

Surface Defect Detection

With machine learning based image analysis

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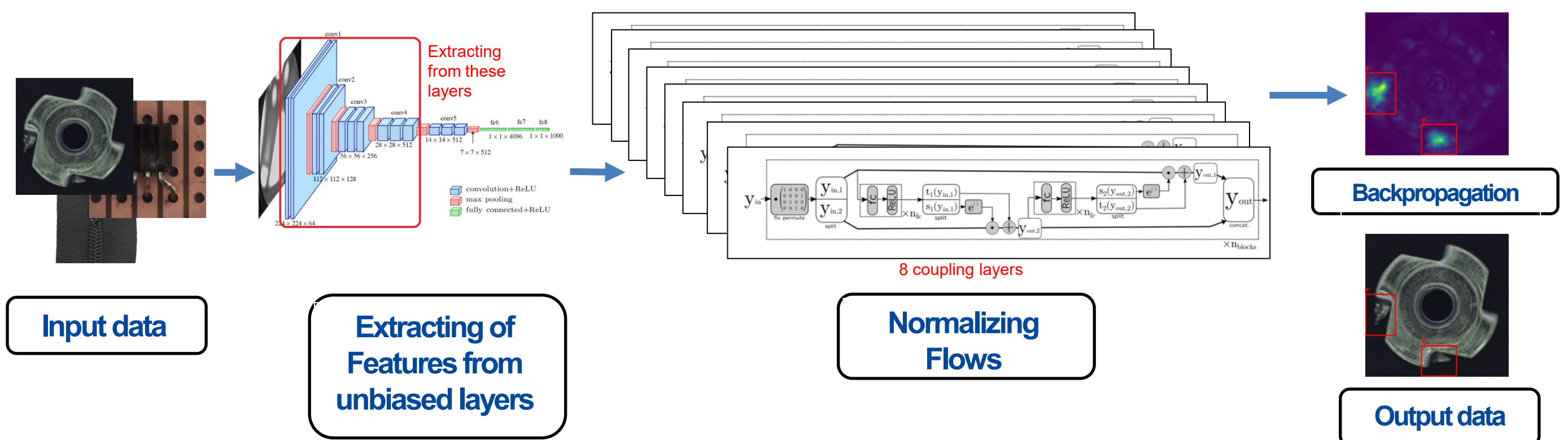
Project Introduction:

Automatic defect detection involves analyzing visual patterns from images of manufactured surfaces to detect flaws. This project adopted semi-supervised learning approach of one-class classification.

Project Objectives:

This project aims to implement a method for automatic inspection of dirties, scratches, and burrs on surface parts, evaluate its performance, and propose possible improvement.

Project Overview:



Results: AUROC score of 96.7%

