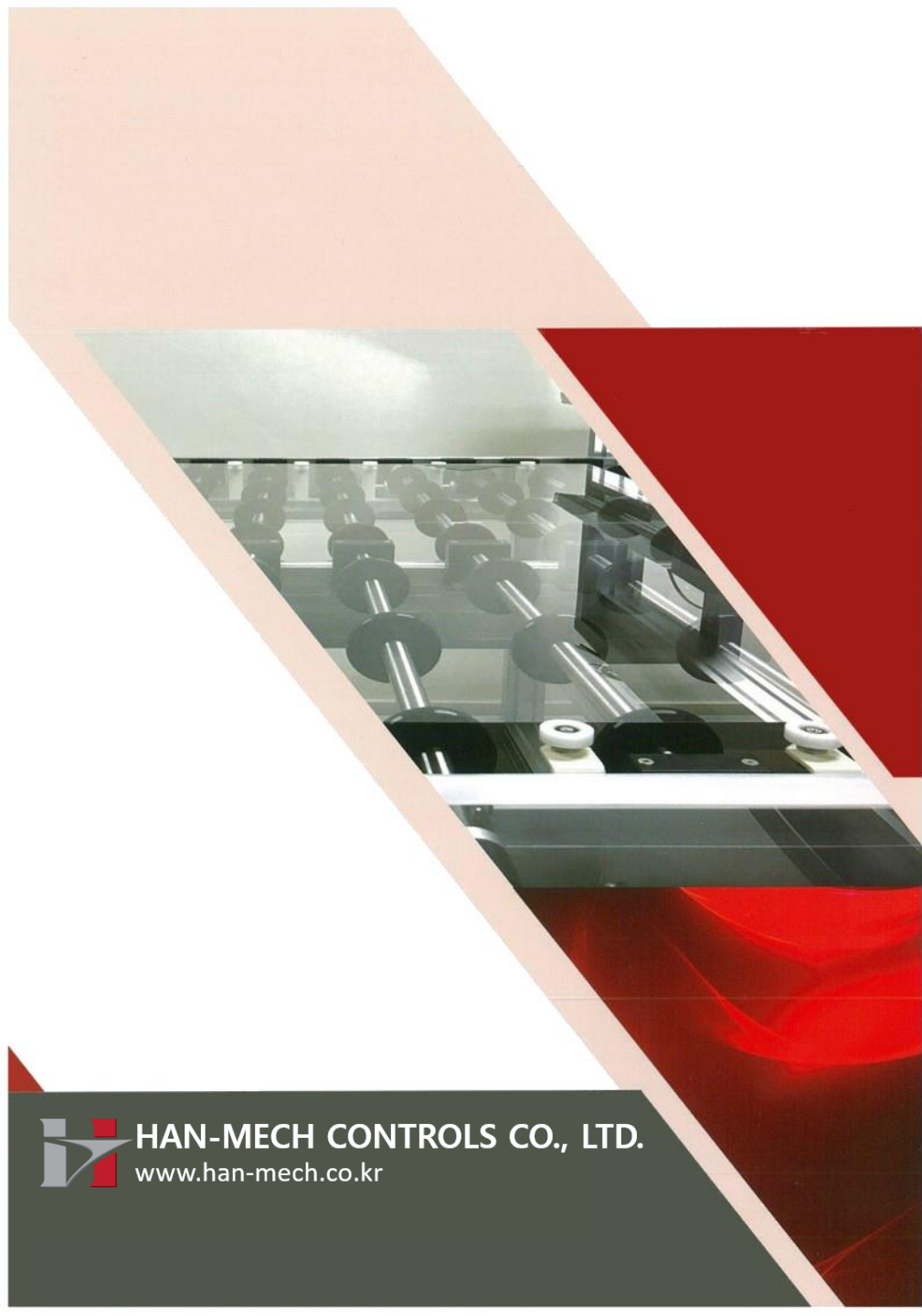# HAN-MECH CONTROLS CO., LTD

Portfolio

With HAN-MECH CONTROLS CO., LTD

1. Our Project

2. System Integration

HAN-MECH CONTROLS CO., LTD.
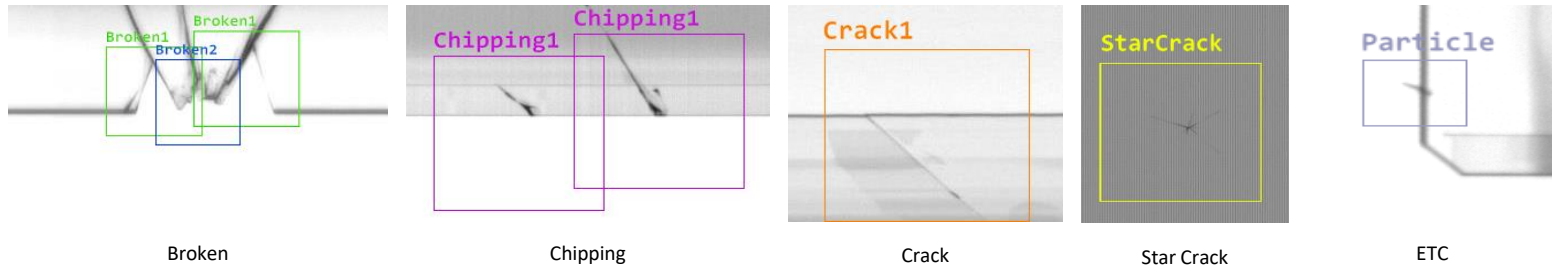www.han-mech.co.kr

1. Our project

● Domestic & Overseas major Machine Vision SI project(2016~)

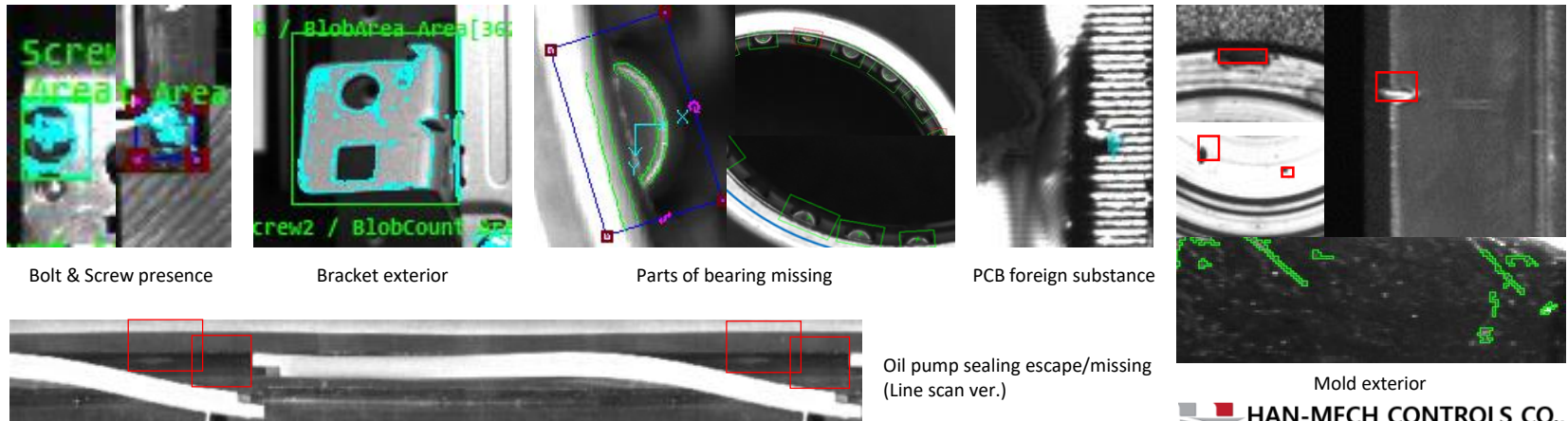| Classification	Customer	Project	Equipment	Generation	Year
Domestic	'L' Company	Oblique stain inspection system	Polishing	8.5G	2016.10~
	'S' Company	4 EDGE Vision System	Cell Packing	Flexible	2016.10~
	'S' Company	GECD System	Inspection	Flexible	2017.07~
	'Y' Company	F/F Gap VISION system	Inspection	-	2017.07~
	'Y' Company	Terminal alignment Vision system	Inspection	-	2017.07~
	'H' Company	Presence of parts of Navigation inspection	Inspection	-	2019.03~
	'M' Company	Vision system / EOP cover	Inspection	-	2019.10~
	'M' Company	Vision system / EOP housing	Inspection	-	2019.10~
Overseas	'C' Company	GCIS.AI-2940-FRONT	ODF, HVA, CUT	10.5G	2018.03~
	'C' Company	GCIS.AI-950-FRONT	EL	6G	2018.05~
	'C' Company	GCIS.AI-1500-FRONT	MOD	6G	2018.05~
	'B' Company	GCIS.AI-2940-FRONT	Washer	10.5G	2019.04~
	'B' Company	AOI inspection system: GCIS.AI-2940-FRONT	Rubbing	10.5G	2019.04~
	'C' Company	GCIS.AI-1500-FRONT	MOD	6G	2019.07~
	'C' Company	GCIS-2EDGE(GLASSS CRACK INSPECTION SYSTEM, 2 Edge)	PVD washer	6G	2019.08~
	'H' Company	GCIS-2EDGE(Crack & Broken & Chipping)	CF	8.6G	2020.08~

● Detection item and inspection field (1) Exterior defect inspection

◇ Display panel

| Broken | Chipping | Crack | Star Crack | ETC |

> Determine the defect of the glass exterior
> Define and classify the defect type
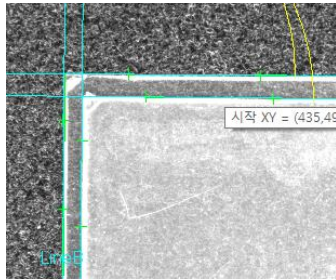> Complex vision inspection(AI + rule-based) according to the item to be detected
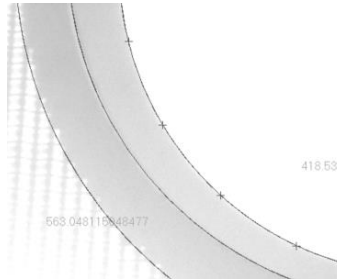
◇ Automobile & ETC

Bolt & Screw presence   Bracket exterior   Parts of bearing missing   PCB foreign substance

Oil pump sealing escape/missing
(Line scan ver.)

Mold exterior

● Detection item and inspection field (2) Alignment & OCR, Code reading
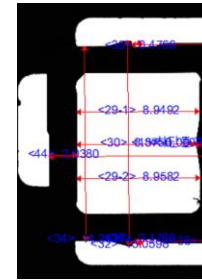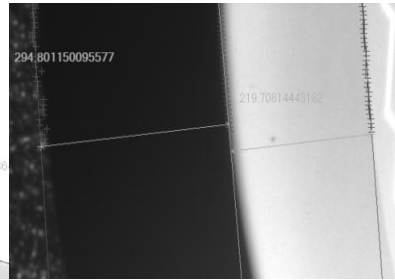
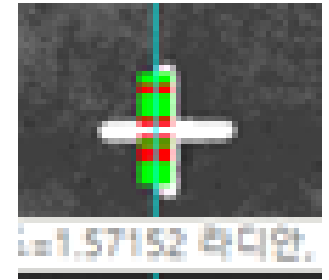◇ Alignment & Measurement

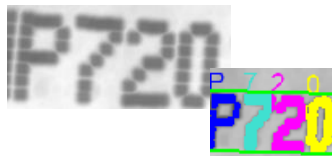2 sheets film Alignment　　　Diameter(left) & spacing(right) of hard lami with different heights　　　Micro(μm) dimension measurement　　(+) mark Alignment
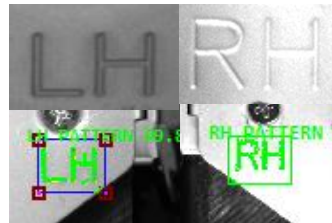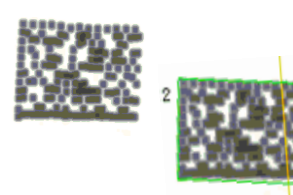
◇ OCR

Audio box

Dot type

Food packaging

Engraving
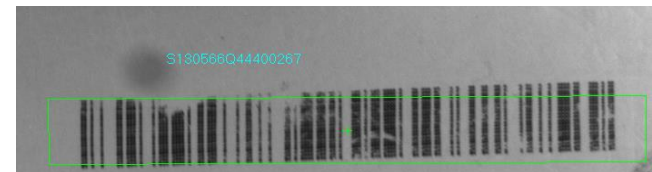
◇ Code reading

Dot DM code　　　DM code on secondary battery

Bar code on secondary battery

● Customizing program

Customer logo
Mode
Trigger
Cam Q'ty
PLC connection status
Date & time
Inspection screen
Cam Info
Image grab Info

Inspection status
Sample ID
Full image
Real-time inspection result
Log Data
System Info

Detail inspection result
1) Sample No.
2) Sample ID
3) Insp Result: OK/NG/WARNING
4) Insp Date

Defect Info Detail
1) CamNo: Cam No. with defect
2) Dft Type: Defect type classification
3) X(mm): Defect's X position
4) Y(mm): Defect's Y position

➤ If necessary, we can add and develop functions.
➤ We offer a customized program that you want.

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Portfolio

- Thank you -

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