ARTISAN®
TECHNOLOGY GROUP

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

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

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

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Star Tech Industries BIP 5100Z* at our website: *Click HERE*

STAR TECH INSTRUMENTS, INC.

BSZ50P13Y[1]



The BSZ50 . . series Beam Intensity Profiler (BIP) are low cost imaging systems for the DUV. Their large aperture and high damage threshold make it the ideal choice for direct view, quantitative measurements of excimer laser beam energy distributions. The BIP series is also available with a fixed magnification lens (BSF . . .). We routinely manufacture custom and OEM beam profilers.

SPECIFICATIONS

Sensitive spectral band	150 nm to 370 nm
Spatial resolution	70 microns to 15 microns
Sensitivity	1 % of full scale
Camera mount	C-mount
Entrance aperture size	Low mag: 30 mm high x 40 mm wide High mag: 5 mm x 6.7 mm
Damage threshold: 193 nm, 248 nm, 308 nm	Single pulse-500 mJ/cm^2
193 nm, 248 nm, 308 nm	Average power-10 W/cm^2
Spatial uniformity	Better than 5% over entrance aperture
Maximum repetition rate	No repetition rate limitation
Linear dynamic range	Over 6 orders of magnitude
Adjustments and controls	Camera: gain (AGC, manual) Lens: focus, iris, and zoom
Video output	RS-170, BNC (CCIR optional)
Power requirements	Camera, 12 VDC, 2.5 W.
Size	3.5" w x 4.5" h x 22.5" l
Weight	Approx.4.7 lbs (incl. Camera)
Mounting	1/4-20 threaded bushing

OPTIONS

Right angle prism attachment (RA-5050)	Permits mounting the BIP at right angles to the beam requires only 100 mm of space along the beam path

(1) **Protected by one or more U.S. Patents.**

STAR TECH INSTRUMENTS, INC., P.O. BOX 2536, DANBURY, CT 06813
TEL: 203-312-0767 HTTP://WWW.STARTECHINST.COM FAX: 203-746-9914

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.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP