Dear Microsoft Quantum (Sydney) Team,

Based on our discussions, please find below an offer for a fully automatic wafer inspection Solutions Lab module along with automatic detection and navigation to the center line feature and image denoising.

The total price for the module is 20,000 Euros.

Please don’t hesitate to contact us in case of any questions.

Best Regards,

Manoj Mathew

# Offer for custom solutions

**Overview**

Microsoft Quantum, Australia acquires Light Microscopy (LM) images to inspect and detect breakage points in semiconductor wafers. Their interest lies in fully automatic wafer inspection and breakage point detection. It also includes guided acquisition to automatically detect and navigate to the center line feature in the wafer image as well as image denoising.

**Description of Software Modules:**

**Software Module [Automatic Wafer Inspection and Breakage Point Detection]**

The fully automatic wafer inspection and breakage point detection module enables the user to input a CAD image and rest of the workflow involving automatic wafer inspection and navigation followed by breakage point detection and further high resolution imaging of the breakage point happens automatically. The pictorial representation of the proposed workflow is depicted below.

A picture containing indoor, wall, table, microscope

Description automatically generated

Import CAD File

System automatically moves to the detected breakage point, acquire, and analyze high resolution image at detected breakage point

**Pricing Information**

Estimated delivery time is 4 months from the placement of the purchase order:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl. No: | Description | Catalog Number | Unit Price (Euro) | Unit Nos | Total Price (Euros) |
| 1 | Automatic Wafer Inspection and Breakage Point Detection | 410190-0105-020 | 1 | 1 | **20000** |
|  | Total |  |  |  | **20000** |

This offer is valid until the xxxxx.

We hope this offer corresponds to your requirements.

Carl Zeiss Microscopy GmbH