



Compass Technology Company Limited

金柏科技有限公司

Suite 10, 5th Floor, Chiaphua Centre, 12 Siu Lek Yuen Road, Shatin, New Territories, Hong Kong.

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Surface Profilometer to Support the Development of Innovative Flexible Substrate Fabrication

Expression of Interest are invited from suppliers who wish to submit a tender

1. Background Information

Surface profilometer is critical equipment for various surface characterizations, especially for morphology study. To support a new project that required extensive analysis on material surface at nano-scale level for precision manufacturing, Compass Technology Co., Ltd. is currently looking for capable vendor to provide the equipment with the related services.

2. Equipment Requirement

The surface profilometer has to be capable of high resolution profiling with state of the art technology for any type of flexible substrate material like Copper, Nickel, and Au. The equipment has to be equipped with compatible computer software for accurate & precise data acquisition and processing. Key requirements are as follow:

Surface Profilometer	
Capability	Non-contact, 3D, automated XY stage, suitable for any material
Objective lense	Standard range up to 115x Long range up to 10x
Field-of-view multiplier	Up to 2x
Field-of-view	Up to 7.5 mm x 5 mm
Light sources	Long life-time green and white LEDs
Sample dimension	Up to 350 x 300 x 300 mm (H x D x W)
Vertical resolution	<0.1 nm
RMS repeatability	0.004 nm
Step height	0.75% accuracy; <0.12% 1 sigma repeatability
Computer Software	
Capability	2D & 3D profile (both graphical and numerical representation), stitching feature, surface roughness parameters identification

After fulfilling the above requirement, decision will be made based on other relevant additional features and the cost offered.

3. Key Dates (Tentative)

Tender issue	7/3/2018
Tender return	21/3/2018
Contract award	28/3/2018
Contract completion	2/4/2018



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4. Expressions of Interest

In order to be considered for pre-qualification, interested parties having the relevant resources, qualifications, and experiences according to the scope of work are requested to express their interest through email to kelvin_pun@cgth.com on or before 21 March 2018

5. Deadline to Return Answers/Information

Upon expression of interest, the suppliers will receive invitation of pre-qualification via email. The supplier shall complete and submit all information and details no later than the specified date on the invitation email.

For enquiries, please contact Mr Kelvin Pun via kelvin_pun@cgth.com