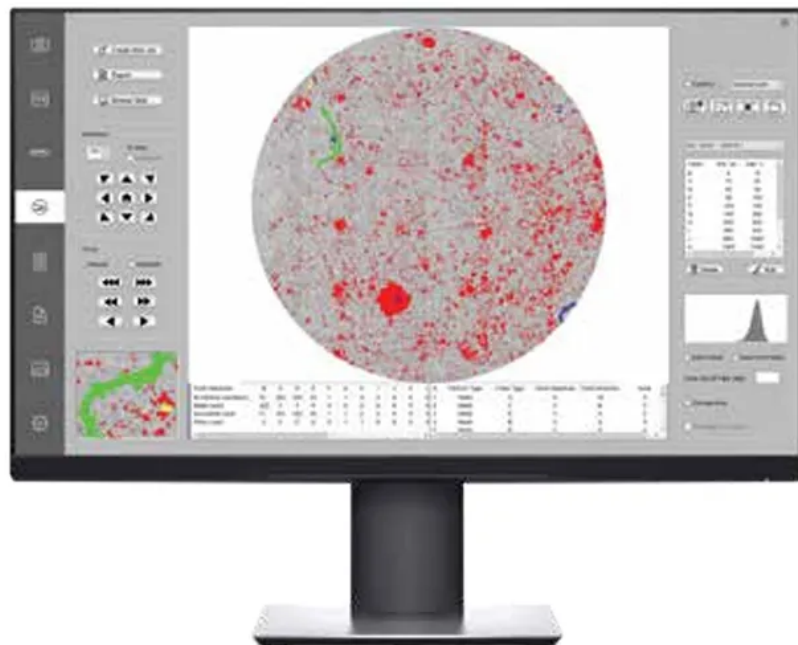




TORONTECH



CLEANLINESS & PARTICLE ANALYSIS SOFTWARE - TORONCPA™

Cleanliness & Particle Analysis Software - ToronCPA™ offers a user-friendly and efficient solution for delivering accurate, consistent results tailored to your specific application—within minutes.

APPLICATIONS

Applications Include

1. Particle Analysis System for Component Cleanliness
2. Particle Analysis System for the Medical and Pharmaceutical Industry
3. Particle Analysis System for Aerospace
4. Particle Analysis System for Hydraulic Systems

Cleanliness & Particle Analysis Software ToronCPA™

Standards & Compliance

The system allows selection from multiple standards, including ISO 16232, ISO 4406/4407, IEST-STD-CC1246D, USP 788, VDA 19.1, and more. It also supports the creation of custom in-house standards for specialized analysis. Fully compliant with FDA 21 CFR Part 11, the system features D-particle size distribution capabilities.

Cleanliness & Particle Analysis Software ToronCPA™

FEATURES

Cleanliness & Particle Analysis Software - ToronCPA™

Easy to Use and Operate

The system delivers accurate, automated detection of various particle types on samples, aligned with user-defined standards.

1. Users can create custom analysis classifications and work in real time with a smooth, intuitive workflow.
2. Classes can be created, modified, edited, or deleted based on different standards.
3. Real-time particle count and distribution are provided according to a range of industry standards.

Cleanliness & Particle Analysis Software ToronCPA™

Flexibility in Analysis

1. The Cleanliness & Particle Analysis Software ToronCPA™ automatically adapts to various sample sizes and types in real time, based on user input.
2. Supports a wide range of industry applications with compatibility across multiple standards and reporting formats.
3. Includes interactive annotation and measurement tools for enhanced analysis.
4. Capable of generating reports in multiple formats to meet specific user requirements.

Cleanliness & Particle Analysis Software ToronCPA™

Results and Reporting

The Cleanliness & Particle Analysis Software ToronCPA™ automatically detects and counts metal, non-metal, and fiber particles with speed and accuracy.

1. Particles are classified into cleanliness levels according to the selected standard.

2. Fully aligned with the latest cleanliness analysis standards.
3. Provides detailed reports, including class specifications, largest particle dimensions, and component cleanliness codes as defined by industry guidelines.
4. Reports can be easily generated in Excel (default), HTML, or PDF formats based on user needs.

Microscope Compatibility

1. Compatible with metallurgical microscopes from Olympus, Nikon, Leica, and others.
2. Supports motorized microscope stages from Märzhäuser Wetzlar, Standa, Prior Scientific, Zaber, and more.

Cleanliness & Particle Analysis Software ToronCPA™

Full Motorized Control

The system offers complete motorized stage control directly through the software interface, enabling precise and efficient navigation.

Full-Screen Interface

The Cleanliness & Particle Analysis Software ToronCPA™ features a full-screen layout, giving users ample workspace to clearly view samples and perform detailed analysis.

Automatic Z-Focusing

Automatic Z-focusing at multiple levels ensures consistently sharp images, supporting accurate and reliable measurements.

Cleanliness & Particle Analysis Software ToronCPA™

Live Sample View

For easy navigation, all essential camera settings are available directly on the main window, allowing users to browse live samples effortlessly.

Flexible Classification Options

The Cleanliness & Particle Analysis Software ToronCPA™ supports an unlimited number of classifications, each customizable

with specific class sizes, descriptions, and ranges.

Comprehensive Analysis Results

In addition to cleanliness coding and classification, the software provides detailed data for each particle, including full morphological parameters.

Cleanliness & Particle Analysis Software ToronCPA™

Easy Verification, Review, and Editing

Users can easily select any particle to view a magnified image, with its corresponding parameters highlighted in the list. Particles can be closely inspected, and their type, class, or status can be modified or deleted as needed.

Real-Time Particle Size Distribution

The Cleanliness & Particle Analysis Software ToronCPA™ displays particle count distribution by type in real time, updating instantly as edits are made.

Detailed Particle Description

Each detected particle is listed with its type, class, and complete morphological parameters for thorough analysis.

Cleanliness & Particle Analysis Software ToronCPA™

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Detailed Report Data

The Cleanliness & Particle Analysis Software ToronCPA™ generates comprehensive reports that include client information, particle count distribution, cleanliness codes, and additional particle count parameters.

Cleanliness & Particle Analysis Software ToronCPA™

Particle Distribution Reporting

Particle distribution is reported as actual values, per component, and per 1,000 sq. cm.

Cleanliness & Particle Analysis Software ToronCPA™

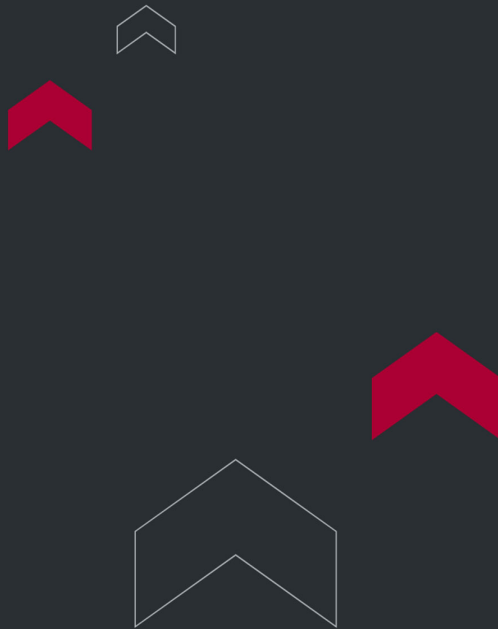
Particle Cleanliness Code

Cleanliness codes are provided as actual values, per component, and per 1,000 sq. cm.

Cleanliness & Particle Analysis Software ToronCPA™

Largest or Selected Particles

Reports include the largest or user-selected particles, along with their dimensional parameters.



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