

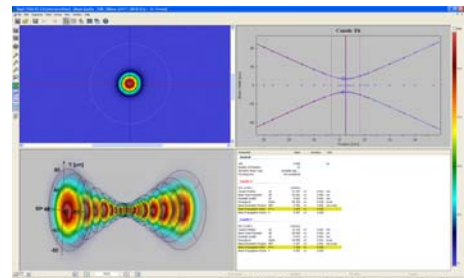
NEW

**CinCam Application
Focus Beam Profiler
- CinSpot -**

CINOGY's CinSpot is a compact and fully automated tool to measure the focused laser beam from the UV to NIR range. The integrated CinCam CMOS/CCD beam profiler is moved precisely by the translation stage along the focus region. Its operational robustness and reliability ensures continuous use applications especially in industrial applications. A modular attenuation unit allows focus analysis up to 1.000W laser power. The whole measuring process is controlled by CINOGY's software RayCi.

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| Spectral response: | 240-1150nm (1320nm) |
| Pixel size: | 3.75-4.5µm ² |
| Number of pixel: | 1.2-2.0MPixel |
| Objective: | 4x, 10x, 20x |
| Focus spot: | >3µm |
| Stage: | 100mm |
| Input power (without attenuator): | up to 100mW |
| Input power (with attenuator AT-100): | up to 100W |
| Input power (with attenuator AT-1000): | up to 1.000W |
| Technology: | CCD-1301 / CMOS-1203 |
| Data output: | 8Bit / 14Bit |
| Software: | RayCi-Pro |

- Robust and compact measurement tool in industrial design
- Quick and easy integration in optical set-up (low profile)
- Reliable and fully automated focus measurements in <1 minute
- Camera-based system (no scanning slit technique)
- 'CinCal' algorithm for highest measurement accuracy
- Compatible with cw and pulsed laser systems
- Measurement data as printable protocol (pdf)



The software RayCi measures the complete beam caustic and determines the focus dimension, focus position, M^2 , etc., related to the reference plane. Incomparable visualization modes, extensive analytical capabilities and new developed algorithms ensure the highest accuracy for beam focus measurements.

CINOGY's experienced team provides CinSpot systems tailored to customer's requirements.