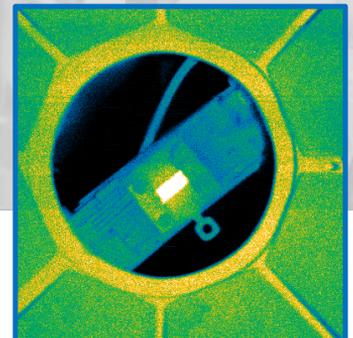
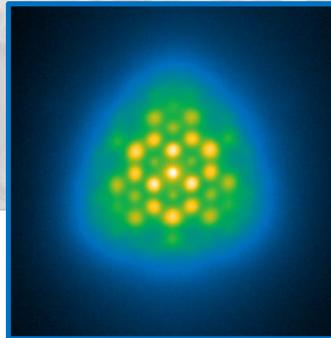
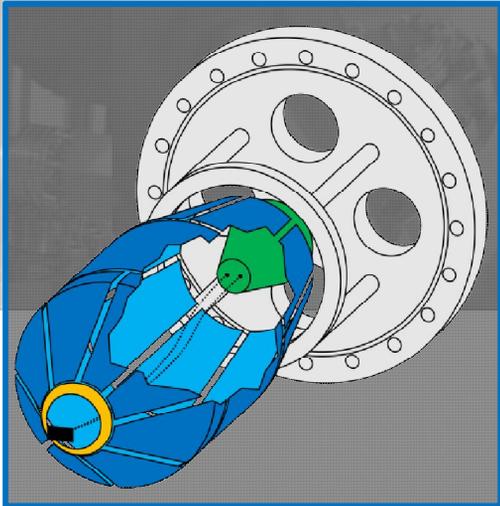


SPA-LEED 4

High resolution and high dynamic range LEED instrument



- Very high dynamic range
- High lateral resolution
- Unobstructed image
- Very low image distortion
- Simple setup, easy to use
- Full PC control
- Low current density

Ideal for applications such as

- in situ growth monitoring
- surface characterization
- ultra large area analysis
- structural mapping

The SPA-LEED 4 is the most advanced system available for high resolution, high dynamic range LEED applications on the market.

The simple, accurate and fast data acquisition with a compact and fully integrated system allows you to fully focus on your research.

The SPA-LEED 4 offers unprecedented speed, low image distortion and real-space as well as diffraction scanning modes.

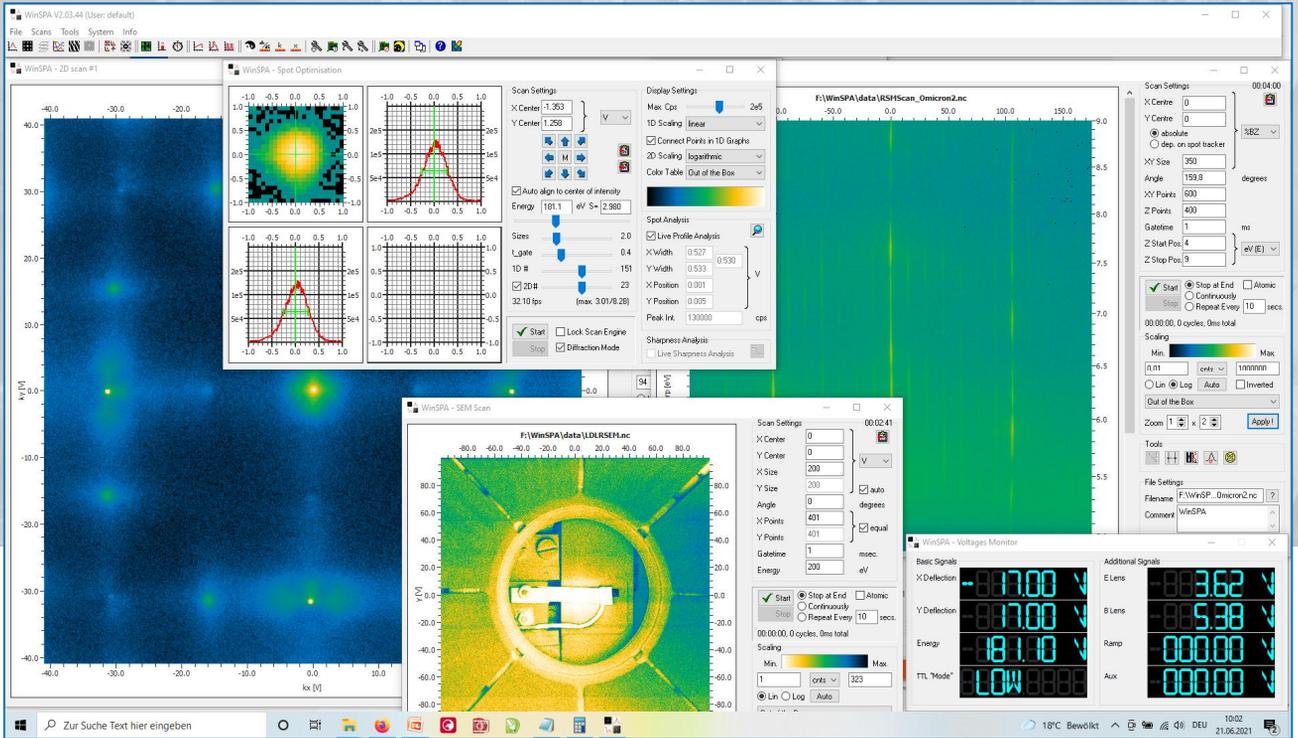
innovation **beyond** the surface

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45257 Essen
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website: www.spa-leed.com
phone: 01516 - 5406430
fax: 0201 - 85974907
email: contact@spa-leed.com



Specifications



general	mounting flange dimensions	NW 150 CF 8"
	max. bake out temperature	180°C
	LaB6 emitter beam current	up to 10µA
	CEM dynamics range	<0.1cps .. 3x10 ⁶ cps
	magnetic shielding	µm metal cover
resolution	transfer width	>1000Å (@95.6eV, S=5, Si(111))
	real space	<200µm, 100µm typical
	terrace width	<50nm
	angular resolution	<0.1°
geometry	flange to sample distance	203mm
	detection angle	+/- 35°
	conical front	+/- 45°
	sample to front distance	15mm
control	counter	32bit, ~40ns pair resolution time
	deflection	4x16 bit DAC, 8x120V amplifiers
	electron energy range	0..500eV
	software control	WinSPA , PC with Windows 10™

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