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TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
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Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Find the *MKS Instruments / Ophir / Photon SpotScan* at our website: *Click HERE*

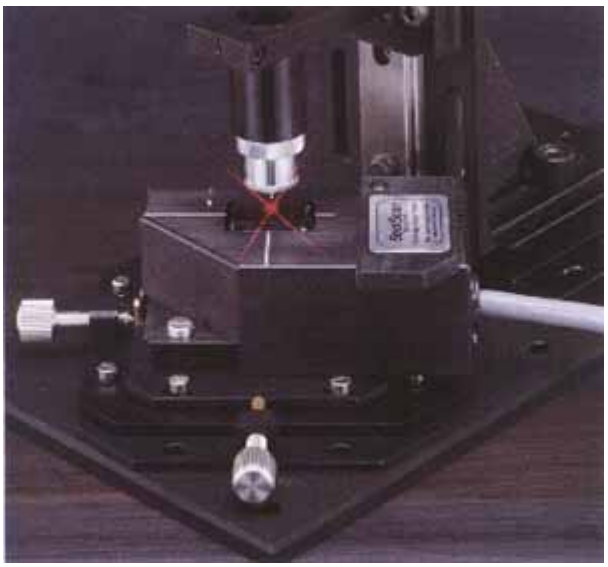
SpotScan

Optical Knife-Edge Profiler

SpotScan is a precise knife-edge profiling system for measuring the energy distribution of micron to submicron beam widths. It is designed to aid in the assembly, adjustment and qualification of optical systems with finely focused beams such as those found in optical memory systems.

SpotScan allows you to view the energy distribution directly at the focus, junction or output of a diffraction-limited beam as small as 0.3 micron diameter. Its ability to record exact beam values gives you a better understanding of the performance of your optical system, and continuously updated measurements (10 times every second) give you the means to adjust and control it.

To characterize the spatial profile of small or finely focused beam waists, the ***SpotScan*** optical profiler employs a scanning aperture technique -- the superior approach to sampling beam profiles from continuous-wave sources.



SpotScan allows you to quickly and conveniently:

- Confirm optimum laser system performance
- Isolate sources of error
- Enable adjustment, positioning and replacement of lenses and other components
- Test lens or sources as components

What can the *SpotScan* do For You?

Direct Measures

Quantifies the beam size directly at the output of a junction or at the focus point without concern for effects of relay optics.

Interferometric Precision

SpotScan maintains its accuracy by basing the measurement on an internal laser diode interferometer. An interferometer is one of the most accurate ways of determining an objectís position. SpotScan uses no conventional bearings -- instead it uses flexures driven by a smooth voice coil motor.

Real-time Results

Continuously updates 10 times every second.

Simultaneous sampling of X and Y profiles

Measures the impact of the full beam via orthogonal profiles.

Quantify optical system effectiveness

Measures spot intensity, the impact on resulting power density, optimum focal point positioning, degree of source astigmatism, presence of aberrations and optical head feedback sensitivity.

Ultra Fine Resolution

Provides ultra-fine resolution for your measurements in applications involving: optical disk technology; laser pantography; microlithography; high resolution lens test; laser printers and reprographic systems as well as near-field profiles of junctions, fibers, and waveguides.

Let us show you how the ***SpotScan*** can help you with your application needs... Contact us today!

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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