

McDefect Solutions

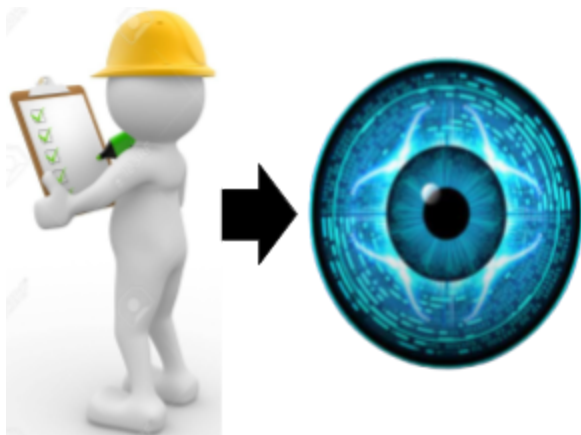
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User Manual

Why Engage with McDefect Solutions?

McDefect Solutions brings forth AI-powered defect detection & categorization solutions for industries that cater to the initial stages of manufacturing. We envision the automation of quality inspection, thereby improving the efficiency of the production, and providing an economic boost to the manufacturing industries.



Strategic Context

We tap into the defect detection in early stages of manufacturing, to save time and efforts, improve process efficiency and reduce wastage

Highly Customizable & Diverse

We provide image & video-based solutions for defect detection & classification using our API, specific to the needs of our clients

Seamless Integration

From the first contact, we ensure the seamless deployment of the AI-based solution within 1.5 months at your production line

Automation with Accuracy

Our solutions aim for the highest degree of automation of quality inspection tasks, with little or no room for false positives

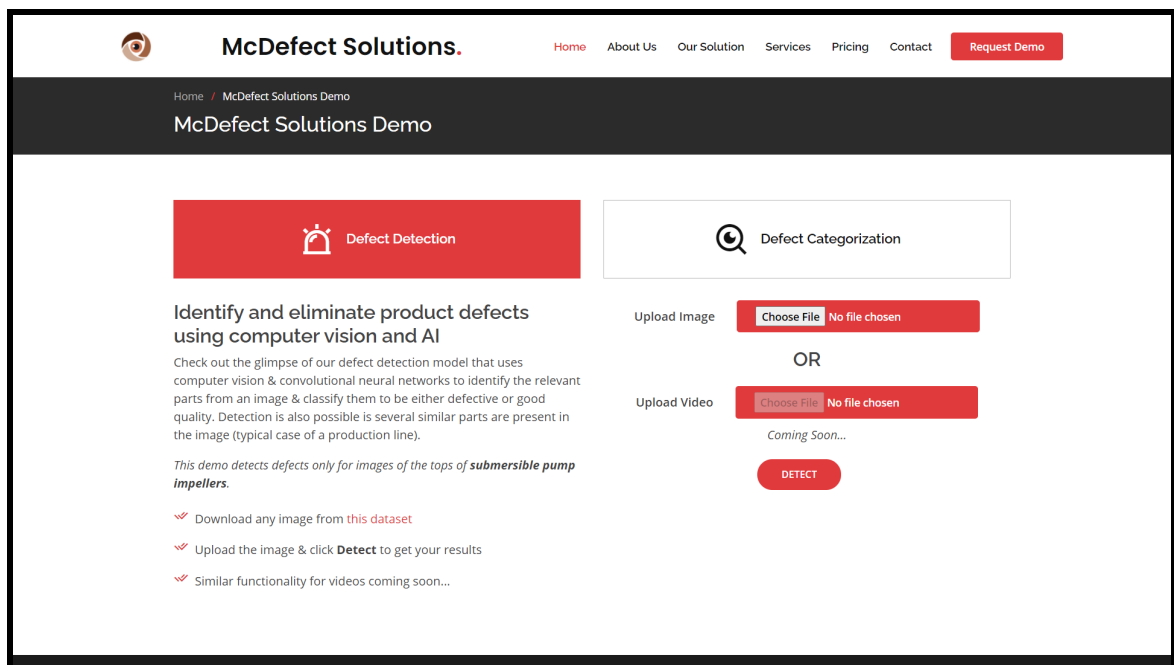
How to Engage with McDefect Solutions?

1. **Contact us** through our website or email to discuss a potential collaboration
2. Decide the **most suitable Plan** between *Standard* & *Pay-As-You-Go* based on your requirements. You can also avail a *Free Trial* for 15 days to test our services.
3. Next, we would request you to **send us a dataset** containing the images of parts being manufactured at your facility (both the ones that are OK as well as defective) according to the specifications arrived at by our team to build your customized solution.

*Using the dataset provided, our team would develop a Defect Detection & Classification Service, fully customized for your needs. This will be made accessible through our API. We will provide you with your **API Key** needed for authentication.*

4. **Log into** the McDefect Solutions Portal with your API Key.

The Portal has 2 sections: One for Defect Detection, while the other for Defect Classification. It would look similar to the image below:



5. Now, you can **upload images** of your manufactured parts from the assembly line to check if they are defective or not, and if defective, classify them as well.

Integration with Existing Assembly Line

Partners can also engage with us in a way where we seamlessly integrate the camera & other hardware necessary for image acquisition from the assembly line & automatically upload them & receive results on the portal which can be viewed by a supervisor.

Pricing for this service is negotiable & purely based on the assembly line of the partner industry.

Coming Soon...

McDefect Solutions has just set its foot into this industry, collaborating with & satisfying 15+ partner industries. Our endeavours continue to bring about newer & more advances & accurate methods of automatic quality inspection for the manufacturing sector.

Following are some of the key features that are set to be launched very soon:

- Defect Detection & Classification through **Real Time Video Streaming**
- **Defect Analytics Dashboard** to statistically analyse defects in the parts being produced
- **Root Cause Analysis & Recommendations** feature, that is customized to infer the potential causes of defects in the parts based on their images & suggests ways to improve the production