Visual inspection of metal-based objects

Application of Image Processing and Deep Learning in inspection of "dirt, scratch, print defect" etc.

To acquire multiple images with multiple light source Objects to be inspected Image input settings so that each feature can be easily identified Metal based and printed Images for checking print defects Images for checking scratches and dirt Registration Defect judgment by image Image for Conforming (Good) processing Inspection of master data Difference Comparison (Some judgments might be **Print Defects** Data made by Deep Learning) * Deep Learning technology might apply through the process of registration and print defect judgment in the future. Inspection Data (1) Defect judgment by Image for Scratch data Deep Learning Inspection of Scratches Deep Learning Inspection Data ② recognition engine Learning data Deep Learning

Learning Engine