




*Something  
Different!*



# Company Introduction

**People & Automation Co.,Ltd.**

D-dong, Refactory, 324-1, Gongdan-dong, Gumi-si,  
Gyeongsangbuk-do, Korea  
TEL+82-54 - 463 - 6886 FAX +82-54 - 463 - 6055  
skyfarm77@naver.com

- 0  
1 **Company Overview** 
- 0  
2 **Company location** 
- 0  
3 **Technology Research Center** 
- 0  
4 **Research and development field** 
- 0  
5 **Product introduction** 
- 0  
6 **Closing remarks** 

# Company Overview

*Something  
Different!*

|  |   |
|--|---|
| <b>Company name</b>                    | <b>People &amp; Automation Co.,Ltd</b>  |
| <b>Date of establishment</b>           | <b>2015.12.10</b>   |
| <b>C E O</b>                           | <b>Pyo Dae Joon</b>   |
| <b>Business address</b>                | <b>2nd floor, 50 Export-daero 1-gil, Gumi-si,<br/>Gyeongsangbuk-do, Korea</b> |
| <b>Company contact<br/>information</b> | <b>T +82-54-463-6886 F +82-54-463-6055</b>                                    |

# ★ VISION

*Something  
Different!*

*With the highest level of  
automation technology  
Providing customers with the  
highest quality products.*



## Technology-focus

**d**  
Leading role in automation of production and inspection



## Quality-focused

High-quality product production with optimal customized design and information

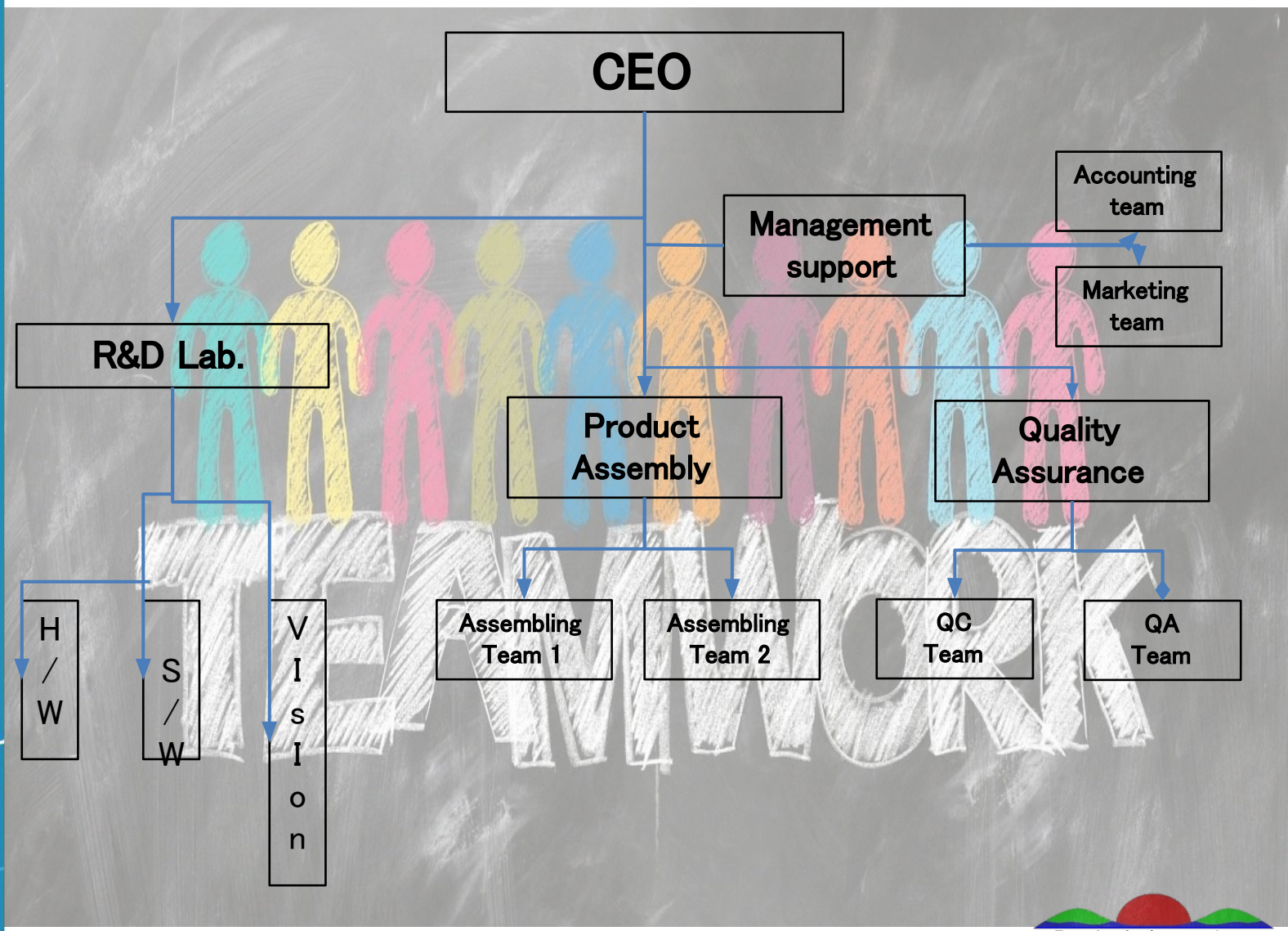


## Customer-focused

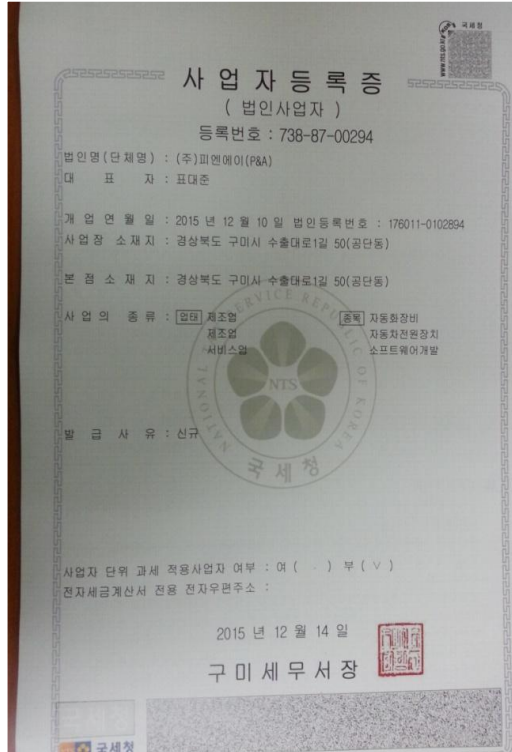
P&A prioritizes customer needs and convenience

# Organization

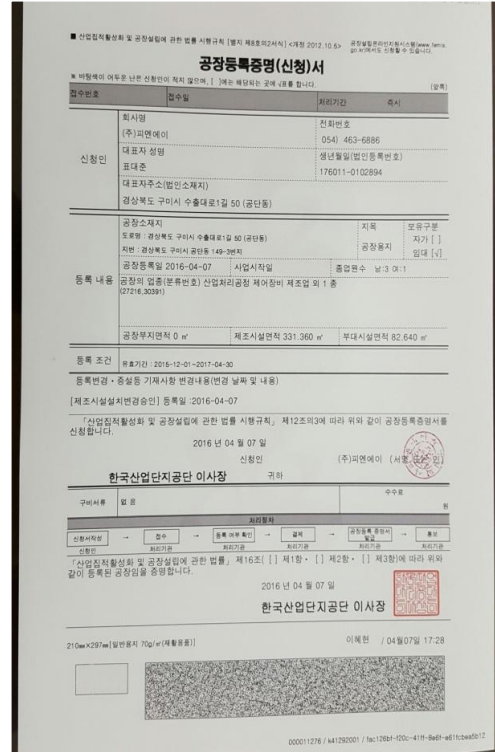
Something  
Different!



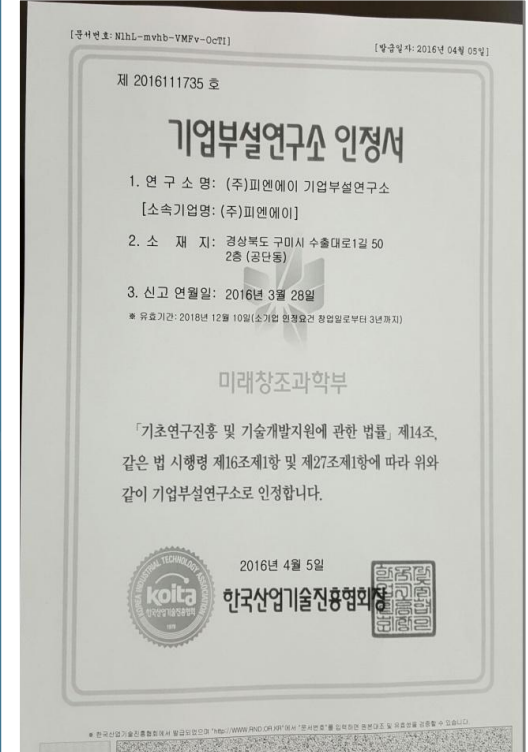




Business registration certificate



Factory registration certificate

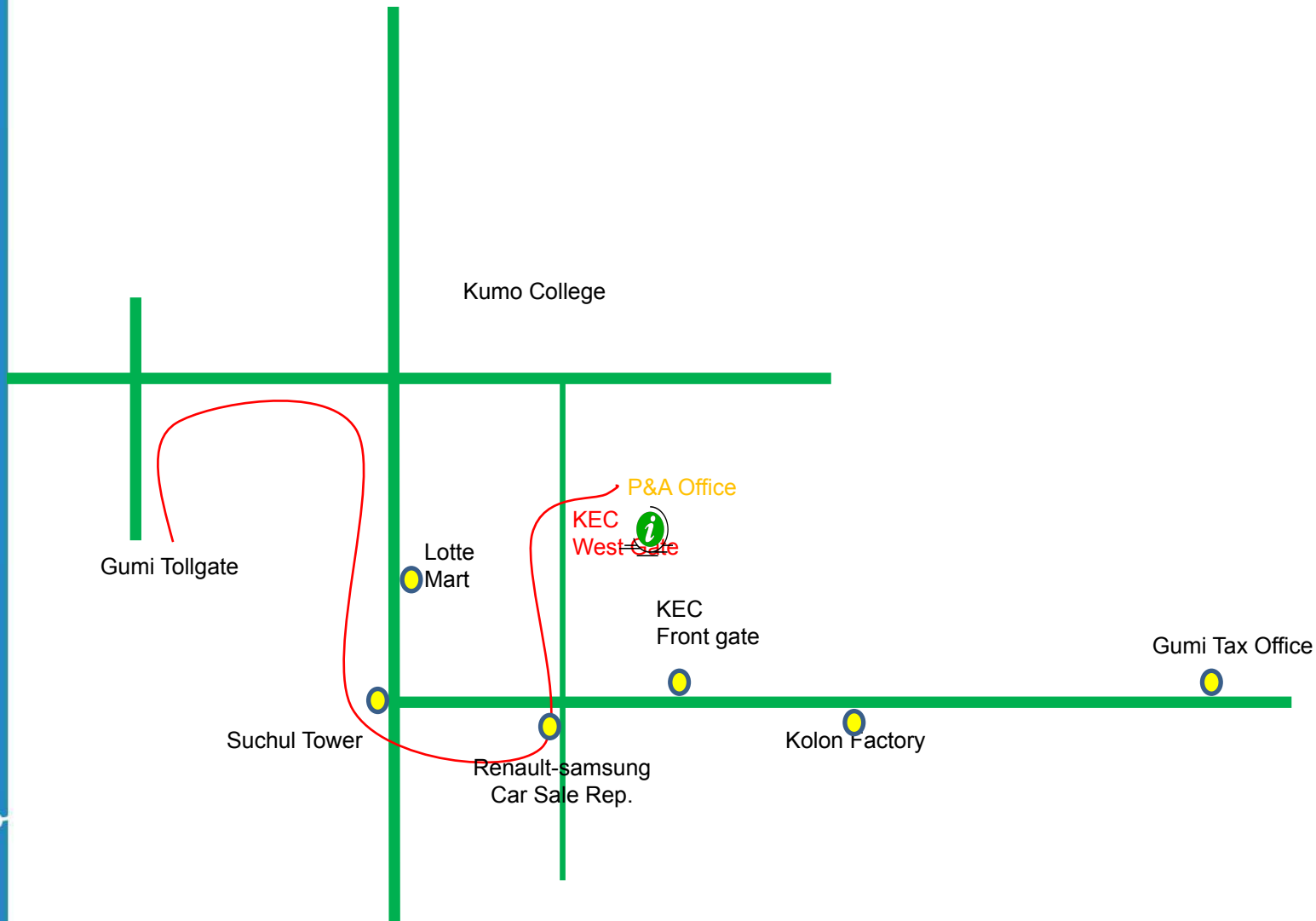


Certificate of Recognition of Corporate Research Institute



# Company location

*Something Different!*





# Technology Research Center

*Something Different!*

Accumulated automation technology  
and  
Based on Know-How, the customer's  
satisfying a variety of needs  
We are working on it

**P&A  
Technology Research  
Center**

Innovative and creative technology  
I'll secure the product  
for the advancement of technology  
with our innovative Idea.  
we are trying my best

It's becoming more diverse  
Inspection/production automation system,  
with AI Inspection such as Deep Learning.  
P&A Technology Research Center will lead the  
way



# Q Research and development field

## Machine Vision

AI Image processing after photographing the test object with a camera, lens, and lighting. Through the image analysis process, defects in the product are detected,

It's a system that makes it DataBase to examine and judge with human eyes

A basic system of unmanned automation as an automation device that can replace the process.

Accellent technology ;

Deep Learning & Machine Vision

- Part sorting
- judgment rate
- Dimensions and Position Inspection
- Location and character recognition
- dimensions, positions between holes, size, shape
- Presence and shape of hole



## Smart Factory

It refers to an intelligent production plant where the production process, including design, development, manufacturing, and distribution logistics, is automatically performed, and information and communication technology is applied to improve productivity, quality, and customer satisfaction. It collects data on each factory process in real time and analyzes and exchanges it to build a lightweight and flexible production system.

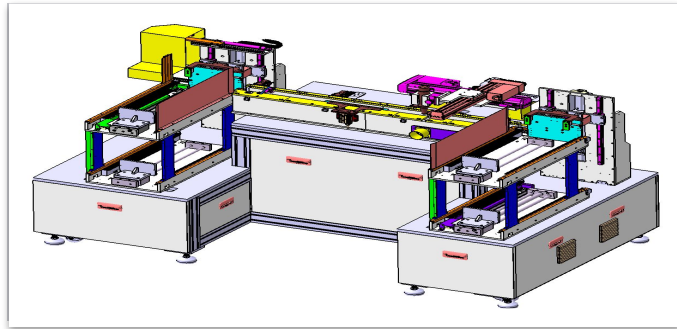
- Increased productivity
- Reducing Human and Material Resources
- Increased efficiency
- Increased equipment life
- Down Time Zero Realization





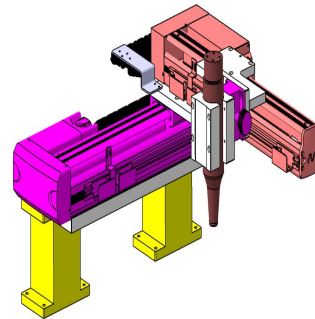
# Product introduction

Something Different!



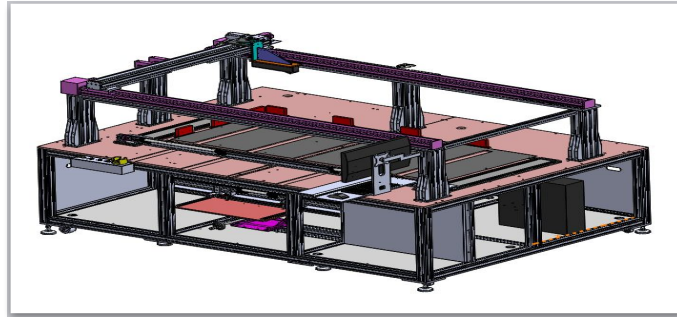
This equipment automatically inspects the Lead Frame supplied to MAGAZINE through CAMERA Vision to check about 20 items including the shape, scratch, crack, and marking of the Lead Frame, and then determines whether the Lead Frame is good or bad, and increases the efficiency and productivity of the product, and automatically loads it into MAGAZINE.

Power  
Semiconductor  
AI  
Wire Bonding  
Inspection  
Machine



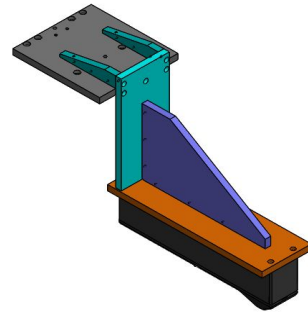
# Product introduction

*Something Different!*



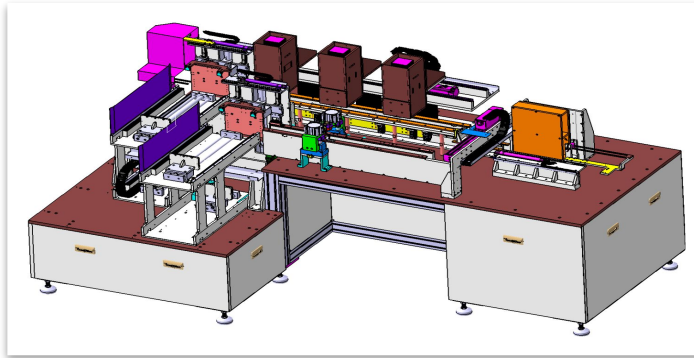
Equipment that checks the presence and size of holes in various sized press products using a 3D SCANNER and determines whether products are good or bad based on criteria specified by the user

AI  
3D  
PRESS  
INSPECTION



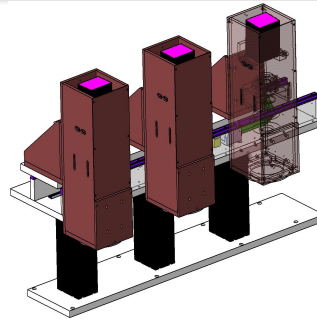
# Product introduction

*Something Different!*

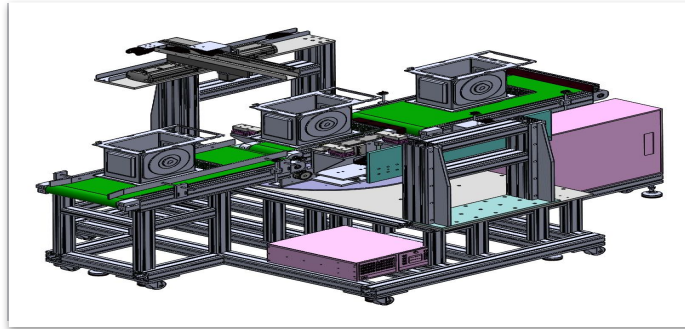


This equipment automatically discharges the LEAD FRAME supplied to MAGAZINE one by one in the entire process, performs surface treatment with the plasma value (height, power, flow rate, etc.) specified by the user, and then loads it into MAGAZINE to increase the efficiency and productivity of the product.

SIM-2  
Semiconductor  
Wire Bonding  
Inspection  
Machine

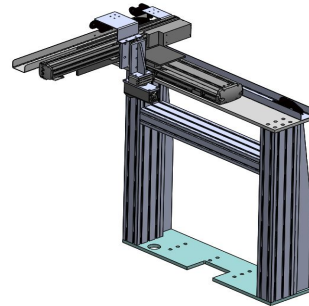


# Product introduction



This equipment inspects cast products for marks and defects while they are being transported using a BASLER CAMERA, detects them without stopping, photographs them, and then judges them OK/NG before discharging them.

Press  
Parts  
Vision  
Inspection  
Machine



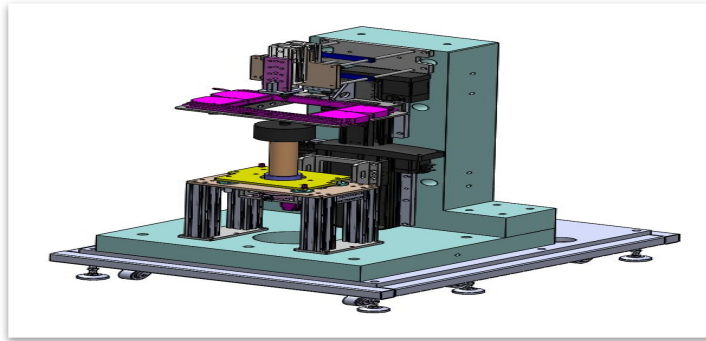
LG전자  
중국법인





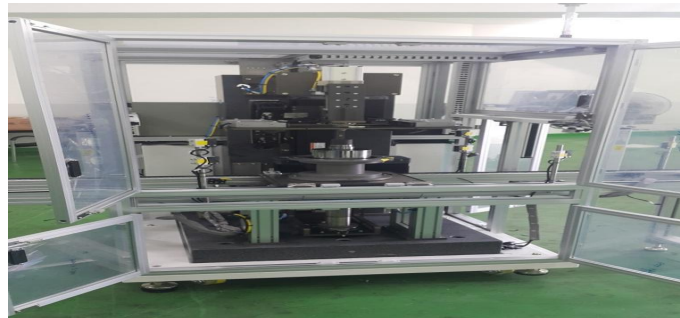
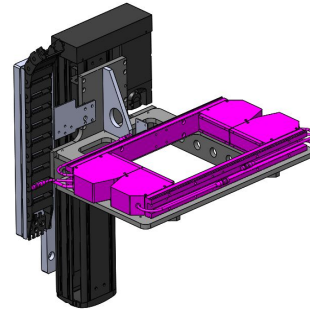
# Product introduction

*Something Different!*



The ROTOR, whose work has been completed, is inspected in the inspection unit to measure upper and lower data, obtain concentricity, and determine NG or OK based on the set SPEC, then transmit the GMES result value.

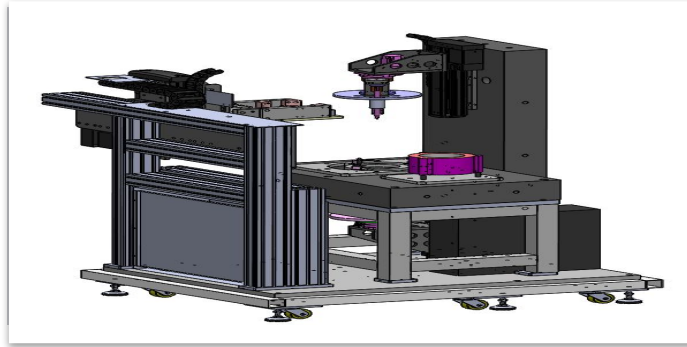
Electric  
Vehicle  
Motor  
External  
Diameter  
Inspection  
Machine



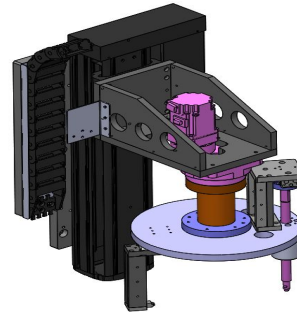


# Product introduction

*Something Different!*



Electric  
Vehicle  
Stator  
Concentricity  
Inspection  
Machine

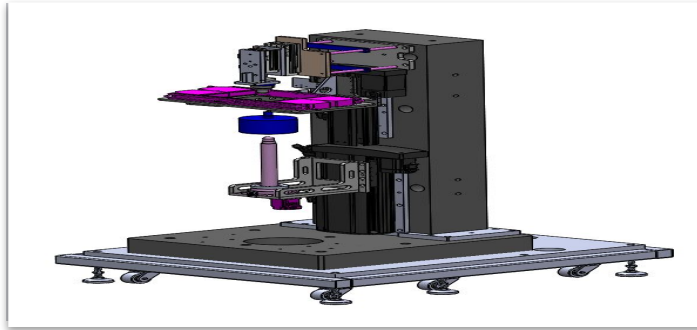


After the work is completed, the inner and outer diameters of the bottom, the inner and outer diameters of the top, and the size of the small hole are inspected, and the concentricity of the upper and lower parts is calculated accordingly. After distinguishing between NG or OK according to the set SPEC, the results are sent to GMES.



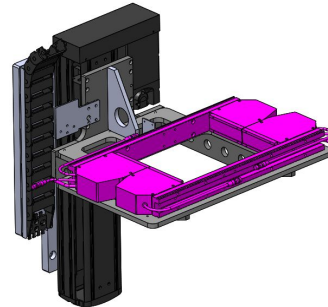
# Product introduction

*Something Different!*



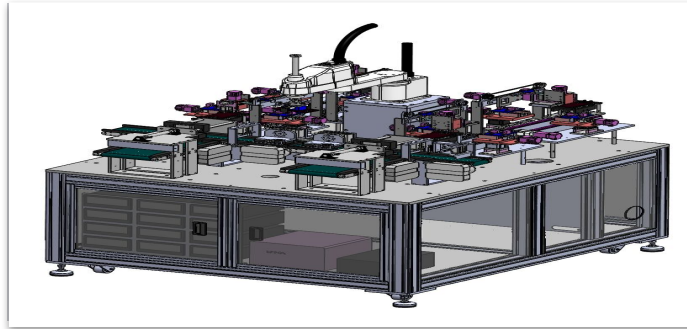
The ROTOR whose work has been completed is inspected by the inspection unit, which measures the upper data A and the lower data B, calculates the concentricity, and determines NG or OK based on the specified SPEC, and then transmits the GMES result value..

Electric  
Vehicle  
Rotor  
Concentricity  
Inspection  
Machine



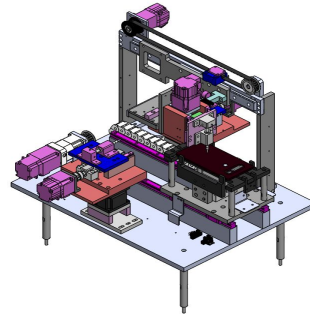
# Product introduction

*Something Different!*



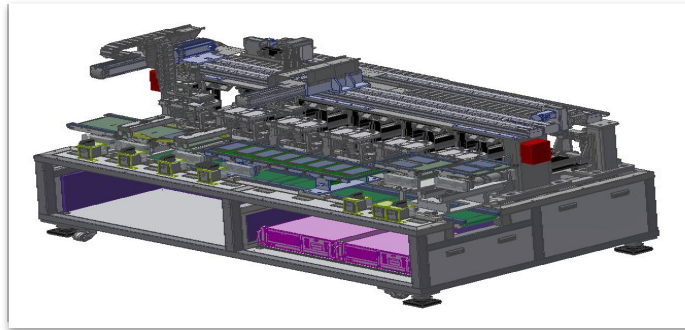
In the previous process, the smartphone that has completed inspection is put into the inspection CH using a Scalar Robot. The device pushes the KEY located in each part of the product with a load cell tip, measures the push value, and determines whether the KEY is good or bad, and inspects (PAY (MME), WIFI, Bluetooth, GPS, MIC1,2), etc.

AI  
Smartphone  
Sensitivity  
Inspection  
Machine

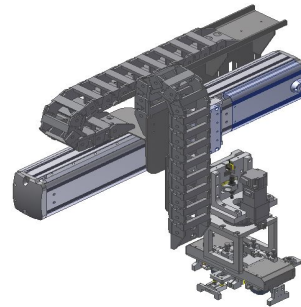


# Product introduction

*Something  
Different!*



12 Channel  
Smart  
Phone  
Auto  
Function  
Tester

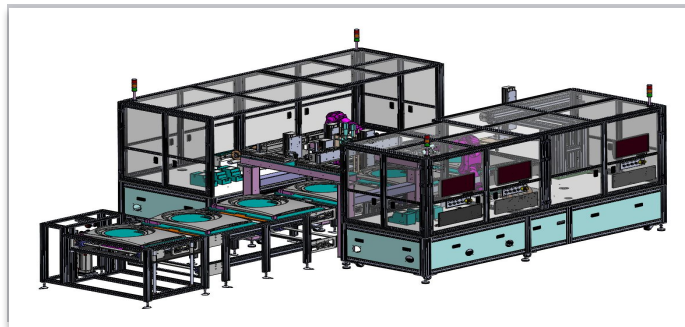


This equipment performs 7 tests (HDMI, OTG, Illuminance Sensor, IRRC, Motion Sensor, Touch Draw, GPS) when products that have completed inspection in the entire process are fed into the input conveyor and fed into AFT using LD/ULD and Robot UNIT.



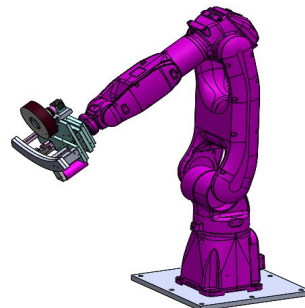
# Product introduction

Something  
Different!



Automation equipment using computer vision, orthogonal robot, and multi-joint robot for screw fastening of cabinet cover and label attachment to specific location on exterior surface during assembly process of washing machine and dryer door

AI Vision Screw  
Fastener  
and  
Label  
Attachment  
Machine

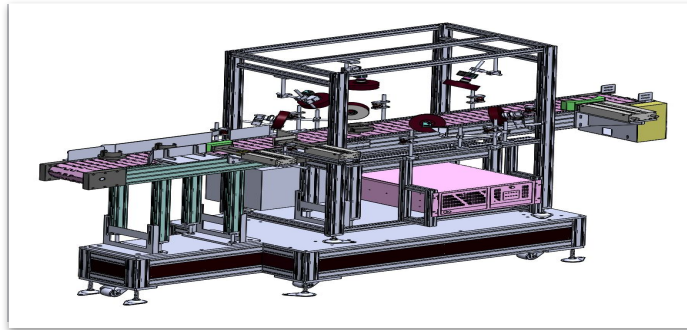


동진테크윈



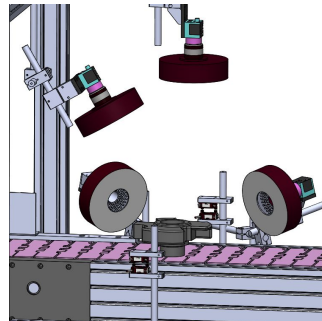
# Product introduction

*Something Different!*



Casting products are transported through a conveyor, and after being detected by a product detection sensor, they enter equipment 1, and using a BASLER CAMERA, the transported casting products are detected by the sensor without stopping and photographed. Based on an OK/NG judgment, the first NG product is discharged and passed. After turning the product over in equipment 2 and conducting the same inspection, they are discharged after being judged as good or bad. This equipment inspects cast products for dents and defects.

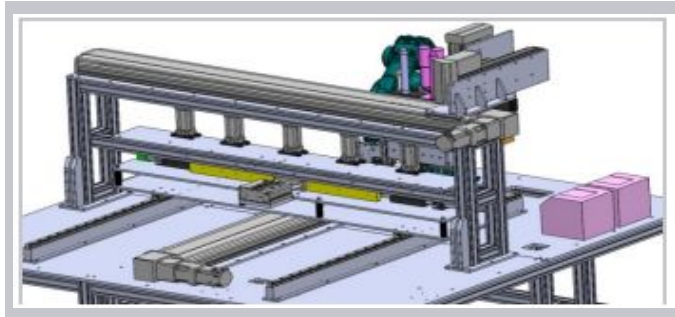
Casting  
Sorting  
Machine





# Product introduction

*Something  
Different!*



Air  
Conditioner  
Deco  
Attachment  
&  
AI Screw  
Fastener



This is an automated equipment that can determine whether a product is good or bad by automatically performing each process of inserting the TT and INLET products that the worker has first attached into the product transfer unit jig, DECO pressing and bracket supply, screw fastening, and then discharge, and using a 3D SCANNER to inspect the screw and bracket fastening height.



- ▣ Thank you for your interest in our company
- ▣ We will listen to your opinion and respond rapidly.
- ▣ We will make your dream to reality on your eyes.

