

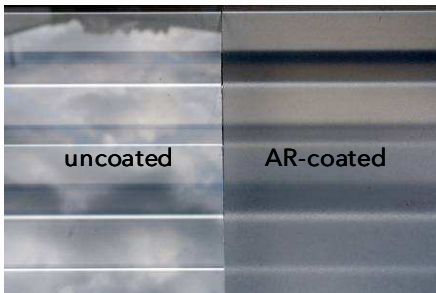


White Light Interferometry

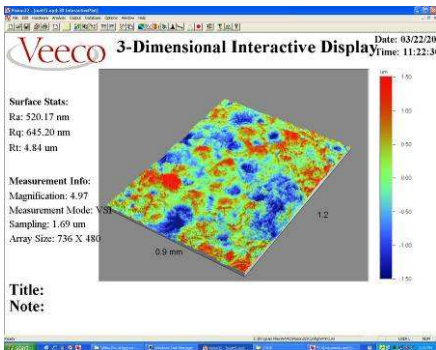
Research Centre for Microtechnology

tiny structures for big ideas

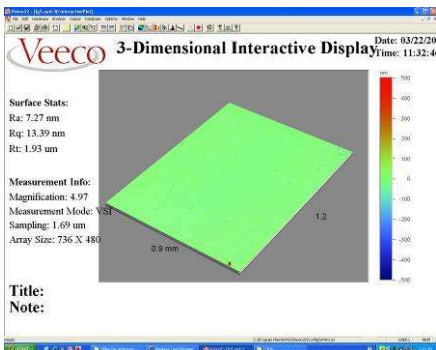
Information Sheet



Window glass



Surface roughness: AR-coated



Surface roughness: uncoated

A **white light interferometer** is an instrument used to analyze the surface topography of light reflecting surfaces. Parameters such as the surface roughness can be extracted from the data. The area of measurement is typically smaller than 1 mm².

Since the basis of the method is interferometry with light reflected from the sample, the surface of the sample has to reflect light.

The achievable resolution is in the order of a few nanometers.

Services

- Determination of surface roughness using standard and non-standard parameters
- Measurement of surface topography

Fields of application

- Roughness parameters Ra, Rq, Rz, of metal surfaces
- Surfaces of glass can be analyzed in most cases

Equipment

VEECO Wyko NT1100

Contact

Fachhochschule Vorarlberg
 (Vorarlberg University of Applied Sciences)
 Prof. (FH) Dipl.-Ing. Dr. Heinz Duelli
 Hochschulstrasse 1
 6850 Dornbirn, Austria
 Tel: +43 (0)5572 792 1008

heinz.duelli@fhv.at

<http://www.fhv.at/fhv-science/microtechnology>

