

# **OpenStand LS**

Custom microscopes for large format stages



Flexible platform for large samples that can evolve alongside your development work

# OpenStand LS platform for large format stages



# The most flexible system for large samples

OpenStand LS is the latest addition to the OpenStand product family to enable customers to get OEM solutions and one-off custom microscopes faster. OpenStand LS is created for large format stages and the needs of materials applications. Fluorescence and brightfield/darkfield epi-illumination options together with existing Prior automated accessories are available

for all of your material applications. The OpenStand LS has a large focus range of 80 mm manual focus and 22 mm of motorized fine focus, allowing easy adjustment to cope with a wide range of sample heights.



# Platform that evolves with your development work

With OpenStand LS, you get a working system to start developing your application immediately, and adaptations can be made flexibly during your development phase. Prior Scientific systems use the same commands, offering a linear development route. With OpenStand, you can develop your software and hardware in parallel without losing any software development on the final production-ready instrument.

# Advantages of the OpenStand LS



## Tailored to your application OpenStand microscope has fully

OpenStand microscope has fully customizable optics and accessories



#### **Flexible**

compatible with a large range of optics, devices, and light sources



#### Fast and easy

software integration with Prior's innovative hardware command set



#### Adjustable height

80 mm focus and 20 mm fine focus to accommodate the different samples



#### Versatile mounting

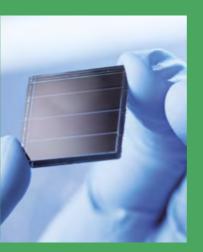
Breadboard, optical table, bracket (metric or imperial), or custom system



#### **Fully motorized**

XYZ; filter turret, 2- and 6 -position nosepiece

# Applications and markets



#### Materials Metrology

Inkjet
Reflective optics
Photovoltaic (PV)
Diamond fly cutting



#### Semiconductor

Data storage

Semiconductor wafers

Micro-electromechanical systems (MEMS)

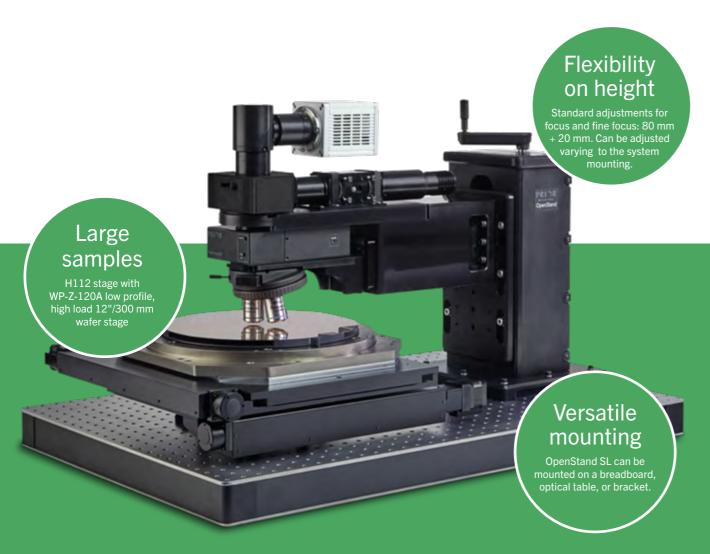
Laser ablation

Other automated inspection and vision-based applications

# Straightforward approach to custom solutions

## From design to manufacture

With OpenStand, you get a whole system and full support from Prior's expert team. The process starts with a consultative meeting with our product managers to understand your application needs and how OpenStand could improve your system performance. Throughout the process, we work closely together to develop your system. Prior Scientific has the development and production under the same roof allowing continuous communication between different departments from the concept phase to prototype and finally to manufacture. Your prototype is ready for production, and any changes you need post-production can be done flexibly and fast.



### Why choose Prior Scientific?



#### **Experts in customizing**

Over 30 years of custom optical system experience



#### **Integrated design** and manufacturing

For seamless product development cycle



#### **Dedicated customer team**

All of Prior's expertise on your disposal

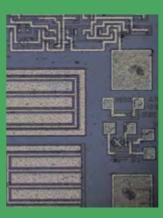
## Our expertise at your disposal

Prior Scientific's team has extensive experience with different microscopy applications from life sciences to materials and semiconductors. Prior has over 30 years of experience developing customized solutions. We design and manufacture all the key technologies for your instrument. If we don't have a solution ready for your needs, we have the know-how to develop it.

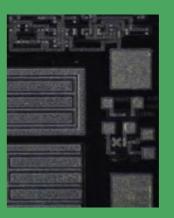
Prior Scientific has manufactured precision optical and electro-mechanical equipment and instrumentation for over a century. Prior's manufacturing is renowned for its quality, and our facilities in the UK and USA are ISO 9001:2015 certified. Our manufacturing and testing capacities can extend from a single unit to mass production.

## Different observation methods

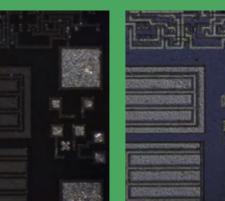
Brightfield



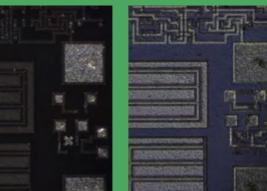
Darkfield



Polarized light







# How to start with your customization

OpenStand LS and Prior's extensive portfolio of OEM parts offers a fast-track to a prototype instrument. We work closely with you so we can provide an optimal solution to your technical and business demands.

# Large availability of components

Customization starts with selecting the right OpenStand base system for your application. You can tailor your microscope with the right optics and illumination.

## Use your favorite optics

You can choose optics from Prior Scientific's catalog or use the objectives you are already using and are familiar with your application.

# Automate what you need

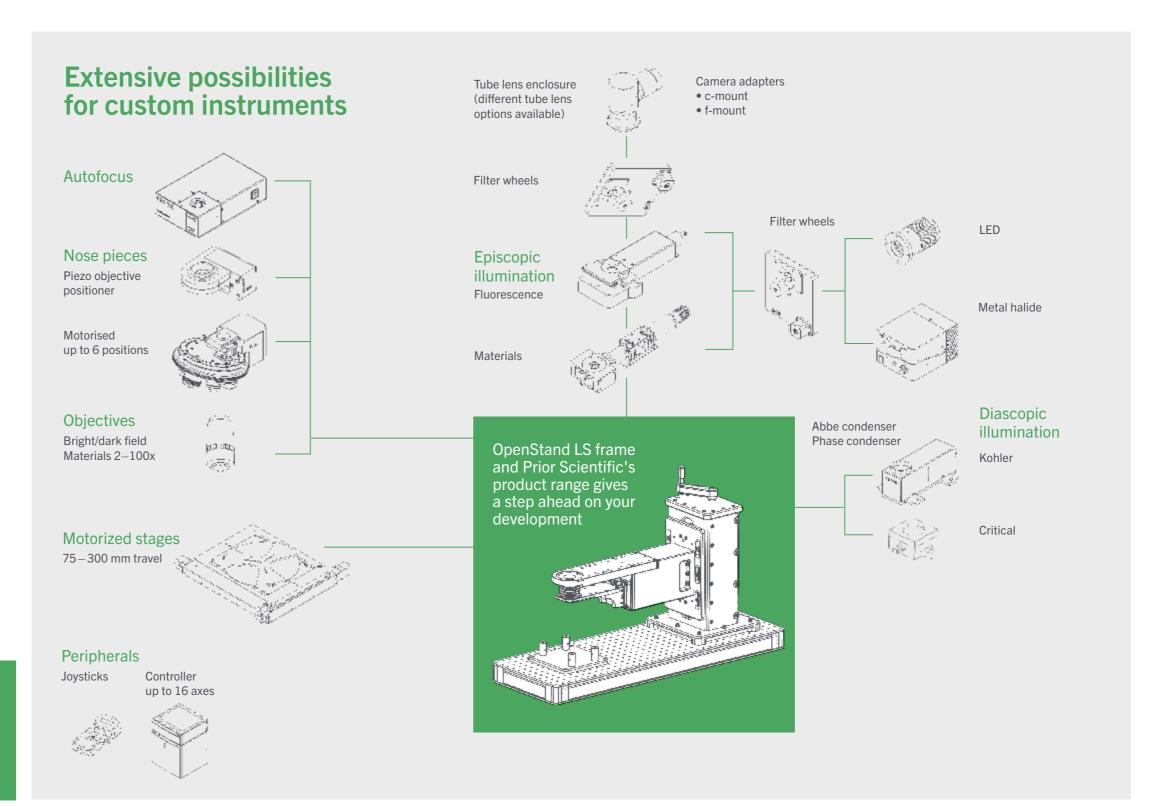
Prior Scientific's team will help you to select the right stage and controller for your automation application.

## Easy software integration

Prior products are compatible with a wide range of third-party software and the open-source software Micro-Manager.

## **Contact us**

for consultation on how we can build your solution and software compatibility prior.com/contact or email: inquiries@prior.com.



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