

Mastering Surface Roughness for Unmatched Quality

Ra/Rz Surface Roughness Control

Experience precise surface analysis with **Troika's Surface Roughness software**. 3D scans measure roughness, peak density, and skewness, ensuring superior quality control and deeper surface insights.

KEY FEATURES

Both **AniCAM HD™ *Plus*** and **SurfaceCAM HD™** use high-resolution 3D scanning to deliver precise, real-time measurements of surface roughness.

Surface Roughness Analysis

(Ra & Rz) Provides a detailed overview of surface texture, measuring the average height and depth variations to ensure uniformity across all components.

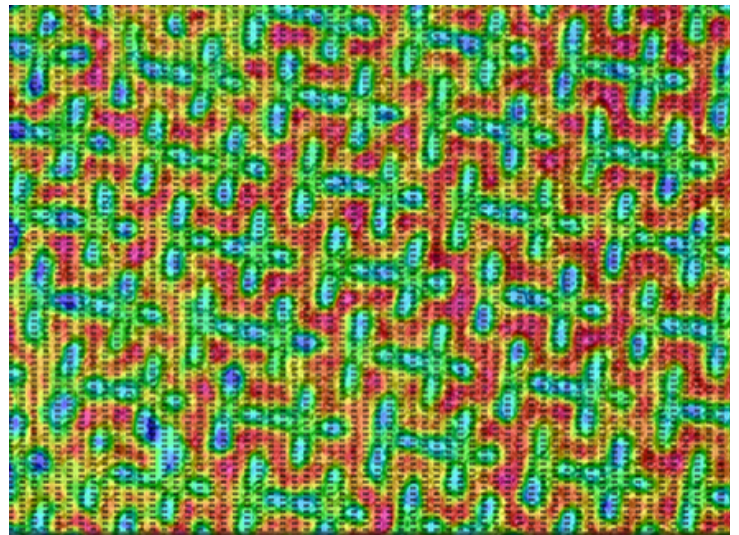
Peak Density (RPc)

Calculates the number of surface peaks per centimetre, critical for ensuring consistent ink transfer and coating applications.

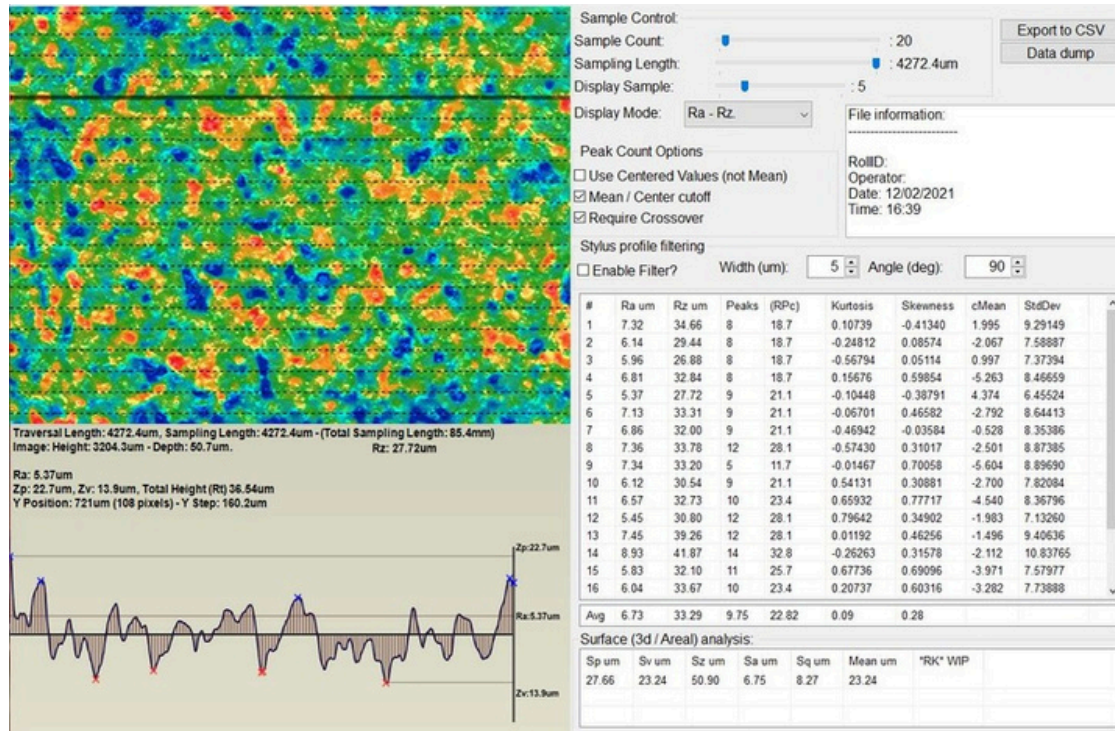
Skewness & Kurtosis (Rsk & Rku)

Analyses surface symmetry and peak distribution to detect potential issues with surface wear and bearing properties.

These comprehensive measurements enable fewer defects and overall enhanced production efficiency.



In the **Ra-Rz software**, users can select any point on the image to move the sample line and instantly view measurement values. Adjusting the sample count slider provides average data, with individual and average results for easy analysis.



The **RaRz Stylus** profile lets users adjust the filter size (1-100µm) from the nominal 5µm, offering unrivalled sensitivity to surface roughness based on sample needs.



WHY RA - RZ SOFTWARE?

Surface roughness impacts quality, coating adhesion, and durability. Inconsistent roughness leads to poor manufacture and defects like peeling. Early wear detection ensures smooth production and extends equipment life.

Stay ahead with **AniCAM HD™ Plus** and **SurfaceCAM HD™**. Boost efficiency and achieve flawless results. Contact us today to transform your quality control.

If you can't **measure** it,
you can't **control** it.

+44 (0)1793 766355
www.troika-systems.com
info@troika-systems.com

