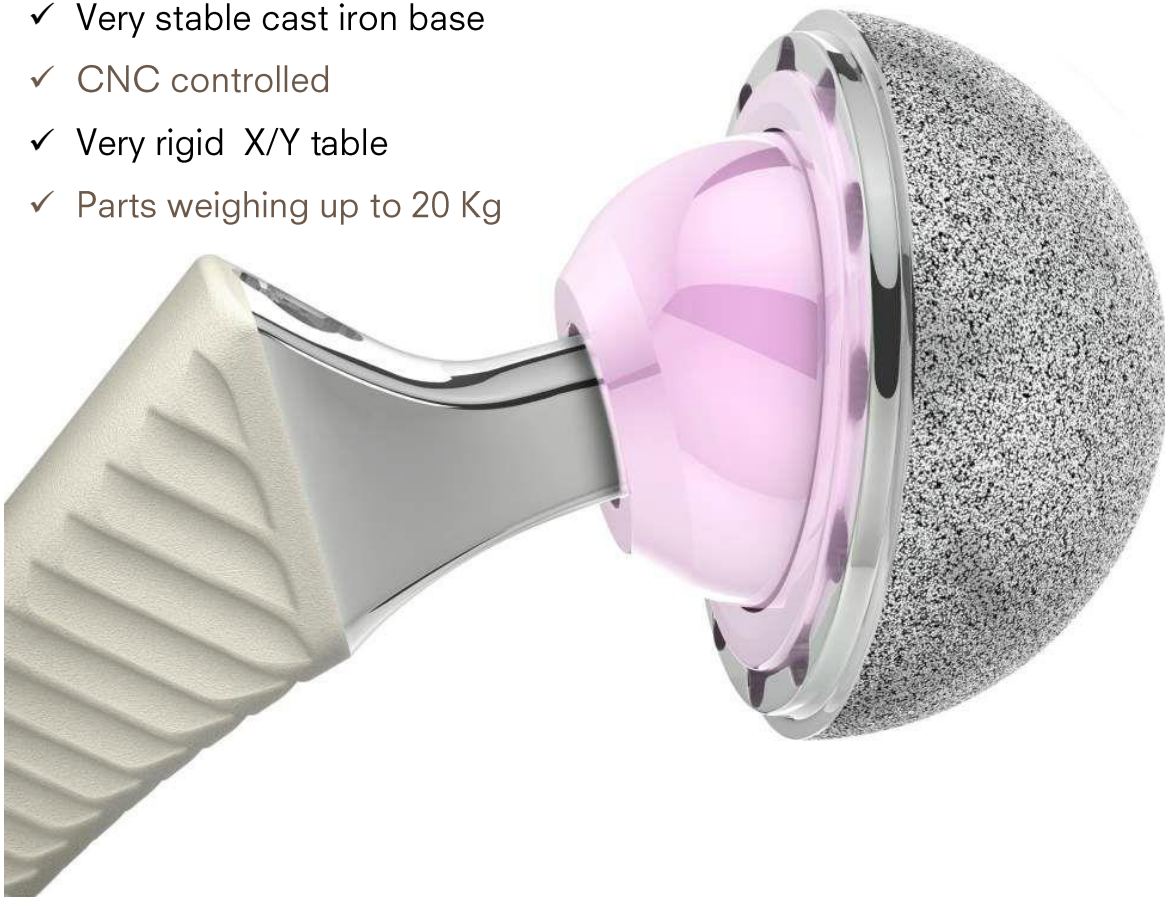


# TR Scan

Line of products dedicated to medical industry

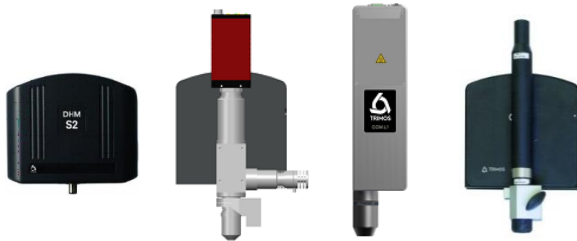
## TR Scan 3D

- ✓ Multi technologies
- ✓ Without contact
- ✓ Measurements on very reflective and transparent surfaces
- ✓ Sub-nanometric resolution
- ✓ Quick, replicable and reliable measurements
- ✓ ISO compatible results
- ✓ Very stable cast iron base
- ✓ CNC controlled
- ✓ Very rigid X/Y table
- ✓ Parts weighing up to 20 Kg



## INTRODUCTION

Trimos provides a unique, multi-technology solution allowing a wide range of measurement possibilities on reflective, non-reflective and transparent surfaces. The quick clamping system allows you to change the measuring head in seconds, without having to restart the application.

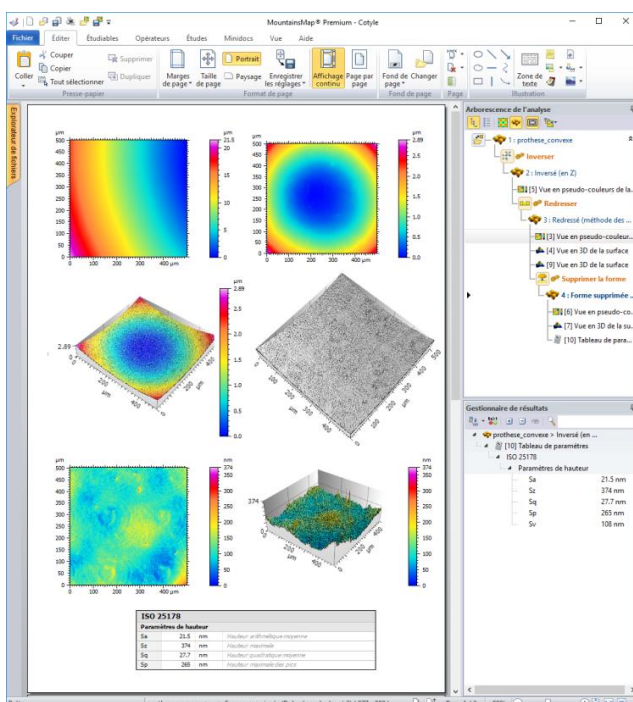
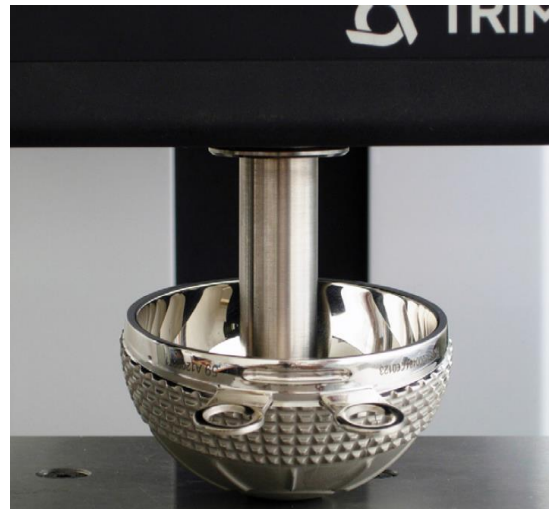


The wide choice of high resolution sensors, as well as an ultra fast line sensor and point sensors allow quick measurements on a large measuring range. High definition measurements are possible, according to the type of optics mounted on the system.

## PERFORMANCE

With its unique DHM technology, TR SCAN gives high resolution measurements within a few seconds.

The long, high precision optics allows the measurement of small roughnesses of a few nanometers in «2D» mode with standards roughness parameters Ra, Rz, Rq, etc., as well as in «3D» mode with all surface parameters such as Sa, Sz, Sp, Sq.

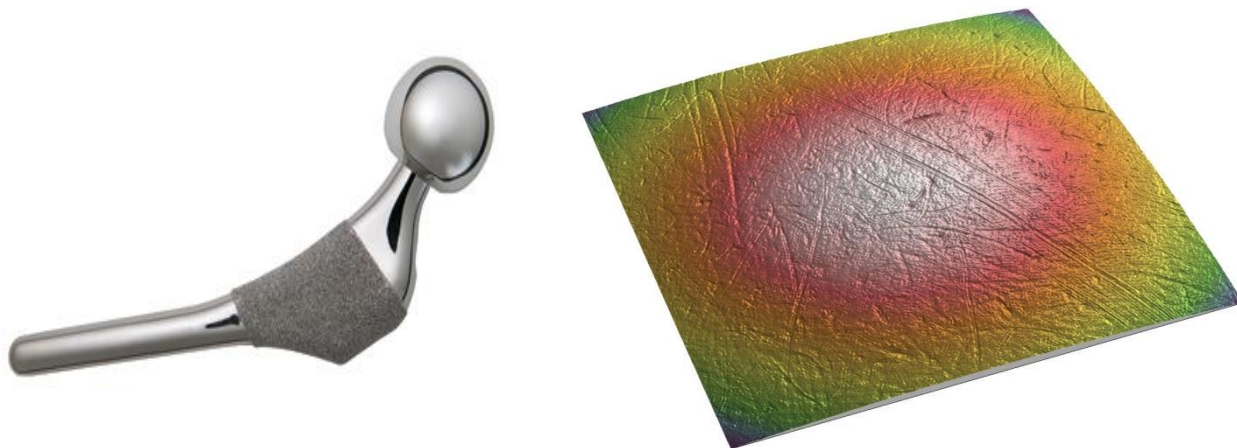


The post-treatment is carried out with our dedicated analysis program, allowing a great number of functions such as :

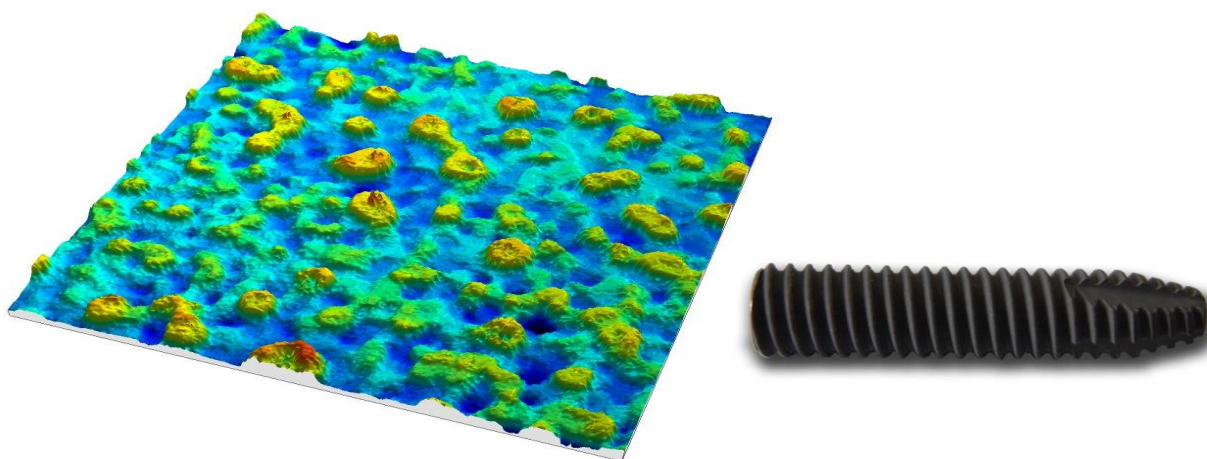
- Display of raw data in 2D.
- Leveling by subtraction or rotation.
- Display in 3D with height.
- Photorealistic display in 3D according to type of material.
- Suppression of form by spherical or cylindric polynomial.
- Flattening of the studiable.
- Parameters of surface roughness.
- More functions for the medical industry.

## APPLICATIONS

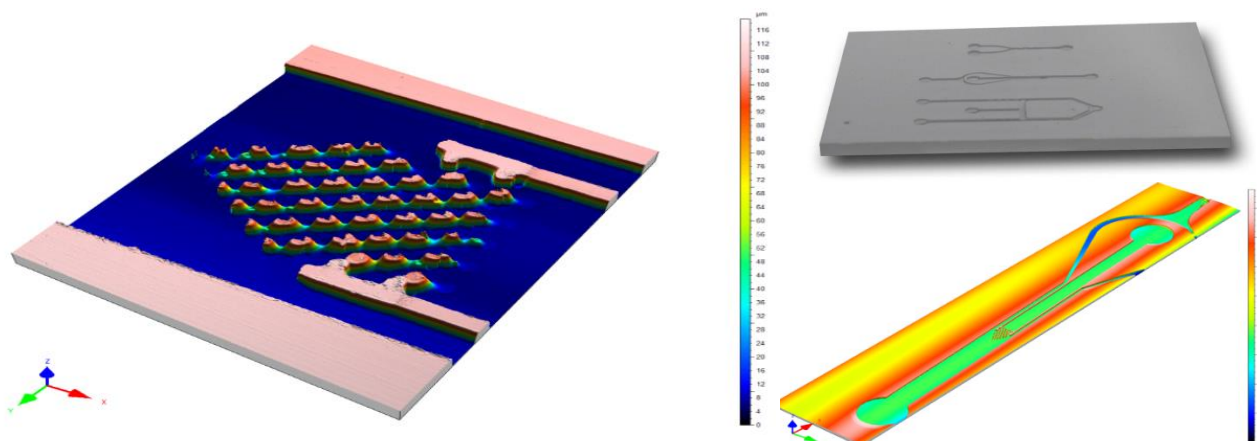
### Roughness measurement on a hip prosthesis



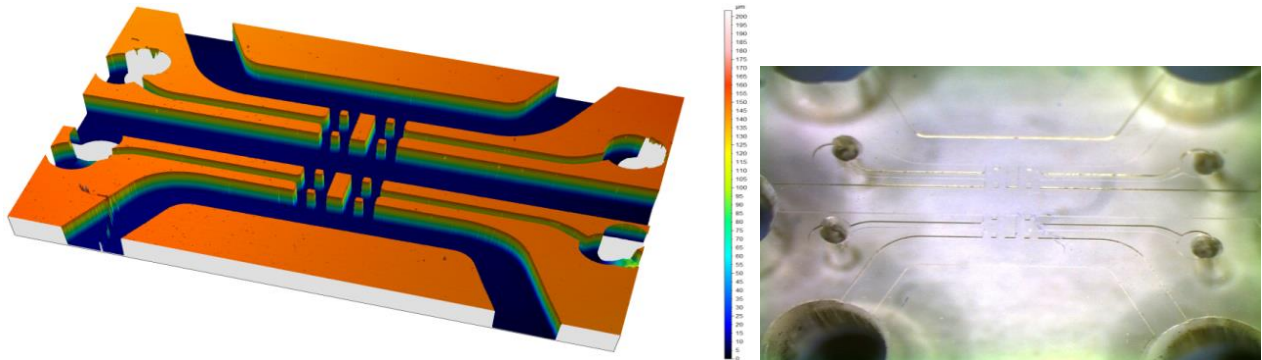
### Roughness measurement at the intersection of threads on a dental implant



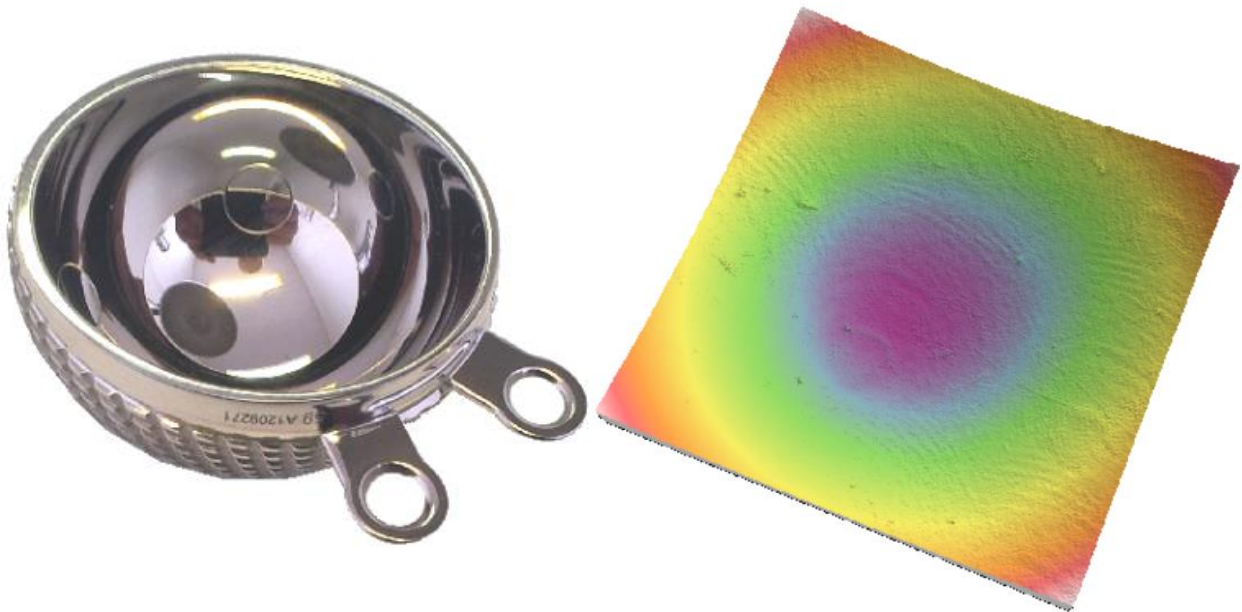
### Measurement of dimensions on a medical filter



**Thickness measurement between 2 peaks on a blood separation filter**



**Roughness measurement inside an acetabulum**



See our website for more applications: [www.trimos.com/tr](http://www.trimos.com/tr)

