

## Datasheet of the IKTA3/178 project

### I. *Quality Control System Based on Digital Imaging Spectroellipsometry*

Project start: March 1, 2001, duration: 25 months.

Amount of support: KHUF 22 000, total project cost: KHUF 44 000.

Project leader: **Fried Miklós**

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Project URL: <<http://www.kfki.hu>>

### II. Consortium members (number of members = 2, the first member is the project co-ordinator)

no	name	support	total cost
1.	Hungarian Academy of Sciences, Research Institute for Technical Physics and Material Science	KHUF 16 550	KHUF 33 100
2.	Hungarian Academy of Sciences, Research Institute for Solid State Physics and Optics	KHUF 5 450	KHUF 10 900

### III. Public presentations

Presentation #1 (28-január-2001): HTML (52 KB)

Presentation #2 (14-november-2001): HTML (2348 KB)

The presentations are accessible through a special webpage summarizing the project presentations.

### IV. Goals of the project

A new technique\* and device for fast testing of polarization state changes after reflection from large surfaces is being developed. Conventional ellipsometers and other optical methods measure at one oblique angle and a single point of the sample making these methods relatively slow for mapping purposes. The new technique uses divergent illumination from a point-like light-source and after reflection from the target the image is acquired on a CCD-camera giving multiple-angle-of-incidence and mapping information. (\* Patent pending)

### V. Project results (in case of finished projects)

The project is not finished.

### VI. Data on consortium members (number of members = 2)

#### 1. *Hungarian Academy of Sciences, Research Institute for Technical Physics and Material Science* (co-ordinator)

URL: <<http://www.kfki.hu>>

Support for the co-ordinator: KHUF 16 550, and its total cost: KHUF 33 100.

Contract number: OMFB-00209/2001.

Team leader: **Fried Miklós**

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2. *Hungarian Academy of Sciences, Research Institute for Solid State Physics and Optics*

URL: <<http://www.kfki.hu>>

Support for the consortium member: KHUF 5 450, and its total cost: KHUF 10 900.

Contract number: OMFB-00210/2001.

Team leader: **Horváth Zoltán**

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