



PARTICLE SIZE AND SHAPE ANALYZER

CAMSIZER® XL

The CAMSIZER XL by Microtrac is a large particle size and shape analyzer that can measure particles ranging in size from 160 to 135,000 μm .

- | Characterizes more than 40 morphological parameters of your material including 3D
- | Non-contact measurement of dry particles ranging in size from 160 – 135,000 μm
- | Customizable sample introduction
- | Analyses 100 images per second with high-speed, high-resolution camera
- | Enclosed optical system which reduces downtime for maintenance



[Click to view video](#)

Product Video

FEATURES

- | By having the ability to measure more than 40 parameters including 15 size, 13 shape / form, 3 surface roughness, density, transparency, and 3D in one analysis, the CAMSIZER XL provides users with superior analysis capability that enables quick and confident decision-making regarding product quality
- | Industry leading size range provides the user with greater analysis flexibility to measure a variety of materials
- | The high-speed, high-resolution camera ensures multiple, vivid pictures of your material are collected which result in accurate analysis
- | Engineered to be able to handle the toughest environments, the CAMSIZER XL is adaptable for any lab setting
- | The self-cleaning mechanism allows a user to spend less time cleaning the instrument, and more time being productive

TYPICAL APPLICATIONS

Used in various fields such as: aggregates , building materials, fertilizers, food, geology / mining, glass beads, ...



cement



fertilizers



wood chips

To find the best solution for your particle characterization needs, visit our application database

TECHNICAL DATA

Measuring principle	Dynamic Image Analysis (ISO 13322-2 & 9276-6)
Measuring range	160 µm - 135 mm
Measurement parameters	The patented 3D measurement follows the ISO 13322-2
Measurement rate	> 100 images/s
Scale factor (µm / pixel)	160 µm / pixels
Camera pixel layout	2560 x 2048 pixels, 62 fps at max resolution
Light source	Stroboscopic light
Electrical	110-230 V / 50-60 Hz
Power consumption	Approx. < 100 Watt
Sample amount	> 2kg (depending on application)
Measuring time	~ 1 - 5 minutes (depending on application)
Physical specifications	Aluminum and stainless steel
Dimensions (W x H x D)	400 x 1229 x 1693 mm
Weight	~ 70 kg

www.microtrac.com/camsizer-xl