

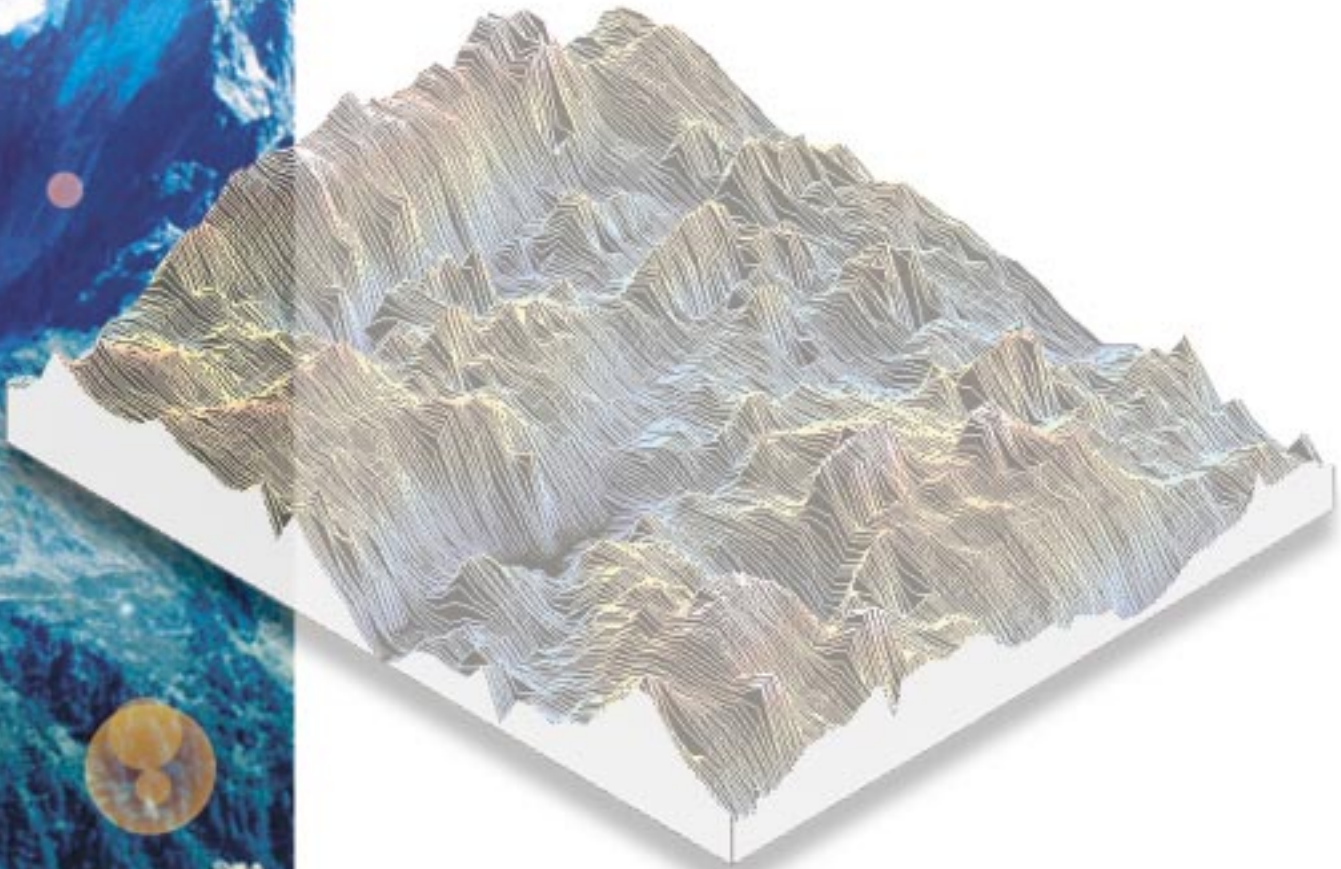
Precision is our business.



## Contactless 3D Topography Measurement

WAVESPEED 1010

WAVESPEED 1010 TOP

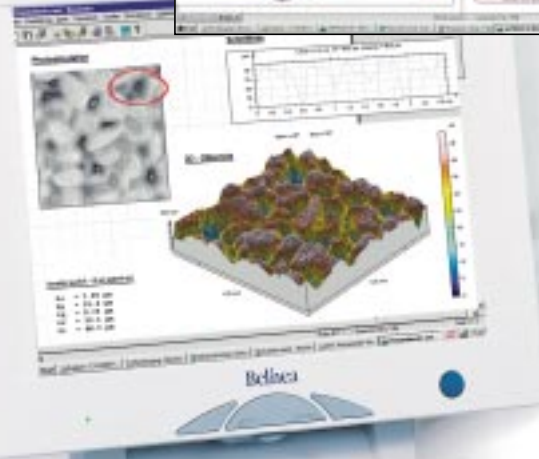
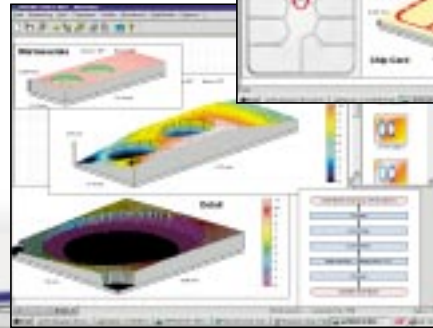
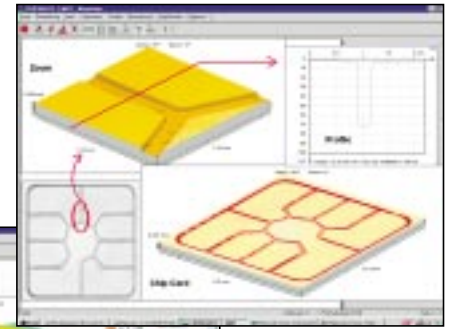


# WAVESPEED 1010. WAVESPEED 1010 TOP: FLEXIBLE

## SCOPE OF APPLICATIONS

- Fine machining
  - Measurement of form, waviness and roughness of precise mechanical parts
  - Topography measurement of fine finish-machined surfaces
  - Measurement of micro structures of metal and plastic parts
- Material technology
  - Corrosion and abrasion tests
  - Tribological examination
  - Characterisation of surfaces
- Electro-technics/Electronics
  - Determination of position, thickness of layer and volume of e.g. structures generated by serigraphy or etching
  - Measurement of levelness of heat sinks
  - Measurement of form and roughness of contact surfaces
  - Measurement of structures and contours on hybrid circuits
- Micromechanics
  - Dimensional measurement of micro mechanical structures e.g. of sensors, actuators and driving elements
- Sealing techniques
  - Measurement of form, levelness and roughness of metal, plastics, ceramics and rubber joints
- Paper industry
  - Measurement of position and direction of fiber structures in papers
  - Measurement of embossing structures

Evaluation unit with topography software HOMMEL MAP EXPERT + Printer



WAVESPEED 1010. WAVESPEED 1010 TOP.

# 3D TOPOGRAPHY MEASUREMENT- FAST AND EASY

The WAVESPEED 1010 (TOP) is a versatile system for measuring 3D topographies. Optical sensors guarantee a fast measuring rate with high measured value resolution. The HOMMEL MAP EXPERT software enables measurement control in real time and offers extensive analysis facilities for the recorded topography data.

## THE ADVANTAGES IN DETAIL

- Flexible: Measuring area 10x10  $\mu\text{m}$  up to 100x100 mm, 2D and 3D analysis functions
- Fast: Bi-directional measuring data recording, high scanning speed
- Precise: High resolution in X-/Y-/Z-direction, unequivocal representation of results
- Comfortable: Simple use via Windows user interface and device keyboard, automatic measuring run
- Versatile: Extensive evaluation functions such as alignment, zoom function, form removal, filter, photo simulation, 3D displays, intersection lines, profile analysis, 2D and 3D surface texture parameters

