Record images with data



## Freeze Drying Vial System and FDCS196 Freeze Drying Cryostage

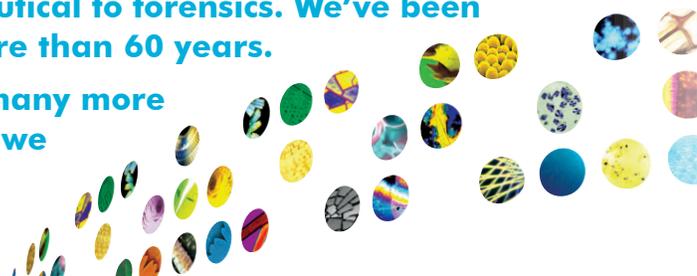
### Focus on freeze drying

Accurately identify eutectic temperature and collapse, or inspect lyophilized structures of complex samples in detail by combining the FDCS196 with light microscopy techniques such as phase contrast and polarized light. The Freeze Drying Vial System (FDVS) is optimized to efficiently simulate the industrial freeze drying process



**McCrone Microscopes & Accessories can integrate Linkam stages into a complete microscopy solution for any industry, from pharmaceutical to forensics. We've been designing and assembling custom packages for more than 60 years.**

**These are our most popular instruments. We have many more in stock. Please call us at 630-887-7100 to ask how we can design a system to meet your needs.**



# UNLIMITED SCOPE

## in Microscopy Instrumentation

McCrone Microscopes & Accessories is the instrument sales division of The McCrone Group, boasting one of the most complete lines of products for microscopists. We are an authorized dealer for Nikon microscopes and measuring equipment, The JEOL NeoScope Benchtop SEM, Linkam thermal stages, a variety of digital imaging systems, microscope accessories, and laboratory supplies.

Our expert consultants can help you design custom-tailored equipment packages to meet your specific microscopy needs. From product selection to installation and training, with McCrone Microscopes & Accessories, you have the expertise of the most trusted name in microscopy every step of the way.

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- Linkam Thermal Stages
- Nikon Microscopes
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- NeoScope JCM-6000Plus Benchtop SEM
- Digital Imaging Cameras and Software
- McCrone Micronizing Mills
- Retsch Mills
- Microscope Accessories and Tools
- Cleaning, Calibration, Installation and Training
- Laboratory Supplies
- References and Resources

