

# Laser Beam Diagnostics

**Laser Mech RPS now offers** beam analysis equipment for diagnosing and monitoring high-power laser beams — readings at focus for laser cutting applications or twin-spot welding; scrap reduction with scheduled beam monitoring; detect optical or system degradation with fast and reliable power readings.



## FocusMonitor

- Automatic measurement of beams up to 30 MW/cm<sup>2</sup> for accurate analysis of focus characteristics
- Establish working baselines to monitor and diagnose your process for increased production efficiencies
- Fast setup and easy-to-use software



## BeamMonitor

- Monitor the condition of a laser output mirror to avoid failure and maintain beam consistency
- View mode changes or beam wander with rapid beam monitoring
- Analyzes raw beams up to 100 mm in-line without beam splitters, relay optics or performing hardware modifications



## PowerMonitor

- Measure beams up to 25 kW with better than two percent accuracy and better than one percent reproducibility
- High absorption design allows placement directly in the path of an unfocused beam while avoiding any radiation leakage
- User-friendly computer interface



## PocketMonitor

- Provides portable power readings up to 15 kW
- LCD readout in watts with four percent accuracy
- 10 or 20 second measurement times
- Low cost yet ruggedly designed

**Tomorrow's Standards Available Today** With the FocusMonitor, BeamMonitor and PowerMonitor running in combination, you can check your raw beam, look at the caustic and have measured power readings displayed simultaneously on one computer screen. One or all devices may be required when implementing Six Sigma or upgrading to ISO 2000.



## Laser Mech Replacement Parts & Service

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$MT^2 = (\pi/4\lambda)\theta X^2$