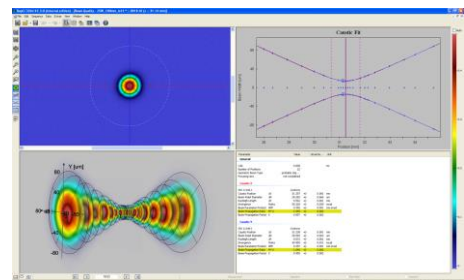


CinCam Application Focus Beam Profiler - CinSpot -

The CinSpot system is a compact and fully automated tool to measure the focused laser beam from the UV to NIR range. The integrated CinCam CMOS 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 100W laser power. The whole measuring process is controlled by CINOGY's software RayCi.

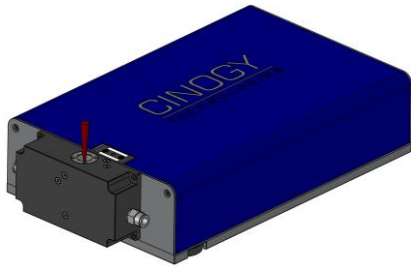
Spectral response:	350-1150nm (1320nm)
Pixel size:	5.3µm ²
Number of pixel:	1.3MPixel
Technology:	CMOS
Data output:	10Bit
Interface:	USB 2.0
Objective:	4x (NA 0.1) / 10x (NA 0.25) / 20x (NA 0.4)
Focus spot size:	>16µm@4x / >6µm@10x / >3µm@20x
Accept focal lengths:	>80mm
Stage length:	100mm (accuracy 10µm / speed 10mm/s)
Input power (without attenuator):	up to 100mW
Input power (with attenuator):	up to 100W (water cooling / 2l/min)
Replaceable ND filter:	Absorptive type: OD1.0 / OD2.0 / OD3.0 / OD4.0 / OD5.0 (400nm - 1320nm)
Replaceable ND filter:	Reflective type: OD1.0 / OD2.0 / OD3.0 (320nm - 1320nm)
Accuracy:	Waist position 50µm / Spot size 3-5%
Software:	RayCi-Pro
Dimensions without attenuator:	334 x 220 x 84mm ³
Dimensions with attenuator:	370 x 220 x 84mm ³

- Robust and compact measurement tool in industrial design
- Quick and easy integration in optical set-up (low profile)
- Reliable and fully automated beam waist measurements in <1 minute – full accuracy (~20s fast scan)
- Camera-based system
- 'CinCal' algorithm for highest measurement accuracy
- Compatible with cw and pulsed laser systems
- Measurement data as printable protocol (pdf)



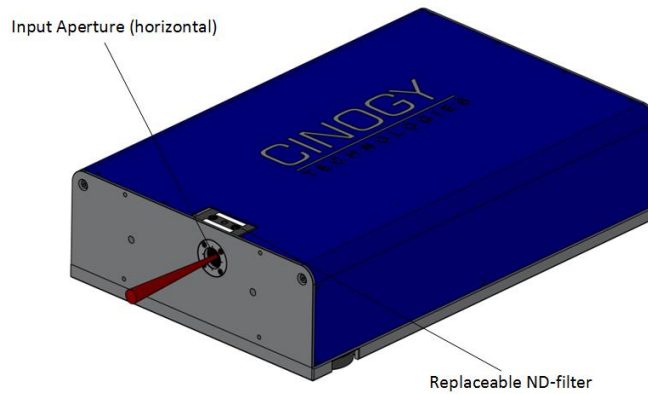
The software RayCi measures the complete beam caustic and determines the focus dimension, focus position, M^2 , etc., related to the reference plane. Incomparable visualization modes, extensive analytical capabilities and new developed algorithms ensure the highest accuracy for beam focus measurements.

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



CinCam Application Focus Beam Profiler - Model -

Without Attenuation Unit (max input power 100mW):



With Attenuation Unit (max input power 100W):

