

# CASE STUDY

MITSUBISHI (POWER) PHILIPPINES, INC

Walkthrough Metal Detector with Body Temperature Detection



## COMPANY NAME

Universal Leaf Philippines

## INDUSTRY:

Manufacturing

## PROJECT SITE

AG&P Special Economic Zone,  
Barangay San Roque, Bauan,  
Batangas, Philippines

## DATE OF PROJECT COMPLETION

May 2021

## COMPANY BACKGROUND

Mitsubishi Power (Philippines) Inc. was acknowledged as a leader in design and manufacturing of Power Boilers and Industrial Boilers in the Philippines. Mitsubishi Power (Philippines) Inc. is also the pioneer in offering boiler risk diagnosis services, such as Risk-Based Maintenance (RBM) in the Philippines which stems from its vision of offering clients a comprehensive service from design until maintenance services.

## PROJECT REQUIREMENT

The cause of pandemic crisis affects a lot of businesses nowadays because of the health risk caused by COVID. That's why, Mitsubishi Power (Philippines), Inc has a requirement to install a device that can inspect harmful objects / weapons and, at the same time, can help detect the body temperature of their employees and workers entering the facility.

Aside from the health protocols implemented by their facility to protect all their workers from the health risks while at work, having this type of device would give added security and safety measure for all their staff and the manufacturing facility of Mitsubishi Power Philippines, Inc.

## THE CHALLENGES

As in many industries, manufacturers are increasingly aware that even when the pandemic ends, it will leave fundamental changes in its wake, such as greater automation and a focus on smaller, more local factories. With this transformation comes opportunity. Factories are likely to be smaller and more automated, with technology that enables them adopting contactless safety processes—all while maintaining productivity and manufacturing essential items to fight COVID-19—were enormous challenges to overcome.

## THE SOLUTION

SYSTEM	DEVICE NAME	MODEL x QUANTITY
Security Inspection System, Temperature Detection	Walkthrough Metal Detector with built-in Body Temperature Detection Terminal	<a href="#">ZK-D3180s [TD]</a> x 2 units



## FEATURES

- Fever Detection
- 18 detection zones
- 256 sensitivity levels
- 5.7" LCD display
- Counter for alarm and people
- Synchronous sound & LED alarm

## SPECIFICATIONS

<b>Power Supply</b>	AC100 V~240V
<b>Working Temperature</b>	-20°C ~+50°C
<b>Working Frequency</b>	4KHz~8KHz
<b>Standard External Size</b>	2220mm(H)X835mm(W)X578mm(D)
<b>Standard Internal Size</b>	1990mm(H)X700mm(W)X578mm(D)
<b>Package Dimensions</b>	2310mm(H)X350mm(W)X665mm(D)
<b>Gross Weight</b>	65kg
<b>Temperature Sensor Type</b>	IR temperature sensor