

Automation Software for the SPS-2600 & 2800 PLUS Probe Stations

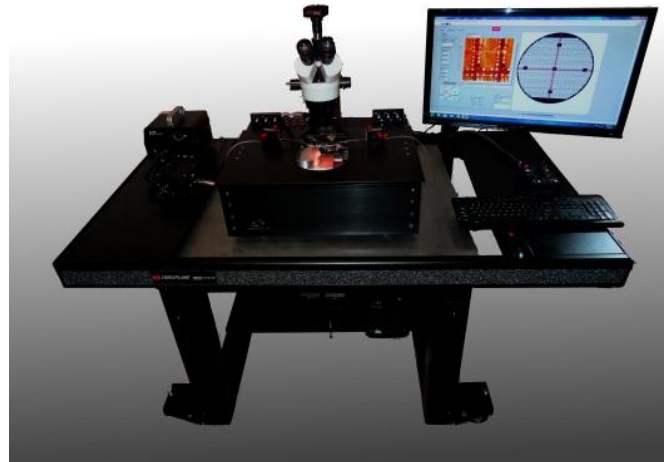
Data Sheet

microXact, inc.

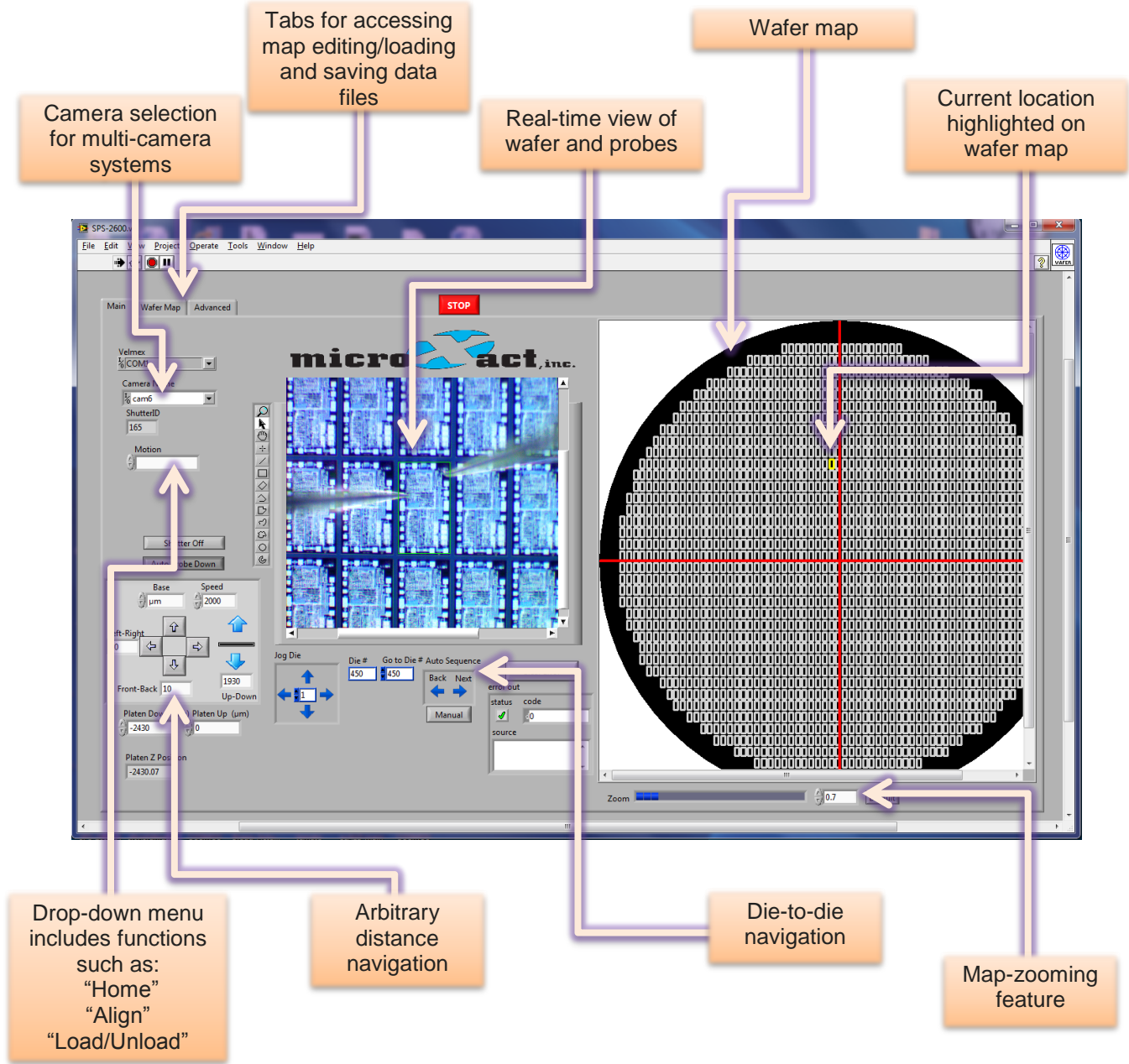
The SPS-2600-PLUS and the SPS-2800-PLUS are driven by MicroXact's System Automation Software developed in-house and refined through collaboration with customers. The interface is designed to be simple yet powerful, allowing users to easily set up an automated testing procedure for nearly any kind of device. The LabView-based software is logically structured and allows for easy integration of the customer's own test and measurement equipment.

Features

- In most cases, all automation, measurement and data acquisition can be managed by the software package running on a simple laptop computer. **No expensive hardware needed.**
- Software allows user to generate a wafer map of the devices and then save the map to be imported later.
- Map editing feature also lets users quickly and easily mark specific die or regions of a wafer that they want tested or skipped.
- Point-and-click navigation lets user click on map to quickly move probes to a specific device on a wafer.
- Software-assisted alignment corrects for mechanical misalignment of wafer and will correct for thickness variation across a wafer.
- Additional automation such as control of light shutters for blocking or increasing light during measurement as well as digital camera snapshots of each device can be included.
- MicroXact team works diligently with customers to develop the best possible automation solutions as quickly as possible.



Typical Configuration



AUTOMATION SOFTWARE

www.microxact.com
Phone: 540-394-4040
Fax: 1-866-588-0908

Accessories



Illuminator Shutter

Shutter system designed for the fiber optic ring light and halogen light source. System is integrated with the software for fully automated use. Makes automated testing of photosensitive devices easy while protecting halogen sources from the wear & tear of constant on/off switching.



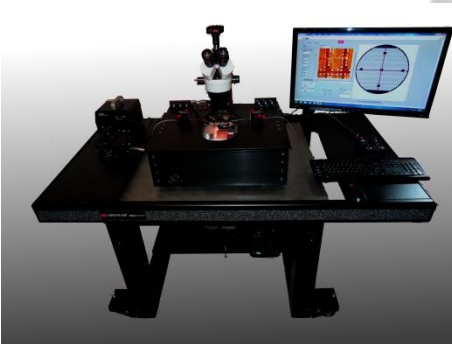
Digital Camera

Both the stereo zoom and Olympus BXFM microscopes include a third viewport for cameras. We offer compatible scope-mount digital cameras ranging from 1 megapixel to 10 megapixels. Included with the camera is software for image and video capture as well as dimension measurement capability.



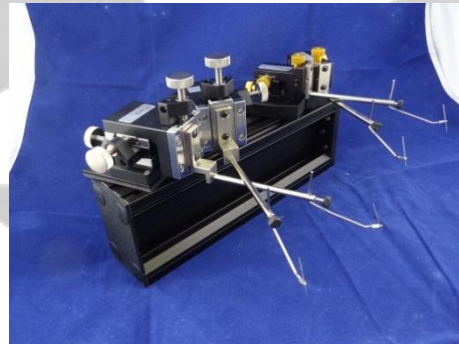
Thermal Vacuum Chuck

The TC-SYS-150 system includes a thermal controller with USB interface and Windows-compatible control software as well as a liquid nitrogen cooling system with 6-stage pump and 10-liter dewar.



Vibration Isolation Table

For high precision testing of the smallest features, vibration isolation is a necessity. We offer a full line of vibration isolation tables which we will customize for each probe station and application.



Micropositioners

For features 5 microns or larger we offer very affordable 3-axis positioners with 0.025" resolution per turn. These positioners have 0.300" of available travel in X, Y, & Z. For features smaller than 5 microns we offer a premium positioner with 0.500" of available travel in X, Y, & Z. These positioners are available in three resolutions ranging from 0.025" per turn to 0.010" per turn. All have the option of being configured with either magnetic (left) or vacuum-lock bases (right).



Seiwa Precision Microscopes

Seiwa microscopes offer a broad range of capabilities, all of which are the result of Seiwa's unparalleled engineering and craftsmanship. Whether your system requires an application-specific microscope, such as a multi-wavelength laser compatible scope (above), or a standard stereo zoom microscope, we can integrate any of these microscopes with a MicroXact probe station.

AUTOMATION SOFTWARE

Sales

U.S. Sales

*Maine, New Hampshire, Vermont, Massachusetts,
Rhode Island, Connecticut, and New York*

ViaTec Sales and Marketing, LLC

Phone: 1-617-696-4461

Fax: 1-617-696-1841

Website: www.viatecsales.com

E-mail: info@ViatecSales.com

*Texas, Oklahoma, Kansas, Louisiana, Arkansas,
and Mississippi*

RJI Technical Sales

Website: www.rjjsales.com

Email: bjemison@rjjsales.com

Phone and fax: 1-469-656-2022x1

International Sales

*Russian Federation, Ukraine, Belarus, Moldova,
Armenia, Azerbaijan, Kazakhstan, Kyrgyzstan,
Uzbekistan, Turkmenistan, Tajikistan*

Energoavangard Ltd.

Website: www.eavangard-semi.ru

Phone: 7 (926) 134-69-15

Email: info@eavangard-semi.ru

Japan

Niki Glass Company Limited

Website: www.nikiglass.co.jp

Phone: +81-6-4805-4155

Fax: +81-6-4805-2011

*France, Germany, United Kingdom, Ireland, Italy,
Spain, Malta, Belgium, Netherland, Luxembourg,
Portugal, Switzerland, Baltic countries, Morocco*

Euris Semiconductor Equipment Services

Website: www.euris-semiconductor.com

E-mail: gailus@euris-semiconductor.com

Phone: +49 (0)89 3509578-11

Fax: +49 (0)89 3509578-10

People's Republic of China

Nanovis Electronics Technology

Website: www.nanovis.net

E-mail: jerryshi@nanovis.net

Phone: 86 21 5031 7301 ext. 605

Fax: 8602150317283

People's Republic of China

Whole-Link International Co., Ltd.

Website: www.whole-link.com

E-mail: susan@whole-link.com

Phone: 86-21-64325962/64326897

Fax: 86-21-64326499

MP: 13636392732

Taiwan

Great Domain Enterprise

Website: www.great-domain.com.tw

Email: douglas@great-domain.com.tw

Phone: 03-5826858 ext. 216

Fax: 03-5827900



MicroXact, Inc.
295 Industrial Drive
Christiansburg, VA 24073
540.394.4040
www.microxact.com
products@microxact.com