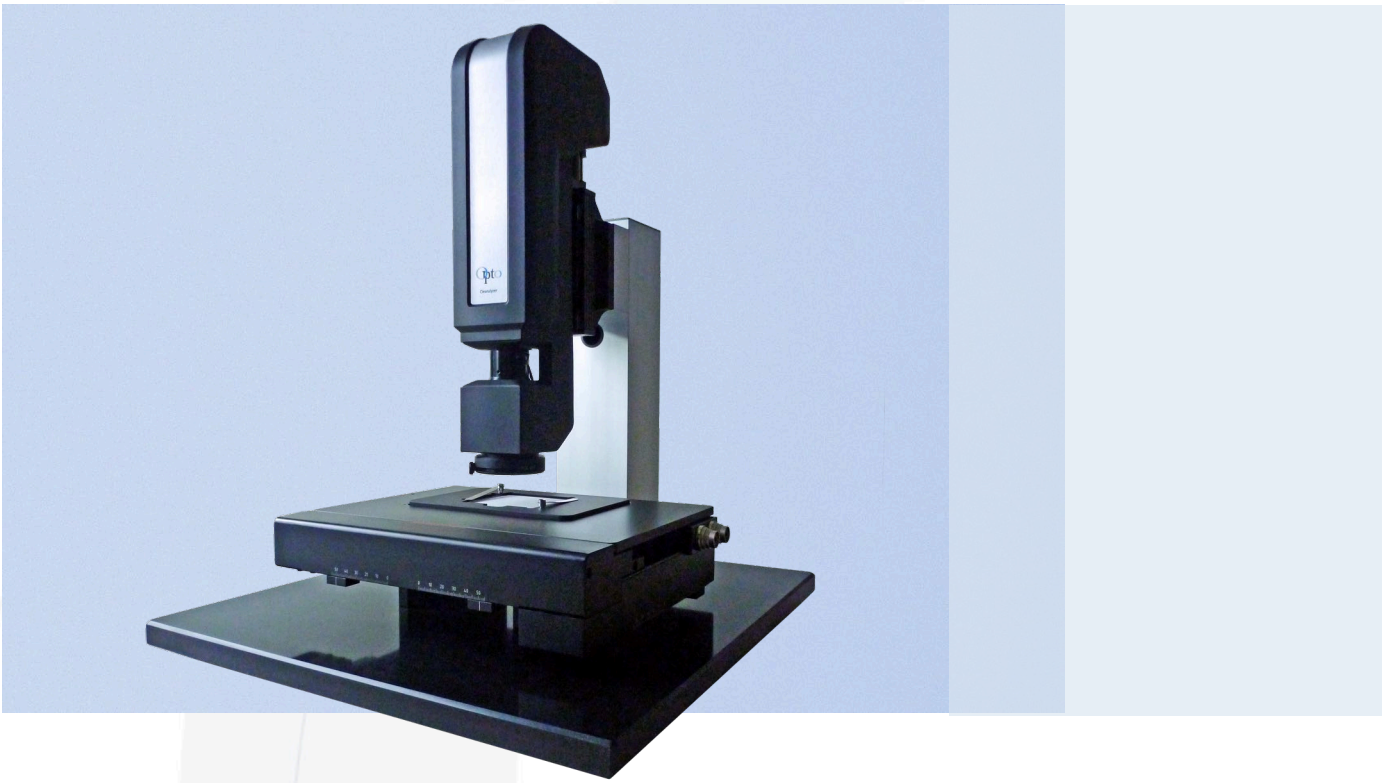
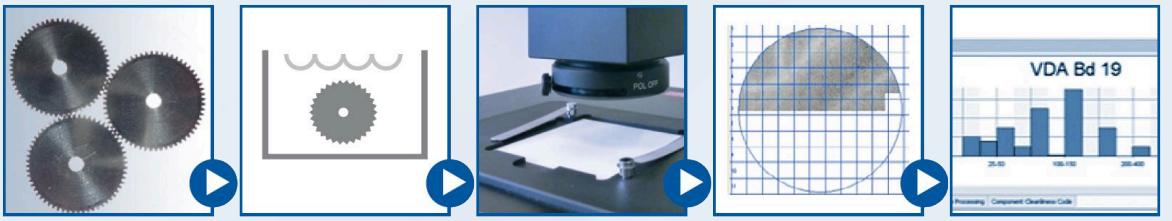
Cleanalyzer Professional 5 µm



Technical Features

Cleanalyzer Professional is a precision engineered analytical system designed to examine microscopic debris capture on filters – a key procedure in performing reliable and reproducible evaluation of components cleanliness.	
High-resolution optics	optical zoom system
Stage	PC controlled x/y/z axis with joystick
Illumination	LED ring light
Software	comprehensive analysis and reporting package included
Smallest measureable particle (according to VDA Vl. 19)	4 µm
Maximum digital resolution (according to VDA Vl. 19)	~0.4 µm per pixel
Measuring speed per filter (filter Ø 47 mm)	~1 min @ low magnification ~40 min @ high magnification
Object field x	~5.6 – 0.8 mm
Accessories	
043-102302-72	Particle standard target
043-102302-75	Particle standard target (incl. certificate)
043-102302-93	Dust cover
043-102302-74	Frames for filter samples

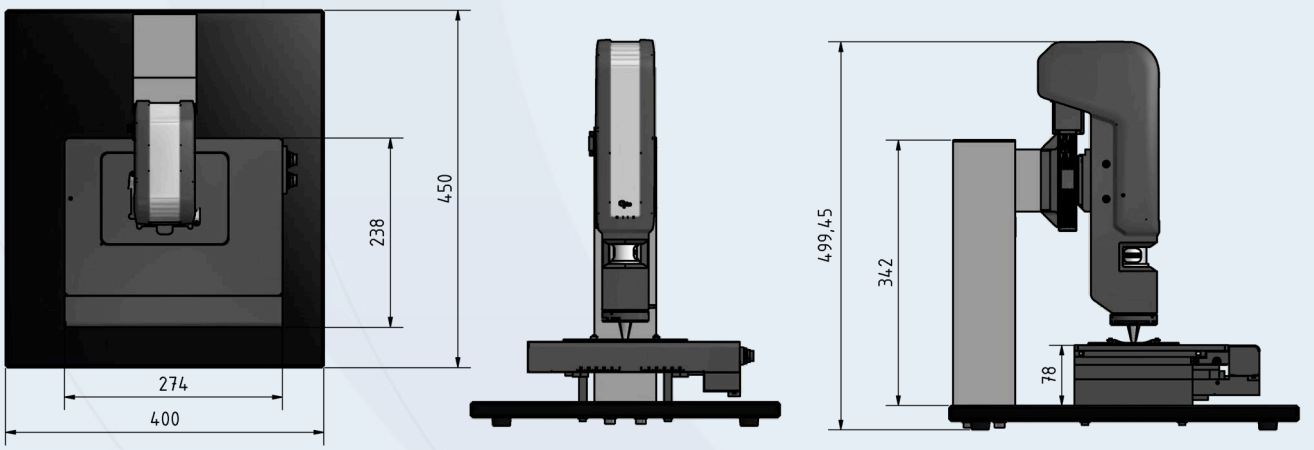
Additional common features



Cleanalyzer Professional gives you the tools to precisely and repeatable document the cleanliness of your parts. Cleanalyzer Professional software suit is providing analysis of single particles, different particle classes or types.

- Live result feed during scan
- Configuration and storage of different system setups for various measuring tasks
- Easy export function for all analyzed data into Excel and database
- Compilation of overview images
- Efficient particle processing (e.g. separation of overlapping particles)
- Standards ISO 16232 and VDA VI. 19 are included, easy user-creation of own standards
- Calculation of Component-Cleanliness-Code (CCC) according to ISO 16232
- Automatic detection of particle types (e.g. metals or fibers)
- Analysis of number, shape, size and classification of particles
- Evaluation of more than 50 particle parameters for each article (length [according VDA], width, area, fiber length, fiber width, brightness, reflecting rate and many more)

Technical Drawing



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