

英洛特科技有限公司

Elite Research Tech Corp.

TGV檢測方案 – 3DNIR



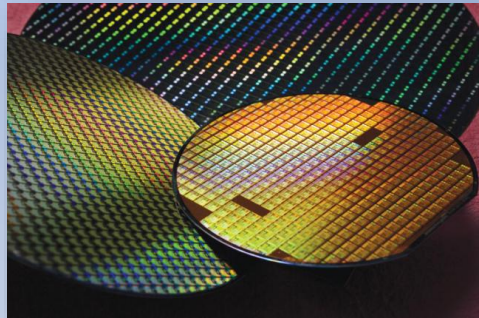
COMPANY PROFILE



英洛特科技位於台灣矽谷新竹市，於2022年成立的新創公司。由一群在半導體領域閱歷豐富的工作者一同設立。以共存共融、永續經營為目標。具有設備、耗材銷售經驗以及自動化整合方案，提供半導體客戶更完善且創新的解決方案

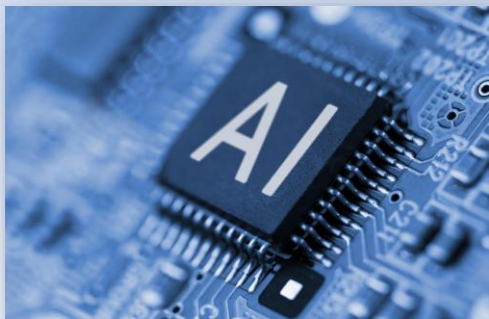
憑藉現有的技術與產品預計朝向先進感應測試裝置發展，期待在不斷進步的半導體領域中提供更多優勢技術。

COMPANY PRODUCTS



**FRONT
END**

- **Single Clean**
- **AOI Solution – 3D NIR**
- **Vacuum Panel**
- **Chiller**
- **Special Machined Parts (SiC)**



**BACK
END**

A. Non-destructive imaging

--Similar to ultrasound imaging, reconstructing the spatial structure information of sample by detecting optical backscattering signals at the different depths of the sample.

B. Tomography

--Three-dimensional microstructure of sample enables inspection from various viewing angles.

C. Optical resolution

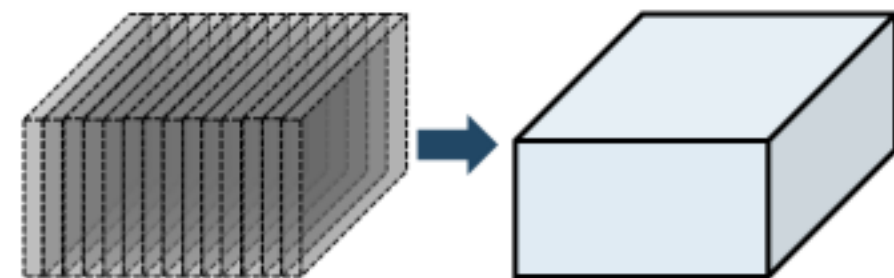
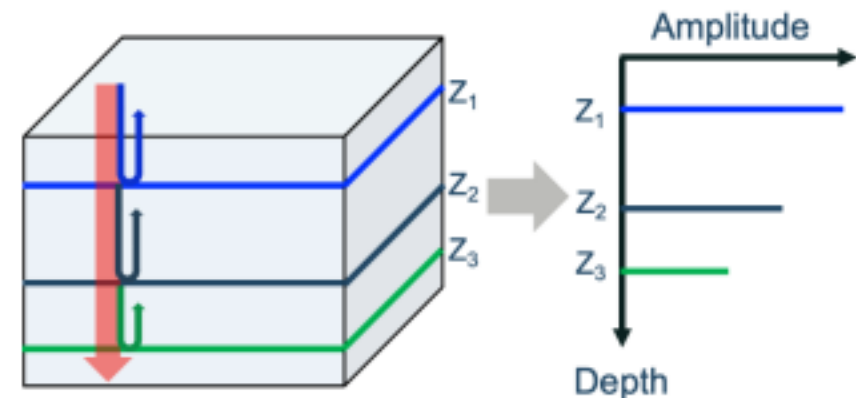
--Providing customized design requirements with an optical pixel resolution up to $1 \mu\text{m}/\text{pixel}$.

D. High optical imaging depth

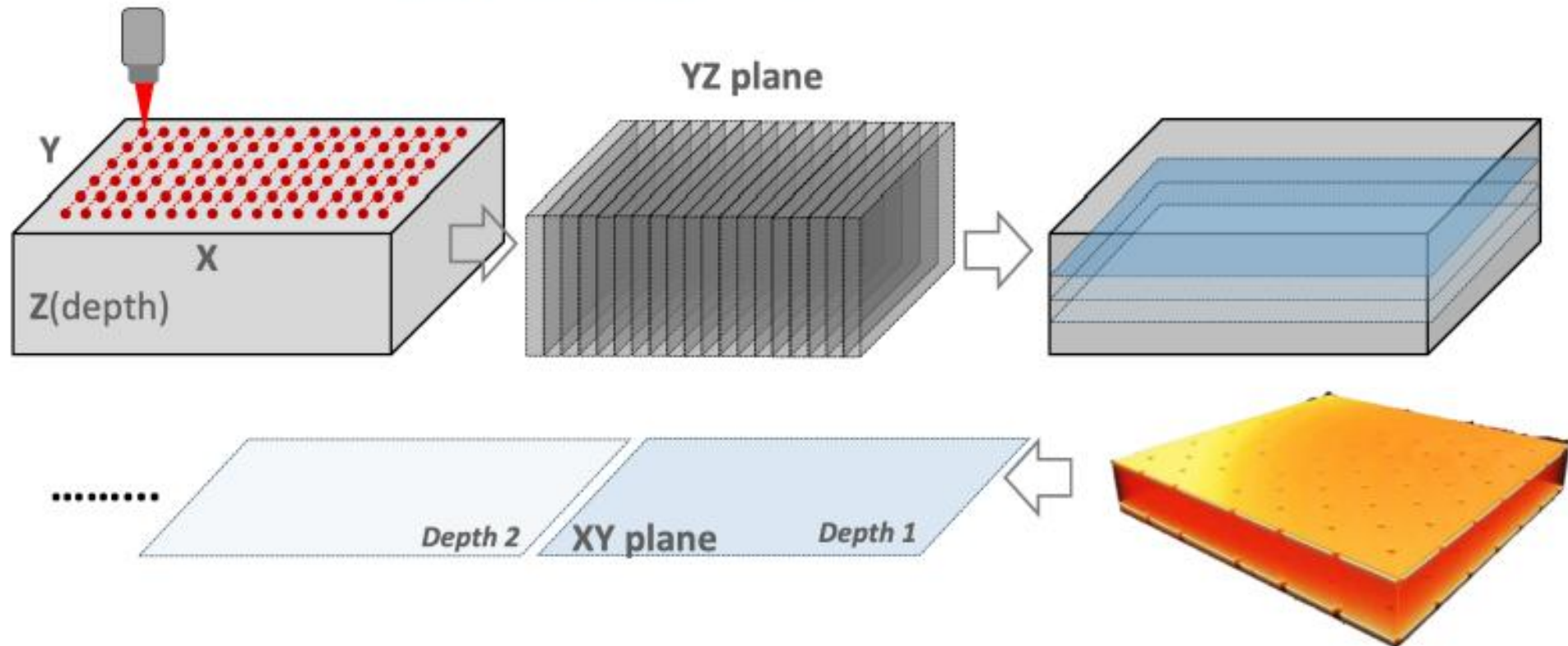
--With near-infrared ray, it can penetrate non-metallic samples with a penetration depth of $\sim 2 \text{ mm}$.

E. Spatial dimension measurement

--Similar to functions of microscopes and white light interferometers, it can measure planar and depth dimensions.



- Low-power near-infrared ray (SWIR spectral range)
- 3D imaging with an imaging depth of 2 mm
- Up to 1.2 μm pixel resolution
- Multi-view angle inspection



THANKS!

Any Questions?



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我沒有特殊的天份
只是熱切地充滿好奇
~愛因斯坦, Albert Einstein