



HAN-MECH CONTROLS CO., LTD.

www.han-mech.co.kr

BUSINESS

To keep pace with 'Smart factory & changing industrial structure',
HAN-MECH CONTROLS CO.,LTD. is expanding own business fields.

Automatic Control

Sensors to improve product quality and productivity

- Mapping Sensor
- Broken Sensor
- HI-PASS
- Industrial Sensor

Solution

S/W program

- AI.MECH
- AOI Solution
- Customizing
- Vision System Management Program

Machine Vision

A vision test that can replace the human eye

- GCIS.AI
- GECD
- Smart Camera
- Barcode
- OCR

System Integration

S/W, H/W and network integrated system

- Sensor
- Machine Vision
- Solution
- System Integration

CONFIDENCE

CREATION &
INNOVATION

HUMANITY



AUTOMATIC CONTROL

HAN-MECH CONTROLS CO., LTD. is striving to localize and develop sensor products. Its quality and safety are recognized through delivery performance.

Developed Product

ASW – TB/NT, RGBS, ZLMC, HI-PASS

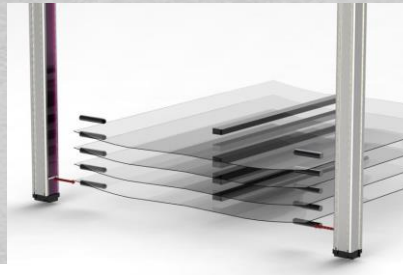
HAN-MECH CONTROLS CO., LTD. succeeded in localizing glass mapping sensors and broken sensors, and contributing to the vitalization of the domestic economy. Furthermore, we are continuing to challenge in the development of new products such as highway sensors and heat sensors. Please do not hesitate to contact us whatever you would like to check. With persistence and patience, we will establish a unique sensor brand.

Industrial Component

Switching, measuring, Industrial safety, automatic identification, optical and machine vision components.

HAN-MECH CONTROLS CO., LTD. has established itself as a leader in the industrial automation through close technical partnership and collaboration with sensor professional companies **Leuze** and **TAKEX**, as well as **HIKROBOT**, a machine vision development company.

With accurate analysis and organized management system from long experience, we promise to respond quickly to the needs of domestic as well as overseas markets, and to provide a perfect follow-up management system.



MACHINE VISION

We will constantly research and explore with the goal of 'Beyond Visual Inspection'.

Camera | Area scan, Line scan, 3D, Smart camera

We have a camera line-up of various options, from VGA class to high resolution cameras. Camera selection by inspection type is a prerequisite for stable inspection.

Lens | CCTV, Telecentric, Zoom, Macro lens

We support not only domestic and overseas brand products, but also custom lenses for each inspection.

Get the best inspection image with the appropriate lens selection to maximize the performance of your camera.

Light | Coaxial, Bar, Ring, Spot light

The detection capability is determined by the structure and color of the light. Our lighting is Customized with a lot of inspection experience and accumulated know-how. We guarantee high reliability in light quantity/uniformity/detection output.

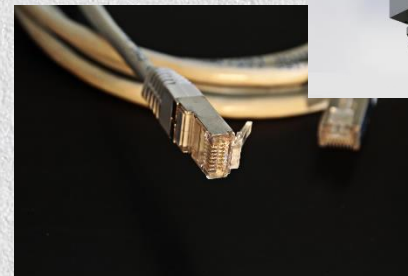
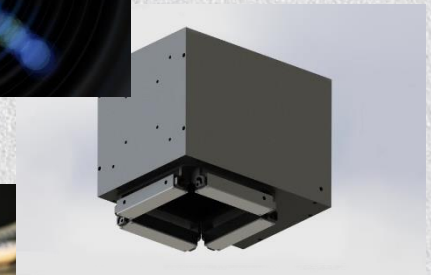
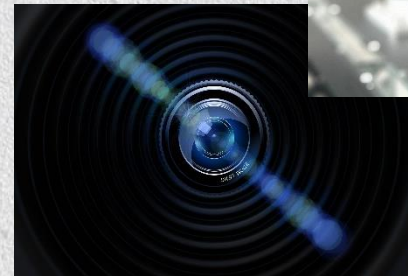
Cable | Data, Power cable

Correct cable selection is not an option, it is essential for stable data transmission and inspection speed.

We satisfy both performance and cost by making customized cables.

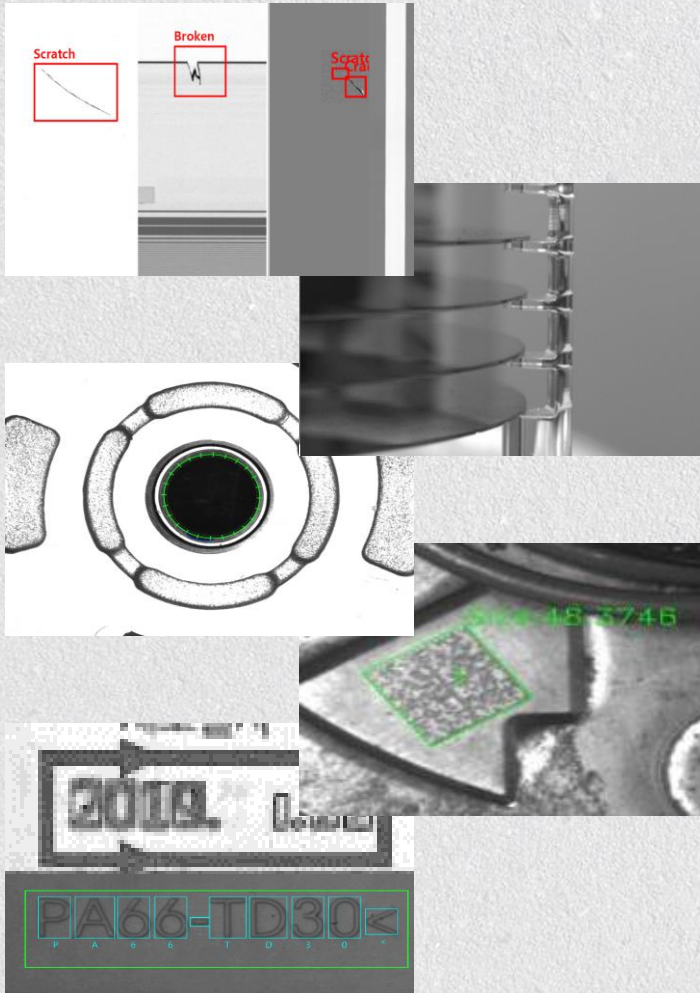
Etc. | Extension ring, Bracket, Rack, PC

We are constantly researching for accurate and stable inspection such as extension rings, instruments, and racks, and we promise to do so in the future.



MACHINE VISION

In addition to our own vision system total solution, we also have smart cameras and barcode readers.
HAN-MECH CONTROLS CO., LTD. is expanding the field of inspection in various areas.



Surface | Crack, Broken, Chipping, Scratch, Particle, Fracture, Stain

From transparent glass to complex devices.
Detect defects on product surfaces regardless of flatness and complexity.

Counting | Mapping, Counting, Presence or not, Double

By defining the characteristics of the object to be inspected, it determines the quantity and overlap status.

Alignment | Alignment, Measurement, Angle

Our program detects the dimensions and alignment of the product and the value to be inspected to the desired level.

Code | Barcode, Data matrix code, QR code, Veri code, DPM

From fast moving code to complex /multi-code inspection.
We support barcode inspection regardless of the reading environment and recognition distance.

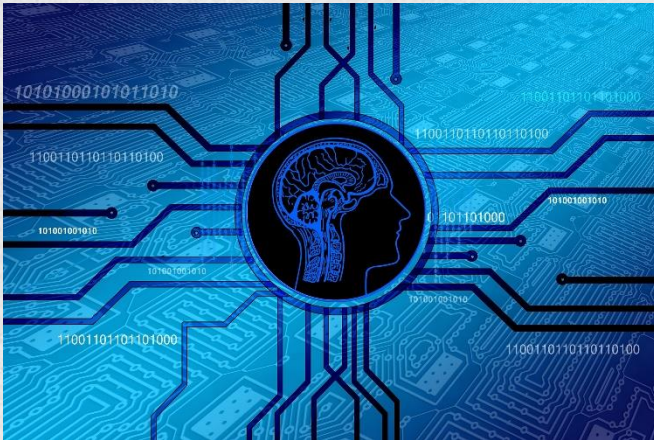
OCR | Alphabet, Han-geul, Number, Symbol

You can check the deep learning OCR test that reads not only Alphabet, numbers but also complex symbols and Korean, at HAN-MECH CONTROLS CO.,LTD.



SOLUTION

Professional engineers who have various experiences and know-how provide customized solutions for customers.
We will prove our technology through own solutions.



VISION Solution
AI.MECH

AI.MECH

This is our artificial intelligence test program started from GCIS.AI. Test stability has been proven through continuous research and numerous application history. It is okay if any item you want to detect is not standardized. AI.MECH is highly reliable because it creates and learns various techniques cases.

AOI Solution

AOI Solution is a S/W that applies detection algorithm and machine learning. As an inspection method that is affected by the skill and experience of engineers, we provide reliable inspection programs by designing S/W by professional engineers.

Vision System Management Program

It is a system that communicates with different applications or devices to control and interface. Also it provides wide scalability and convenience by interpreting protocols. We also support customized program development, so check the possibilities for yourself.

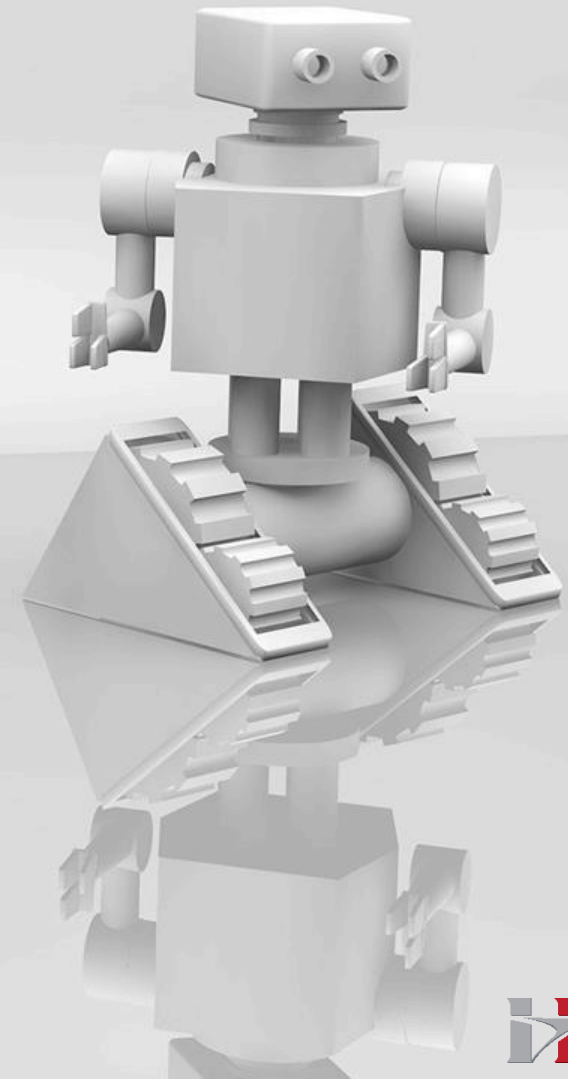
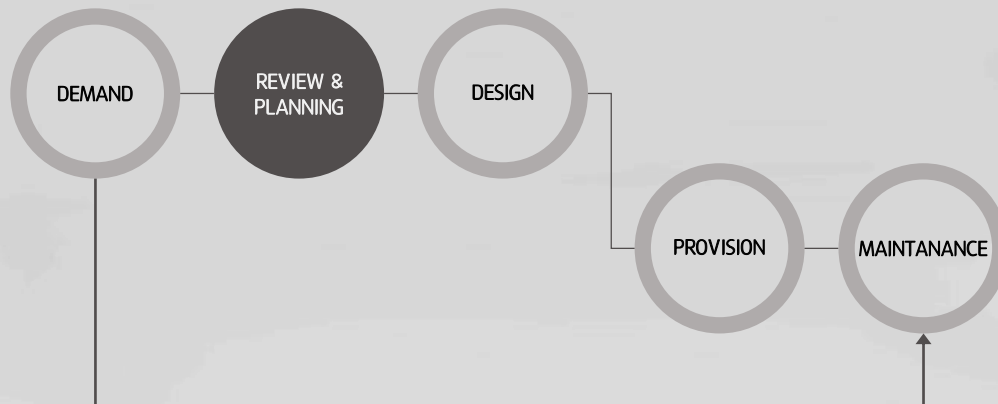


SYSTEM INTEGRATION

HAN-MECH CONTROLS CO., LTD. aims to develop on the basis of continuous "R&D".

HAN-MECH CONTROLS CO., LTD. is the most confident in technology.

We are constructing a system that can effectively utilize technology by organically combining the development system of hardware/software/network through System Integration. We will contribute to further enhancing the competitiveness of our customers by constructing the best experts and systems with the goal of convergence of information and technology.



BUSINESS AREA

From the most confident display inspection to food parts.
We are expanding the scope of the inspection field without limits.



Display

Our display inspection system has proven its accuracy. As a result, we have been delivered to leading companies.
In particular, the glass surface inspection using A.I guarantees high inspection accuracy that is not affected by the pattern.

Semiconductor

Semiconductors are difficult to inspect due to high reflectivity.
For semiconductor inspection, we achieve high inspection accuracy by combining vision and sensors.

Automobile

From surface inspection to sorting, leakage, OCR and barcode inspection.
Our products are applied to various automobile inspections that have proven the stability.

Food & Medicine

Food & Medicine is a field that H/W and S/W configurations are changed every time due to the diversity of samples.
Through in-depth research and testing, we strive to construct the best solution no matter what sample comes in.



COMPANY INFO.

HAN-MECH CONTROLS CO.,LTD., a company that creates future with technology, will create positive value through technology and become a trusted company that satisfies customers as your global technical partner.



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