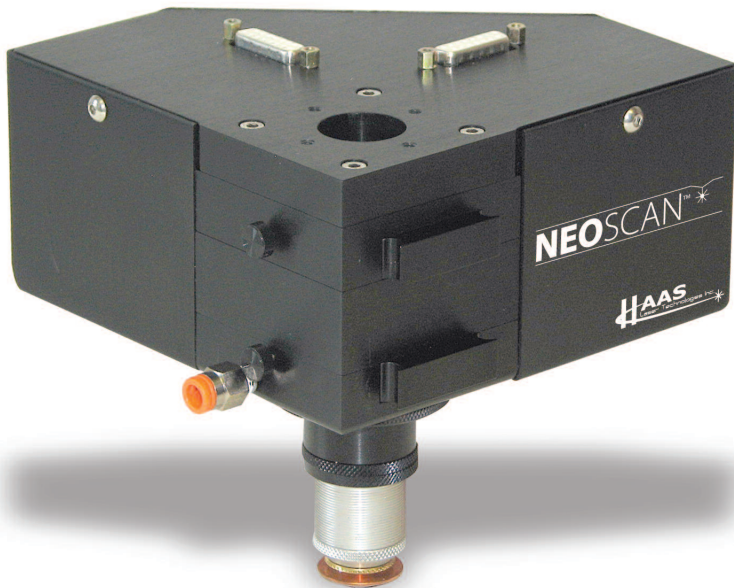


NEOSCAN™

NeoScan™ Scanner

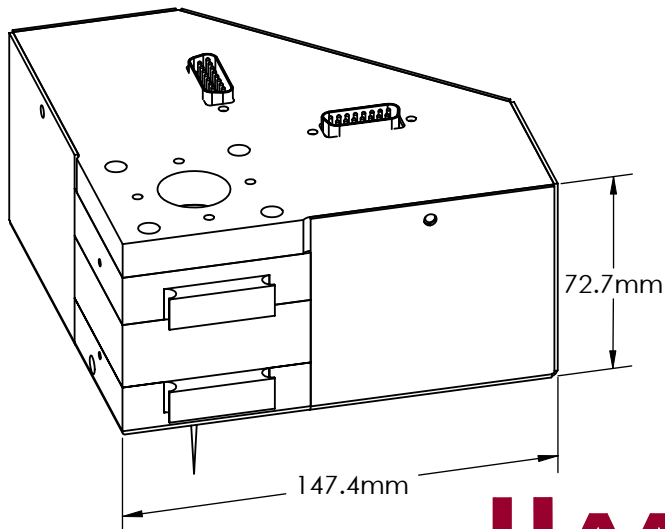
NeoScan™ Scanner



Shown with nozzle for 100mm focal length.

Features

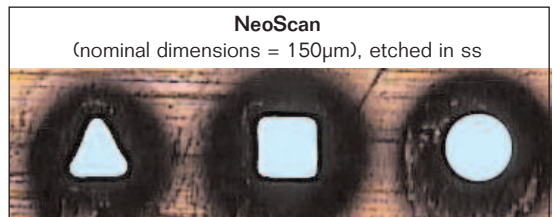
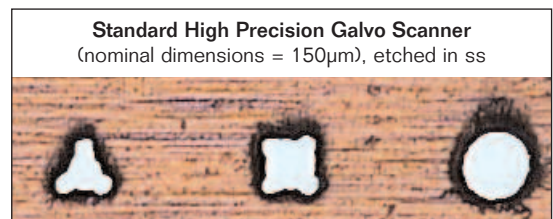
- Focal Length $\geq 100\text{mm}$
- Wavelength Range UV to IR, $10.6\mu\text{m}$, Optional
- Field Size $> 200\mu\text{m}$, up to $500\mu\text{m}$, Optional
- Inverse Taper Module, Optional
- Debris Shield Included
- Scanning Speed $> 15 \times 10^3\mu\text{m}/\text{sec}$
- Repeatability $< 1\mu\text{m}$
- Accuracy $< 1\mu\text{m}$
- Thermal Drift $< 0.05\mu\text{m}/\text{K}$
- RTC4 Interface
- 115/230 VAC @ 1.8A/0.95A



- Scan Field up to $500\mu\text{m} \times 500\mu\text{m}$
- Extremely High Repeatability $< 1\mu\text{m}$
- Positional Accuracy $< 1\mu\text{m}$

The NeoScan™ Scanner is a patent pending† special laser process focusing unit which directs a laser beam through a positive lens element and then through a pair of refracting optics. Each of the refractive optics are mounted to galvanometers and positioned orthogonally to one another. The refraction from each element deflects the laser beam in a controlled manner with minimal aberration from the optical axis. Depending upon the refractive optics used, the scan field can be up to $500\mu\text{m} \times 500\mu\text{m}$ with extremely high repeatability. Modular design enables applications specific configurations.

NeoScan™ Scanner Application Photos



Enlarged View of High Precision Galvo Scanner Results



Enlarged View of NeoScan™ Scanner Results



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Specifications subject to change without notice.
Consult Haas Laser Technologies for Details.

† The NeoScan™ Scanner is manufactured and distributed by Haas Laser Technologies, Inc. under agreement with Neoteric Concepts, LLC.