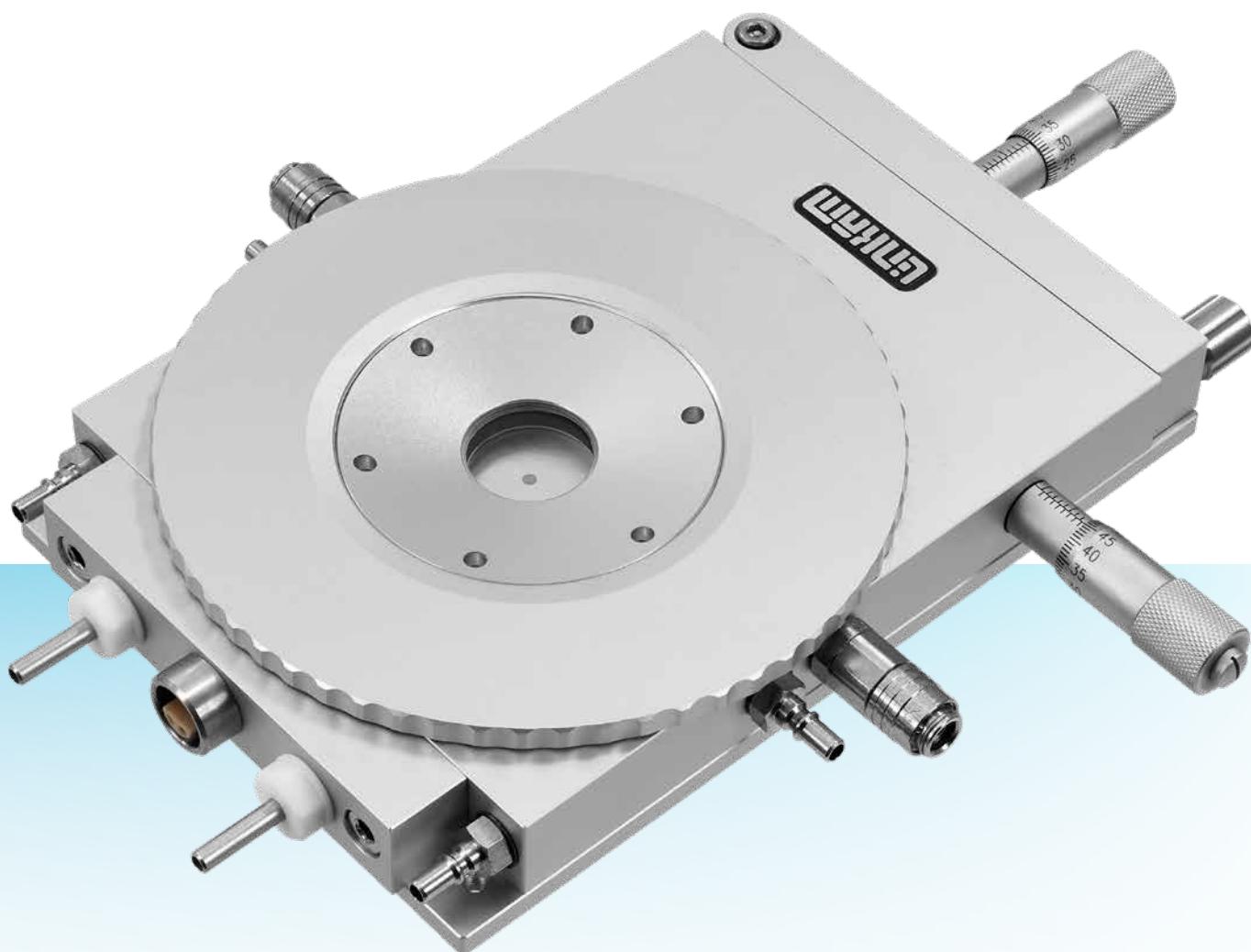




# Linkam Thermal Stages



# 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

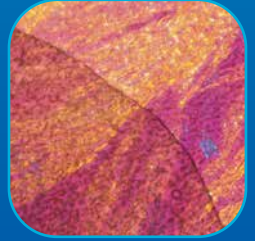
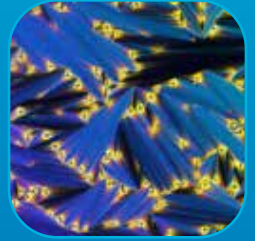


Gain complete understanding of sample behavior at extreme high temperatures with our TS1500. This system can be integrated with light microscopy, X-ray or Raman to give you all the data you need to characterize fluid inclusions, determine high melting points or investigate complex materials. The TS1500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

## Develop a complete workflow solution

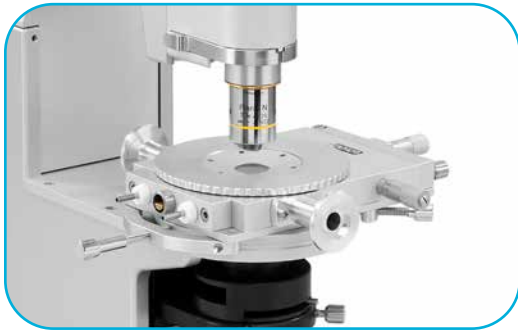
You can improve data capture and streamline workflow by matching our Linkam products with a range of innovative accessories. Ask us how you can:

- 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 a desktop computer
- Record images with data



## 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.

## MFS Modular Force Stage

### Designed to characterize the mechanical properties of your samples



This system is a new, improved version of the TST tensile stage with increased sensitivity and resolution. The modular design allows you to have an additional level of control over your experiments with the ability to change grips, heater types and force beams. It offers a flexible upgrade and customization path. Additional options accommodate a wide range of different samples and applications.

**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 more in stock. Please call and ask how we can design a system to meet your needs: 630-887-7100.**



# 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.

We offer the best products in microscopy backed by expert service and support:

- Linkam Thermal Stages
- Nikon Microscopes
- Nikon Measuring and X-Ray Systems
- 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

