



## Re: RK Tech (Hungary) Exclusive Partner

To whom it may concern

Herewith we certify that KP Technology Ltd is the only commercial manufacturer currently able to supply Air Photoemission Systems (Patent Protected) with Scanning Kelvin Probe plus our Surface Photovoltage and Surface Photovoltage Spectroscopy modules (APS04). We declared also that the mentioned systems are fully **patent protected**, and they fulfil the following specifications, compliant with the Customer's request:

### Features

- Work Function by Photoemission in Air
- Density of States Measurements
- 3.3eV to 7.0eV Energy Range
- Measurement of  $E_v$ , HOMO levels
- Contact Potential Difference ( $E_f$ ) by Kelvin Probe

### Applications

- Organic and Non-Organic Semiconductors
- Metals
- Thin Films
- Solar Cells and Organic Photovoltaics
- Corrosion

System Specifications	APS04
Kelvin Probe 3-Axis Scanning	√
Surface Photovoltage	√
Surface Photovoltage Spectroscopy	√
Tip Material / Diameter	2 mm Gold Tip
Work Function Resolution	<3meV
Height Control (Auto)	25 mm Automatic
Kelvin Probe Mode	Full CPD measurements
CPD Measurement Time	CPD measurements in <1 min
PE Mode	Full Photoemission measurement
WF Measurement Time	PE measurement in <5 mins
DOS Measurements	Full access to DOS Information
Optical System	Colour Camera with Zoom Lens and Monitor for positioning
Oscilloscope	Digital TFT Oscilloscope for Real Time Signal
Test Sample	Gold, Aluminium and Silver Test Samples
Main Faraday Enclosure Base (mm)	450 x 450mm
Control Supplied	PC Control with Dedicated Software

**We declare that RK Tech Ltd. (Hungary, 1163 Budapest, Koszal u. 6., EU VAT) is our exclusive partner in respect of project/call for proposal of University of Szeged Faculty of Science and Informatics.**

With kind regards,

*Lain D. Baikie .*

Prof. I. D Baikie MBE  
CEO  
Wick, UK 18 Jan 2017