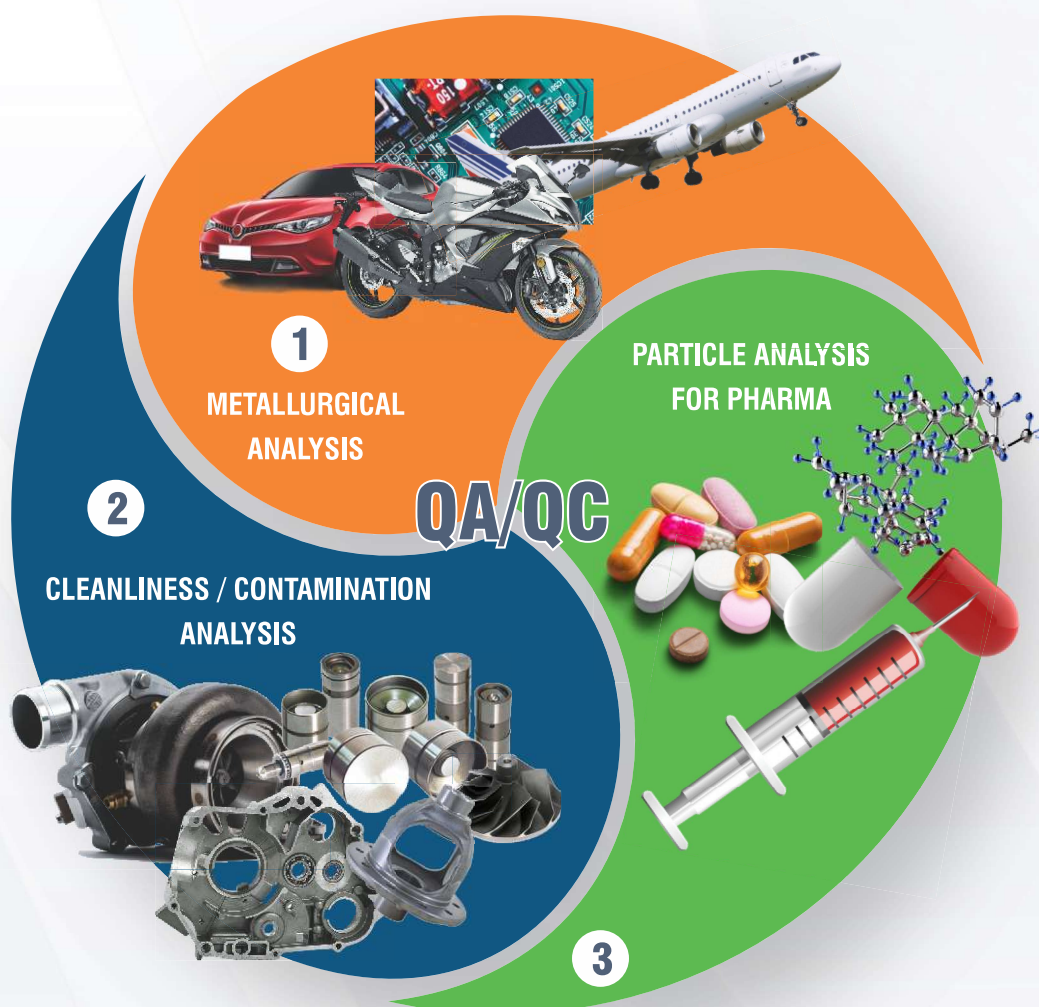


QUALITY CONTROL SOLUTIONS



METALLURGICAL ANALYSIS

- Sample Preparation Machines
- Microscopes
- Image Analyzers
- Microhardness Tester

CLEANLINESS / CONTAMINATION ANALYSIS

- Particle Analysis Systems
- Contamination extraction and filtration chambers
- Millipore contamination kit, Ultrasonic Cleaners, Oven, Balance
- Compliance to ISO16232-19, VDA19.1, ISO4406/07 and OEM standards
- Commercial Testing Laboratory

PARTICLE ANALYSIS FOR PHARMA

- PSA systems
- 21CFR Part 11 Compliant
- Motorized Systems for PMT - USP 788/789, ISO 13322, ISO 8871 etc.
- Microscopes

METALLURGICAL ANALYSIS SOLUTIONS

Conation is deeply rooted in Metallography since the inception and having an experience of more than 25 years in microstructural analysis. Conation offers end to end solution for metallography from sample preparation to detailed microstructural analysis for any of the metallurgical field.

Applications

- Inspection in Forging, casting, powder metallurgy, steel mills, Heat treatment plants
- Automotive components
- Aerospace, novel materials, electronics
- Metallurgical QA/QC labs, commercial testing labs
- Material research
- Academics and institutes

Sample Preparation Machines

- Abrasive cutting machines
- Precision diamond sectioning machines
- Hot mounting Press, cold mounting set up
- Rough belt grinders
- Grinding, polishing machines
- Consumables
- Various automation options



METALLURGICAL ANALYSIS SOLUTIONS

Microscopes and it's Automations

Conation has extensive and finest range of Inverted/Upright Metallurgical Microscopes with excellent optical systems and resolutions for analyzing complex metallurgical microstructures; Stereozoom microscopes for failure, macro, surface and defect analysis.

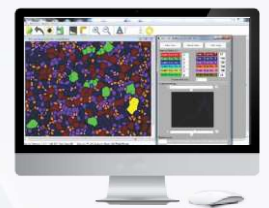
- Excellent optics, infinity systems with greater resolution
- Illumination and observation modes – brightfield, darkfield, polarizer, DIC etc
- Wider magnification range
- Digital imaging capabilities
- Automated stages and scanning options



Image Analyzers

Conation has its heart in development of Image processing and analyzing tools for various applications, which also is a strength of our all Image-based refined products

- Dedicated Image analyzing systems for Metallography (material science), Welding, Textile, Printing, Clinker, and Powder & particle analysis
- Specific needs, customization and up-gradation addressed through highly proficient development team
- German Made cameras - 5 MP, 10MP, 12.1 MP, 20 MP USB 2.0/3.0
- Precise, dependable, highly reproducible results with customized reporting
- Compliant to all relevant ASTM, JIS, DIN, ISO, IS standards



Microhardness Testers

Various models such as Manual, Digital, Semi-automatic and fully automatic Microvickers hardness tester with motorized stage, turret, load cell based technology and feedback loop.



CLEANLINESS ANALYSIS SOLUTIONS

Critical components going into fluid or air circuitry, engine components and some transmission assemblies are need to be free from particle contamination arising from manufacturing and assembly process. Particle contamination beyond limit will invariably affect the performance of the component during its life cycle.

Applications

- Engine, Transmission, Braking components
- Fuel and hydraulic line components
- Electronic components
- Fluids – Fuel, oils, coolants etc
- Aerospace components
- As per VDA19.1, ISO16232-2018, ISO 4406 & 4407, ASTM F312 etc
- AS per OEM standards such as Cummins, Caterpillar, Honeywell, VW, Volvo, GM, John Deere, Ducati, Continental, ZF and many more

PARTICLE ANALYSIS SYSTEMS

Extensive model range from basic manual system to fully automated system

- Particle size measurement right from 1 micron
- Quick scanning and faster processing to deliver the report in short time
- High resolution optical system
- High resolution German made camera
- High precision motorized stage with XYZ automation; programmable
- State of the art, Unified and simplified user interface software; user friendly navigation
- Options for 25 mm, 47 mm and 90 mm filter paper scanning and analysis
- Specially designed Database and Reporting software
- Customizations





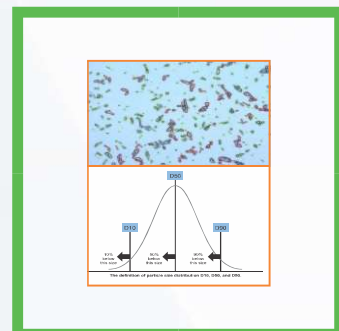
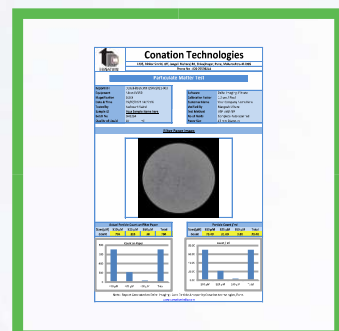
PARTICLE ANALYZERS AND MICROSCOPES FOR PHARMACEUTICAL APPLICATIONS

Comprehensive optical microscope based particle analyzers from Conation Technologies that captures the multiple images, analyzes all the images, measures the particles for their various attributes, classifies, distributes and offers in-depth report as per requirement.

Nikon's optical technology captures specimen details with stunning clarity and true colors. These highly evolved microscopes offer high optical quality for routine analysis with more flexibility.

With the attachment of motorized stages, analysis is taken to the next level and complied strictly as per standards.

- Complete sample scanning
- 21CFR Part 11 compliance
- Qualification Documentation - IQ, OQ and PQ documents
- D Values (D10, D50, D90)
- Intelligent Agglomerate separation
- Particulate Matter test - USP 788/789, USP 1788 ISO 13322, ISO 8871
- Automated Particle Count within 96-well plate
- Digitally archiving of test slide at higher magnification for database, remote diagnose and training
- Up-gradation of any existing microscope like Nikon, Zeiss, Leica, Olympus etc



The ones who believed in our products



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