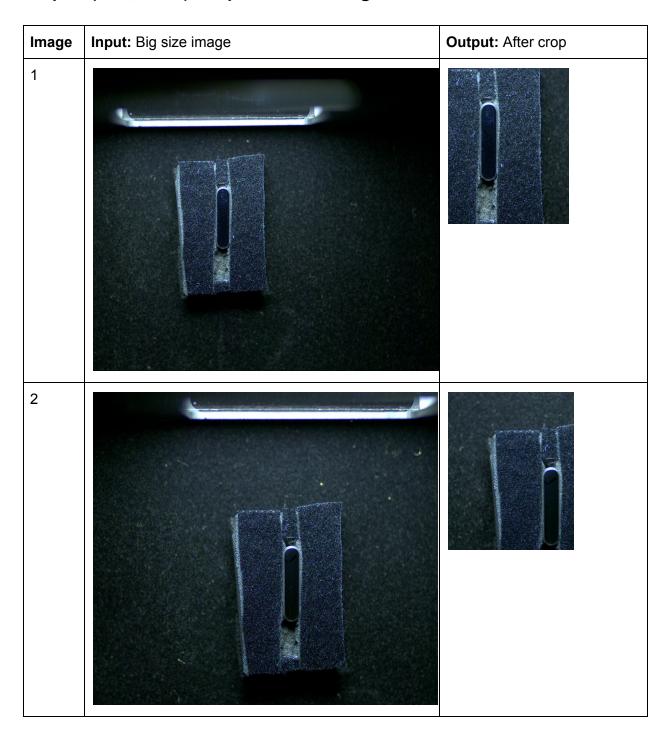
Tittle:

[defect detection automatically on phone button]

All of the steps are done automatically

I. PRE-PROCESSING DATA

Step 1: (raw, hand) Crop center of image

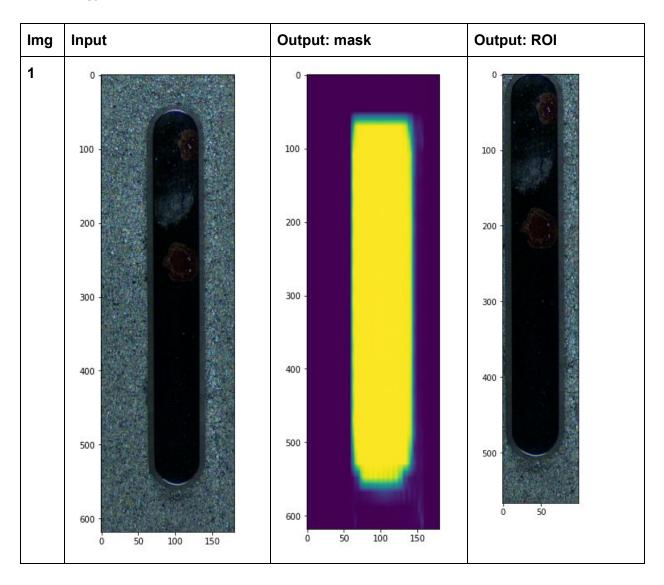


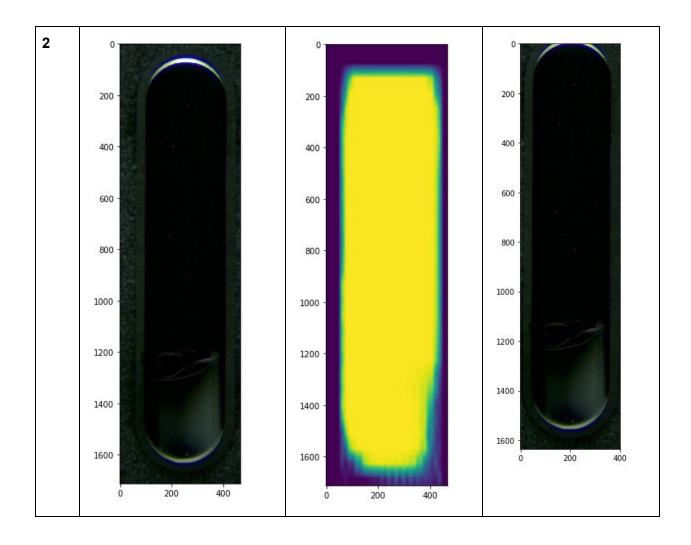
Step 2: Crop eclipse area

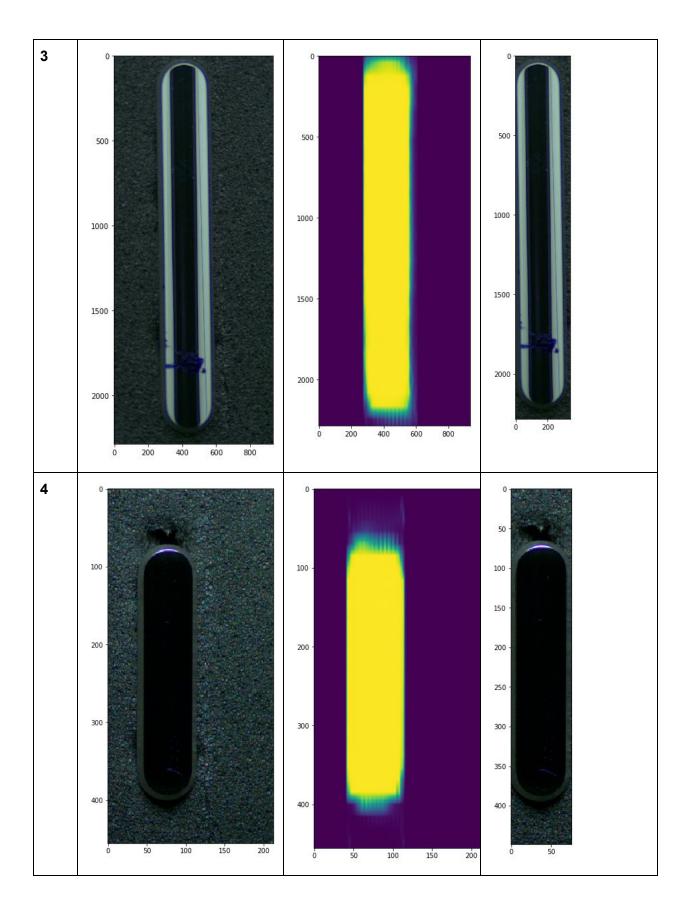
Technology: Dilation, Erosion, Threshold

Img	Input:	Output:
1		
2		

Step 3: Detect eclipse button (training) \rightarrow Mask (training) \rightarrow Cut eclipse (inference) Technology: R-CNN

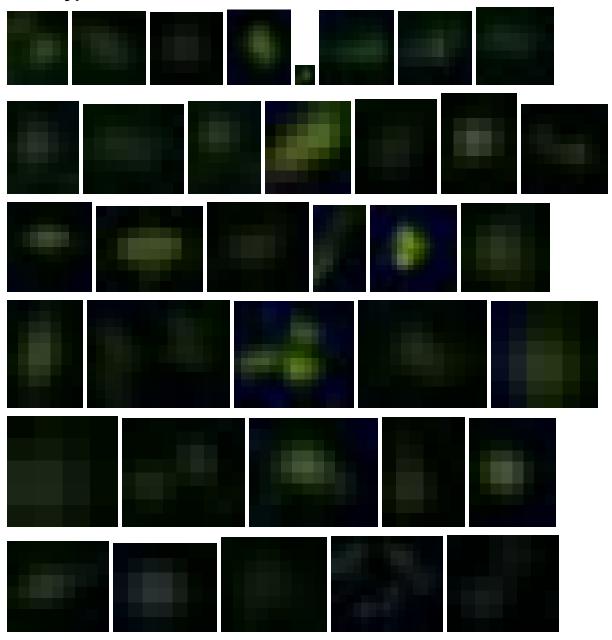




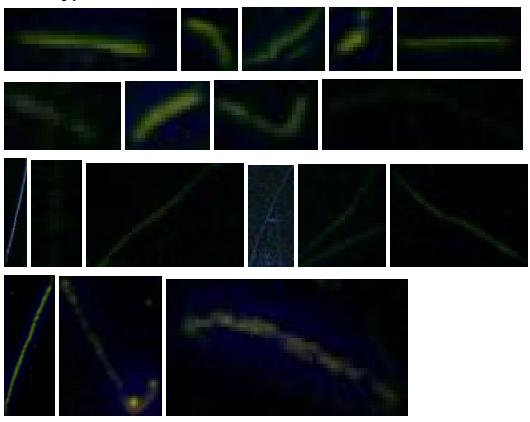


II. DETECT DEFECT & CLASSIFY

+ Type of defect: Dot



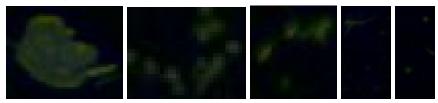
+ Type of defect: Line



+ Type of defect: Sparse



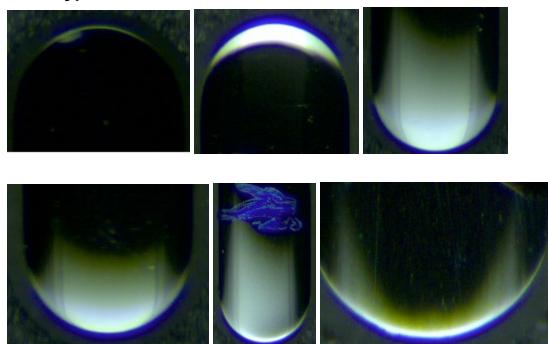
+ Type of defect: Density



+ Type of defect: Whitefog



+ Type of defect: Corner



Marker

