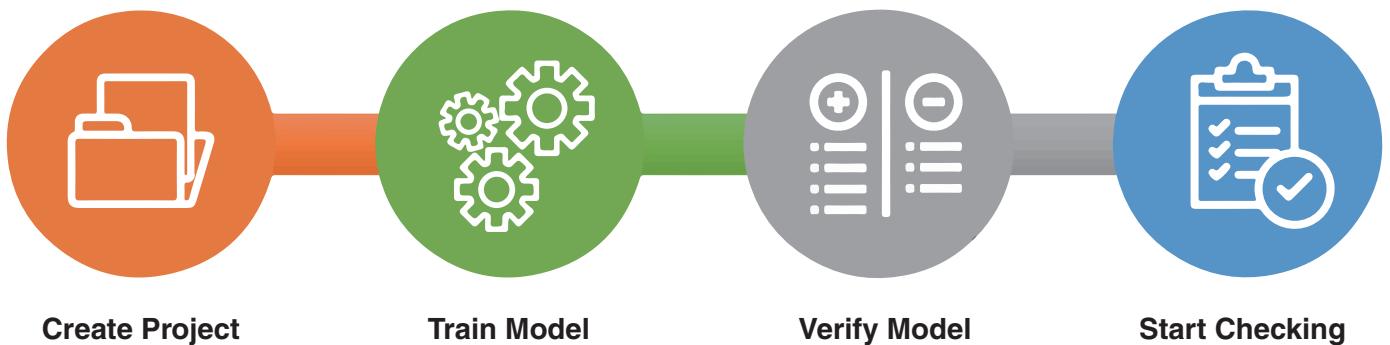


AISDETECTOR



AISDetector

An AI-based application software
for product quality inspection
during the production phase



Introduction

AISDetector is AI-based application software that can be utilized to perform product quality inspection during the production phase. It provides an intuitive user interface that allows a production engineer or line manager to create an AI model in less than 1 minute, without requiring AI expertise.

Waveform signature analysis is the key technology used in the AISDetector software, which uses AI to automatically find abnormal patterns in signal raw data.

AISDetector software standardizes testing procedures, and its use avoids the potential for human error. The software also creates a production history, enabling traceability. Overall, it improves productivity and quality.

Create an AI model within 1 minute

Using fast AI modeling technology, users can create a new AI model within 1 min. This makes production line changeover easy, so it's a perfect match for small- or large-volume production.

Intuitive interface

AI knowledge is not required when using AISDetector. An intuitive interface enables full functionality, so production engineers or line managers can quickly learn how to configure models. The complete AI model training process can be completed in just 4 steps.

No AI accelerator needed

AISDetector only requires computing power from a typical CPU. This means that an AI-based manufacturing system can be adopted without significant investment.

Variety of data source

AISDetector supports a 3-axial accelerometer, a single axial accelerator or a directional Microphone, and it accepts a range of data inputs, including voltage, electrical current, vibration signal, or voice wave forms.

Traceability of production history

AISDetector helps improve quality and efficiency by providing real-time visibility into operations, allowing root-cause analysis to be easily performed by a partner.

Automate and standardize testing procedure

Combining AISDetector and automated testing equipment can improve efficiency and eliminate the potential human error, improving quality.

System Requirements

- CPU : Intel® Core™ i3 or higher
- RAM : 8 GB or more
- USB : 2 free USB ports
(for the license dongle or USB microphone)
- OS : Windows 10 (64 bit)
- Storage device : SSD (recommended)
- Required system storage : 800 MB

Ordering Information

Description : AISDetector
Part number : 90IM0030-M2TB00