

Accurate topography measurement of large flat surfaces

Peter, F. Krey, S. Dumitrescu, E. Weingartner, I. Wurm, M. Winkler, H.

TRIOPTICS GmbH, Wedel, Germany;

Abstract

A new technology for the precise topography measurement of reflecting flat surfaces is presented in this paper. The instrument is capable of scanning large flats of about 500 mm². The instrument consists of a sensor head, which is an angle-measuring device, based on a CCD camera or a position sensitive detector (PSD). The sensor head includes a pentagon prism that reduces the pitch error in scan direction by a factor of about 100.

This paper appears in the proceedings of the Lasers and Electro-Optics Europe, 2003 Conference (CLEO Europe 2003)

Publication Date: 22-27 June 2003

On page(s): 467-

ISSN:

ISBN: 0-7803-7734-6

INSPEC Accession Number: 8167862

Digital Object Identifier: 10.1109/CLEOE.2003.1313530

Current Version Published: 2004-07-26