

SUNGJIN Industry Co.



SUNGJIN Industry Co.



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Q & A



SUNGJIN Industry Co.



Location



SengGok

SengGok Factory (Head Office)

- Office Room
- Welding Line
- Assembly Line
- Painting Line
- R&D Center



Location	49,Gadal2-ro,Gangseo-gu,Busan,Korea
Employees	96 (Office : 16 / Shop Floor : 80)
Production	EXCAVATOR Part (SIDE DOOR , ANTI SLIP , COVER , CABIN)
Land	13,299 m ² 4,023평 (Office:865m ² /Production:5,935m ²)
E-Mail	sungjin8441@bestsungjin.co.kr
Tel / Fax	051-304-1101 / 051-304-2648



History

Startups

1967 ~ 2016



- 1967. Establishment of company
- 1984. Factory re-location (Samrak in Busan)
- 2008. New factory operation (Noksan in Busan)
- 2011. New factory operation (Jisa in Busan)
- 2016. Move to new factory (Saenggok in Busan)

Customer Diversification

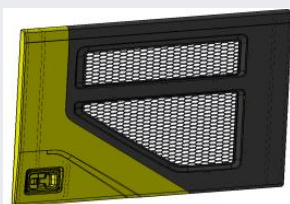
1998 ~ 2017



- 1998. VOLVO CE Business Registratation
- 1995. HDI Business Registratation
- 2017. HCE Business Registratation

Overseas Market Development

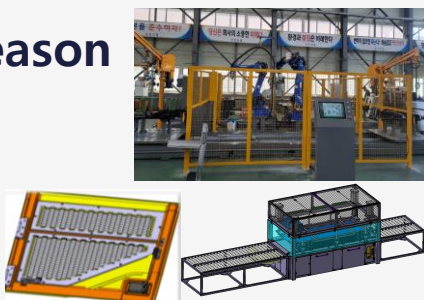
2003 ~ 2011



- 2003. ISO9001, ISO14001 Corporate Research Office Certified
- 2006. 1Million Dollar Export Tower Award
- 2008. 3Million Dollar Export Tower Award
- 2011. 5Million Dollar Export Tower Award

Growing Season

2010 ~ 2025



- 2010. Start Volvo Production System (VPS)
- 2011. Volvo E-Model Sidedoor Self-Developnent
- 2013. Production System Patent Application
- 2019. Creation of Mold Technology Department
- 2021. Application of The First Structural Adhesive In VOLVO
- 2025. Volvo F-Model Sidedoor LRM
- 2025. Design and Fabrication of Auto Sanding Machine

Company - GOAL

Vision

1 Sheet metal Company in Asia

Goal

Operational Excellince in QDC

Annual Revenue: 30 Billion KRW

Industry Rank: Top Tier in Korea

Operating Margin: 15%



Strategy

Strategic Partnership

Long-term OEM Partnership
강화
고객 맞춤형 외장부품 공동개발

Smart Factory

MES 기반 공정 통합관리
생산 데이터 실시간 모니터링
품질 추적 시스템 구축

Continuous Improvement

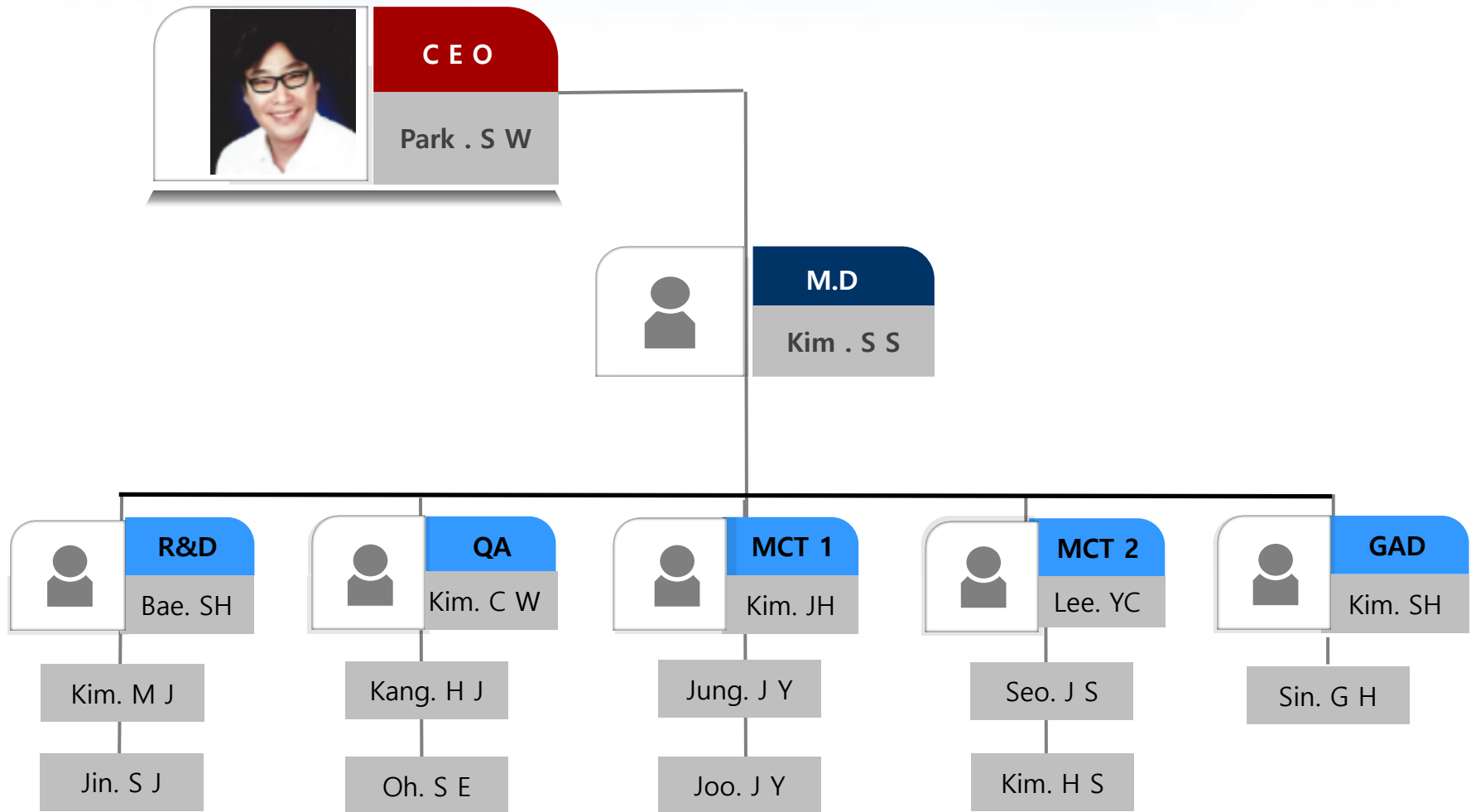
VPS Manufacturing 적용
생산성 및 수율 지속 개선
원가 경쟁력 확보



SUNGJIN Industry Co.



Organization





Major Facilities



❖ Production Equipment - Press

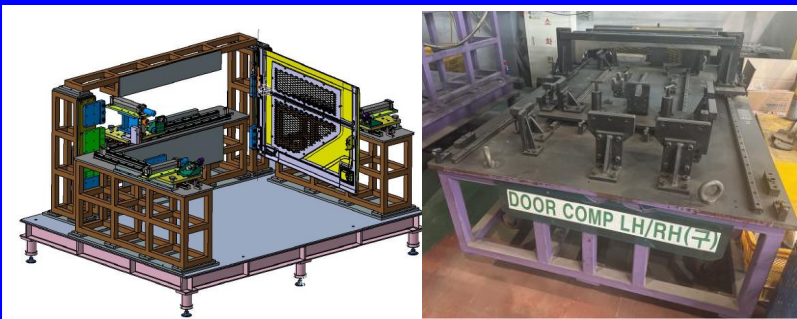
Hydraulic Press : 1500 / 1000 / 250 Ton



❖ Production Equipment – Painting & Assembly

Conveyor Painting Line – 1,2,3,4

Assembly Line – 1,2



❖ Production Equipment – Measuring Instruments

S/DOOR Reliability testing machine

S/DOOR Checking Fixture



❖ Production Equipment – Robot Welding System

S/DOOR Bonding Robot

S/DOOR Spot-Welding Robot



SUNGJIN Industry Co.



ISO Certificate of Registration

OHS Management System

CERTIFICATE OF REGISTRATION OHS Management System

Sung Jin Industrial Co.

#49, Gadal 2-ro, Gangseo-gu, Busan, Korea

KIC hereby certifies that the management system of the above organization conforms with the requirement of the following standard :

KS Q ISO 45001:2018 / ISO 45001:2018

This certificate is valid for the following product or service ranges :

Design, Development and Manufacture of Excavator
Cabin, Side Door and Construction Equipment of parts

Certificate NO. : OSC0878

Valid Until Date : 07-April-2027

Certificate Issue Date : 08-April-2024

Original Certificate Date : 08-April-2024

 KOREA INT'L STANDARDS CERTIFICATION

This certificate is intellectual property of KIC Co., Ltd. and can be maintained through surveillance and renewal audits. If you can not maintain the certification, this certificate shall be returned to KIC Co., Ltd.

KIC Co., Ltd. has accredited by Korea Accreditation Board as a Certification Body for OHS Management System (Accreditation number : KAB-OC-08)

Authorized by : *Chun Joo, Kim*
Kim, Chun Joo, President

KIC Co., Ltd. Pm 305, B-dong, 150, Yeongdeungpo-gu, Yeongdeungpo, Seoul, Republic of Korea TEL : 02-786-0700 FAX : 02-786-0706

Quality Management System

CERTIFICATE OF REGISTRATION Quality Management System

Sung Jin Industrial Co.

#49, Gadal 2-ro, Gangseo-gu, Busan, Korea

KIC hereby certifies that the management system of the above organization conforms with the requirement of the following standard :

KS Q ISO 9001:2015 / ISO 9001:2015

This certificate is valid for the following product or service ranges :

Design, Development and Manufacture of Excavator
Cabin, Side Door and Construction Equipment of parts

Certificate NO. : QSC3022

Valid Until Date : 28-February-2027

Certificate Issue Date : 13-February-2024

Original Certificate Date : 14-February-2001

 KOREA INT'L STANDARDS CERTIFICATION

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KIC Co., Ltd. has accredited by Korea Accreditation Board as a Certification Body for Quality Management System (Accreditation number : KAB-QC-06)

Authorized by : *Chun Joo, Kim*
Kim, Chun Joo, President

KIC Co., Ltd. Pm 305, B-dong, 150, Yeongdeungpo-gu, Yeongdeungpo, Seoul, Republic of Korea TEL : 02-786-0700 FAX : 02-786-0706

Environmental Management System

CERTIFICATE OF REGISTRATION Environmental Management System

Sung Jin Industrial Co.

#49, Gadal 2-ro, Gangseo-gu, Busan, Korea

KIC hereby certifies that the management system of the above organization conforms with the requirement of the following standard :

KS I ISO 14001:2015 / ISO 14001:2015

This certificate is valid for the following product or service ranges :

Design, Development and Manufacture of Excavator
Cabin, Side Door and Construction Equipment of parts

Certificate NO. : ESC2993

Valid Until Date : 28-February-2027

Certificate Issue Date : 13-February-2024

Original Certificate Date : 27-February-2003

 KOREA INT'L STANDARDS CERTIFICATION

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KIC Co., Ltd. has accredited by Korea Accreditation Board as a Certification Body for Environmental Management System (Accreditation number : KAB-EC-07)

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ISO 45001:2018

ISO 9001:2015

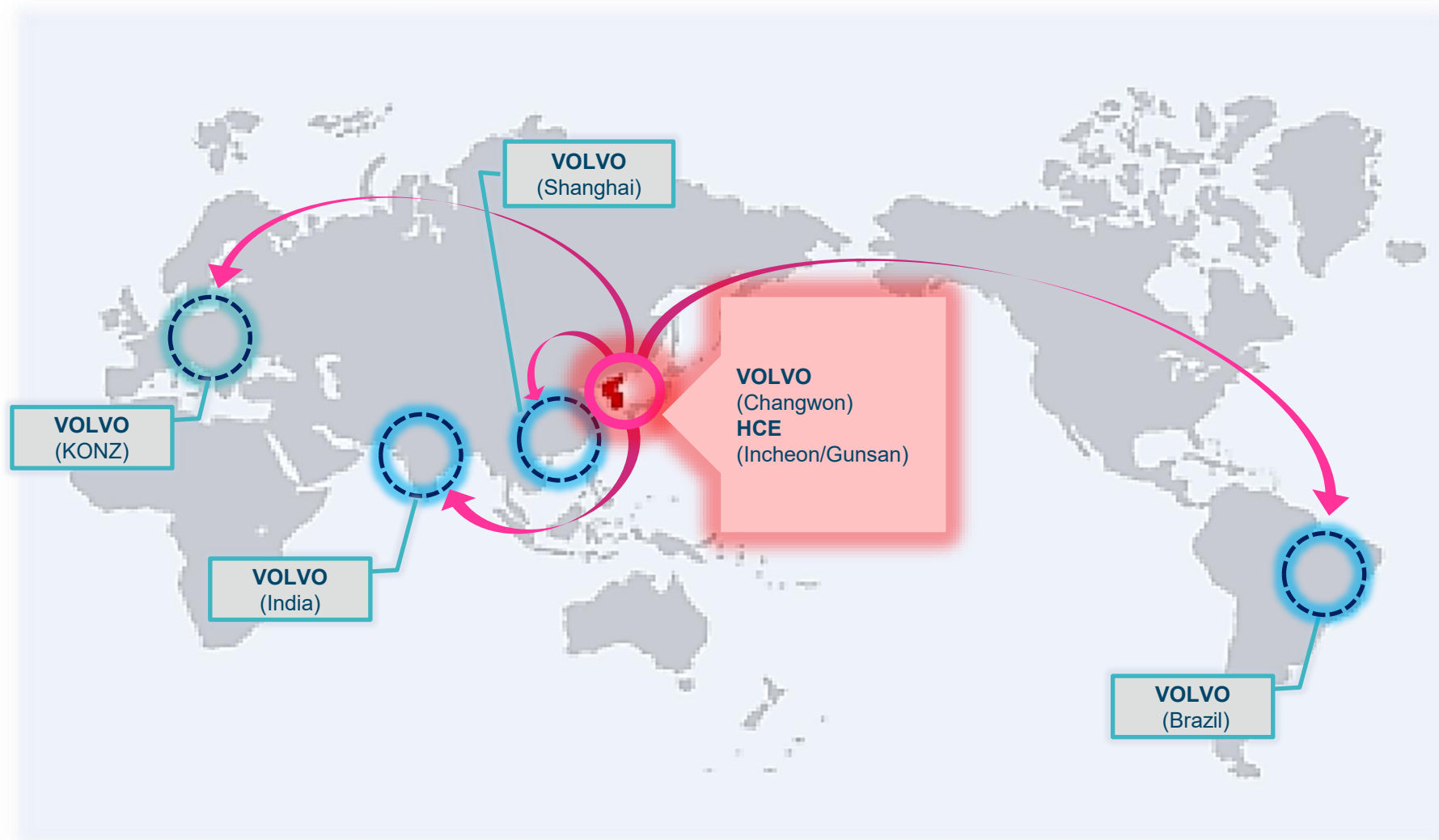
ISO 14001:2015



SUNGJIN Industry Co.



Global Customers

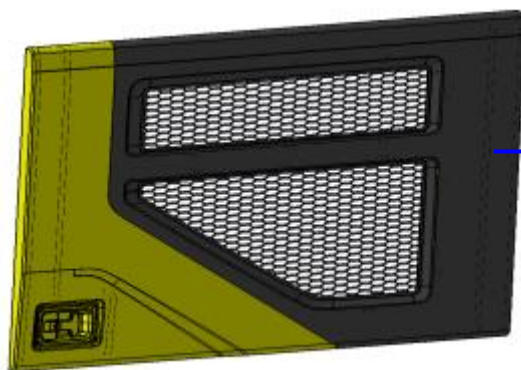




Products 1 - Crawler type excavator for VOLVO



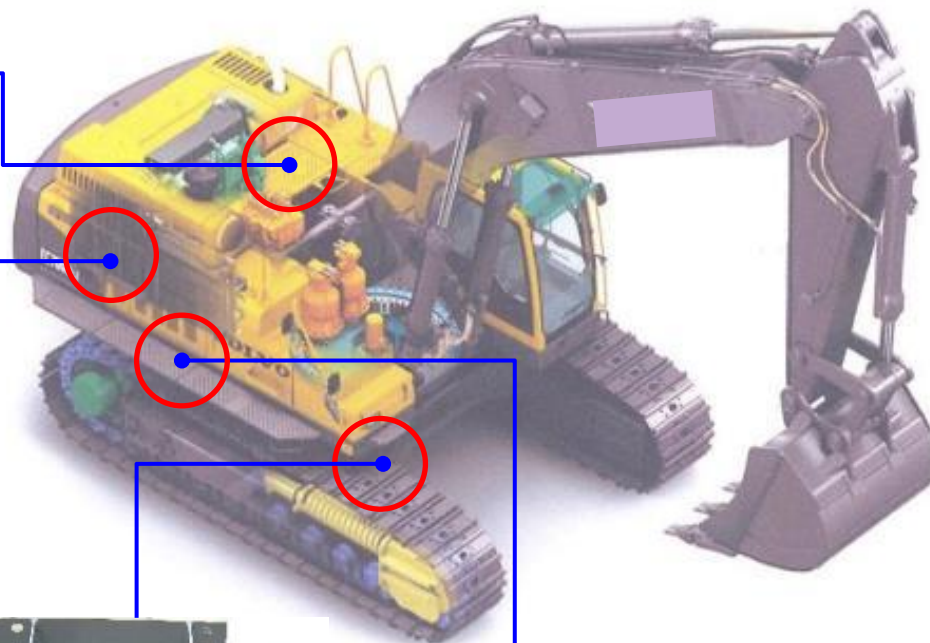
Anti Slip



Side Door



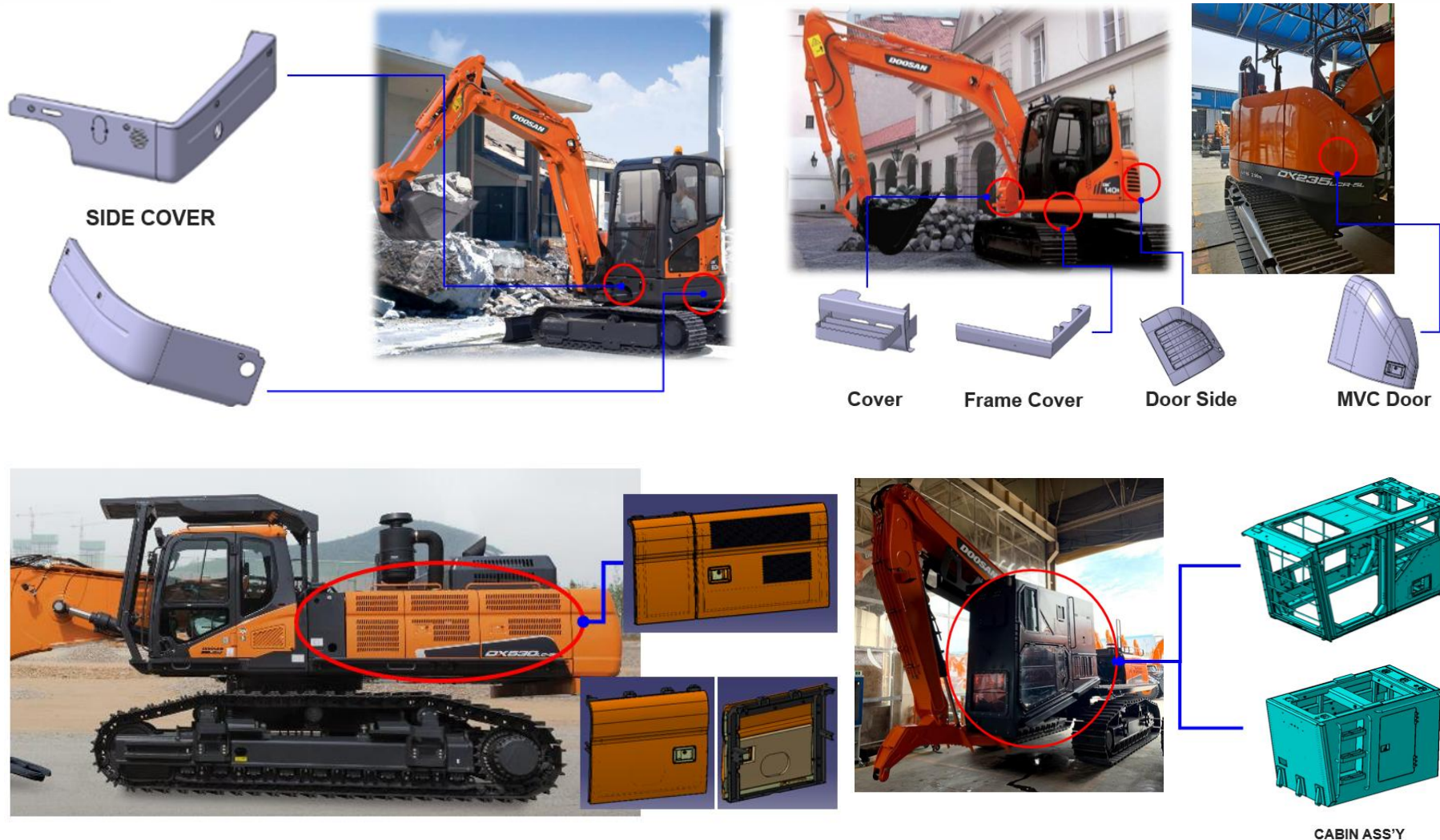
Fender



Walk Way



Products 2 - Crawler type excavator for HDI





Products 3 – Wheel Loder for HDI



CABIN ASS'Y

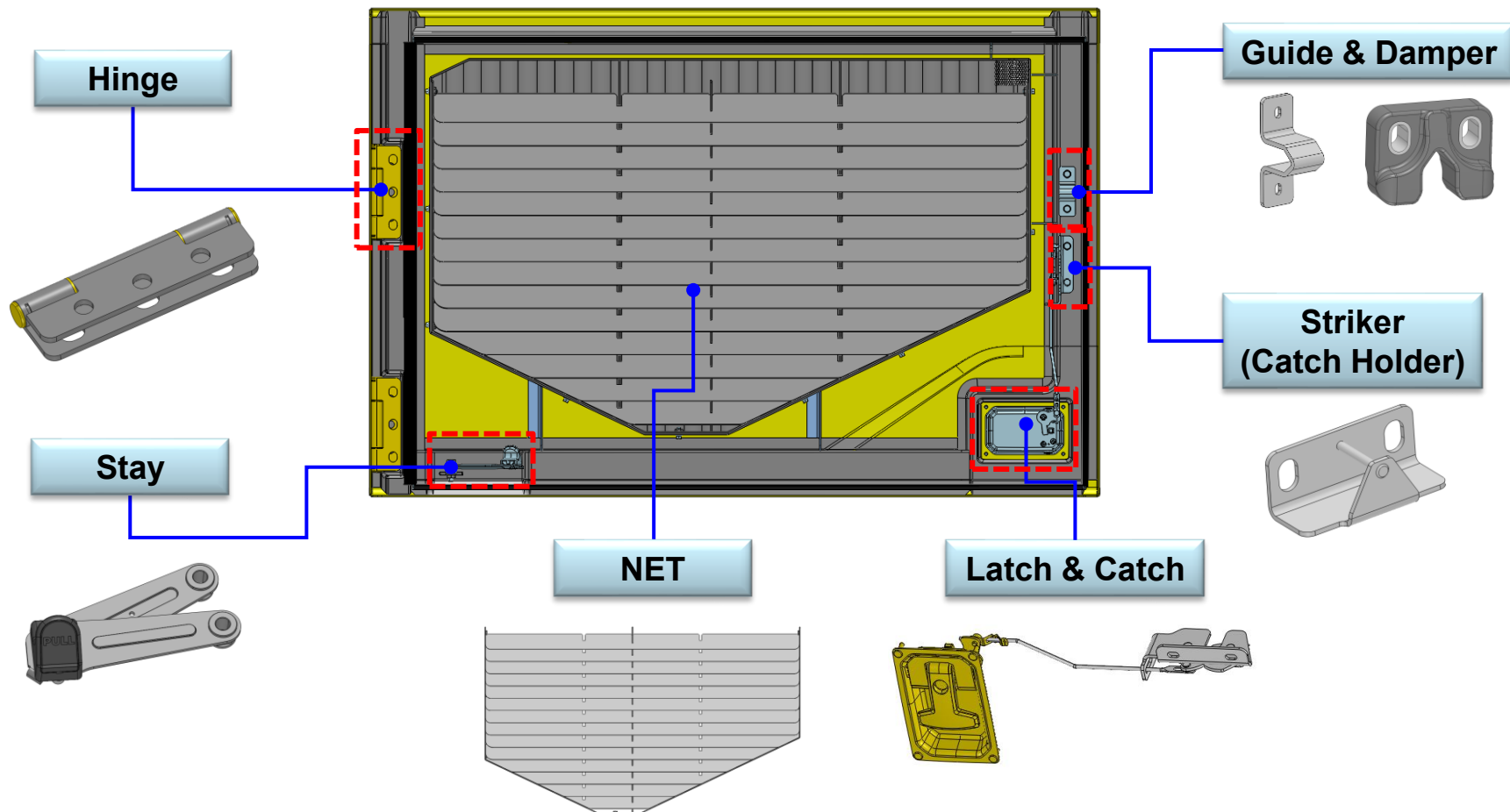


GRILL ASS'Y



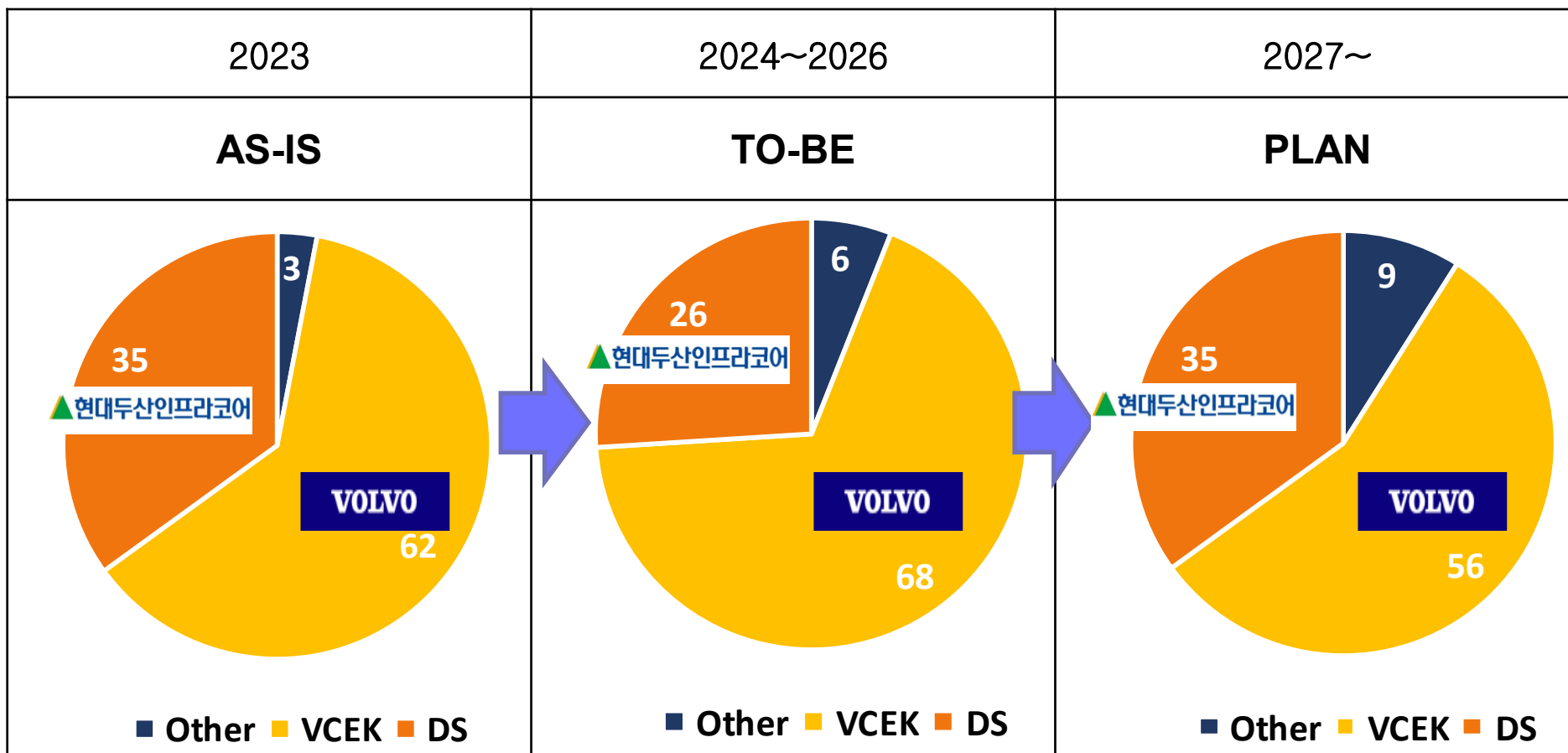
R/GUARD ASS'Y

Products 4 - Accessories





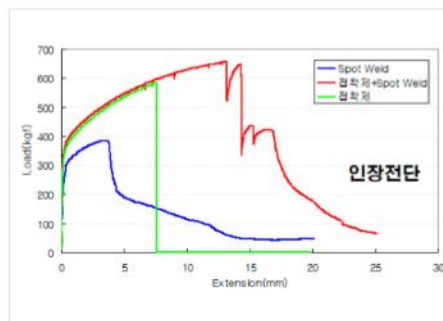
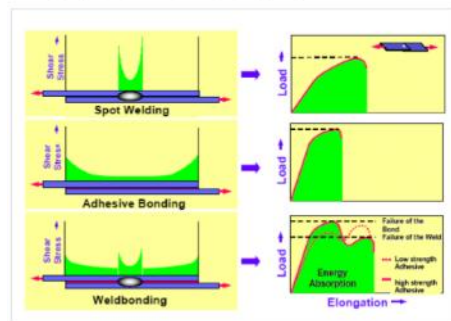
Sales Portfolio



❖ Application of the first structural adhesive method in Volvo excavator

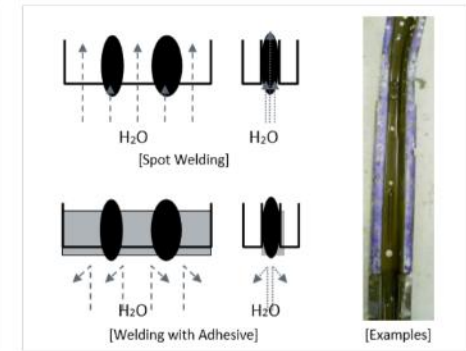
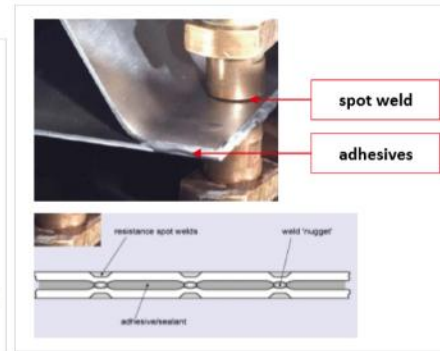
접합 강도 향상

- 스팟 용접에 발생하는 집중 응력을 접착제의 면접합을 통해 응력을 완화하여 높은 강도를 유지



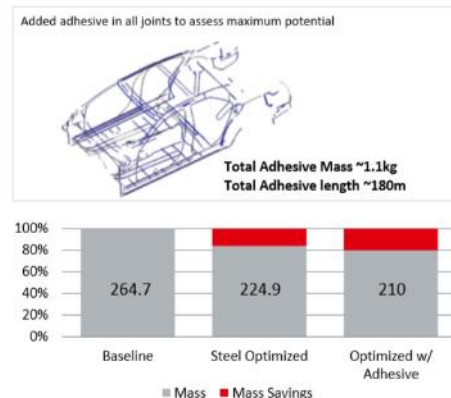
부식 방지

- 도장 오븐 전에 차체에 적용됨



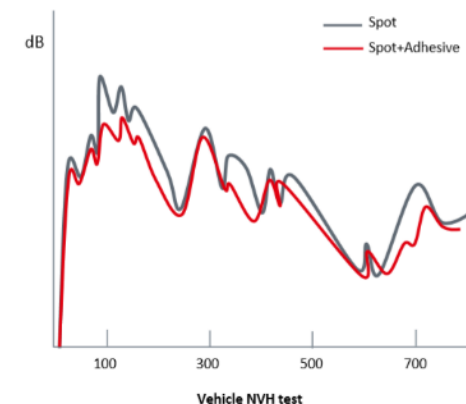
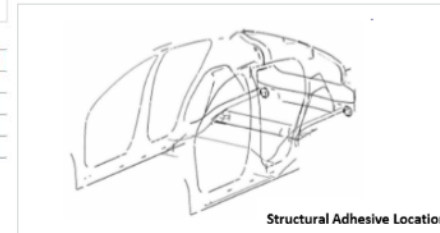
무게절감

- 구조용 접착제의 사용을 통한 강도 향상 보다 얇은 STEEL을 적용가능
- Match Original Performance Metrics:
 - Static & Dynamic Stiffness
 - Side Impact
 - Roof Strength
 - Front Offset Deformable Barrier
- 결론
 - STEEL 최적화설계 224.9kg
 - 구조용 접착제 적용, 최적화시 14.9kg 감소
 - 공정비용은 다소 상승



진동 소음 성능 향상

- 구조용 접착제 약 60m 적용
 - BIW에서 1st 공진주파수 약2Hz 감소
 - 완성차에서의 노이즈 감소
 - 3dB over 80Hz~150Hz
 - 5dB over 330Hz~400Hz
 - 3dB over 650Hz~720Hz



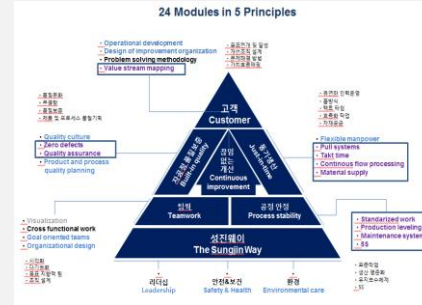
1 Structural Adhesive Test STD Manufacturing

- ❖ Approved mass production of structural adhesive for the first time
- ❖ Manufacture of various standards for structural adhesives and TEST approval



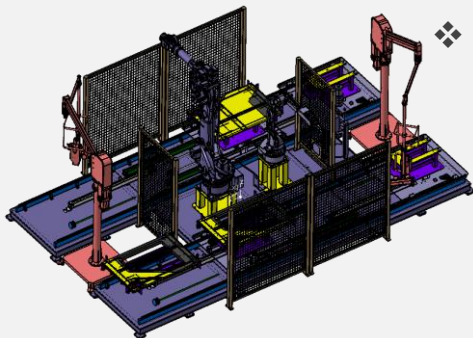
2 Volvo Production System

- ❖ Since the introduction of VPS, 5S is being managed intensively and various improvements are in progress



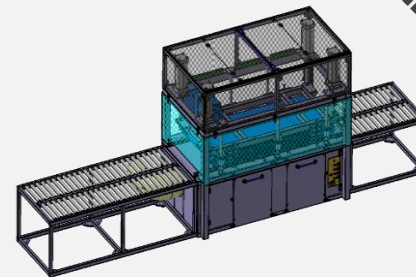
3 Structural Adhesive Welding Technology

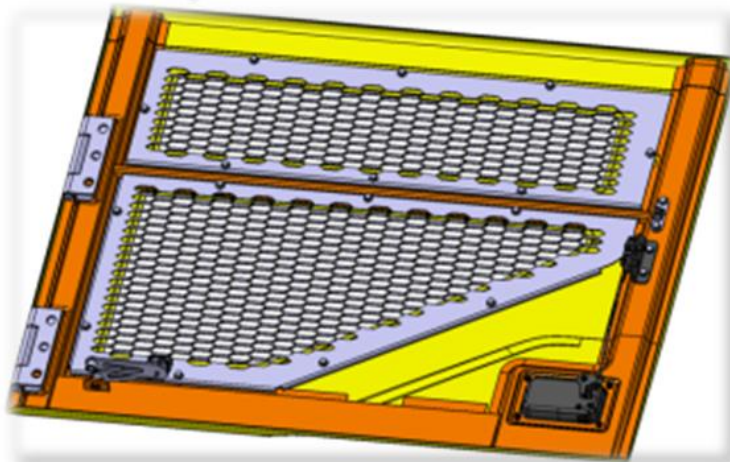
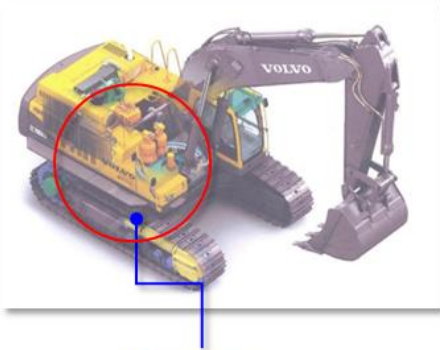
- ❖ Increasing efficiency of structural adhesive through self-design and production and application of mass production



4 Auto Sanding Machine

- ❖ Innovation of painting polishing work Semi-automatic polishing work progress

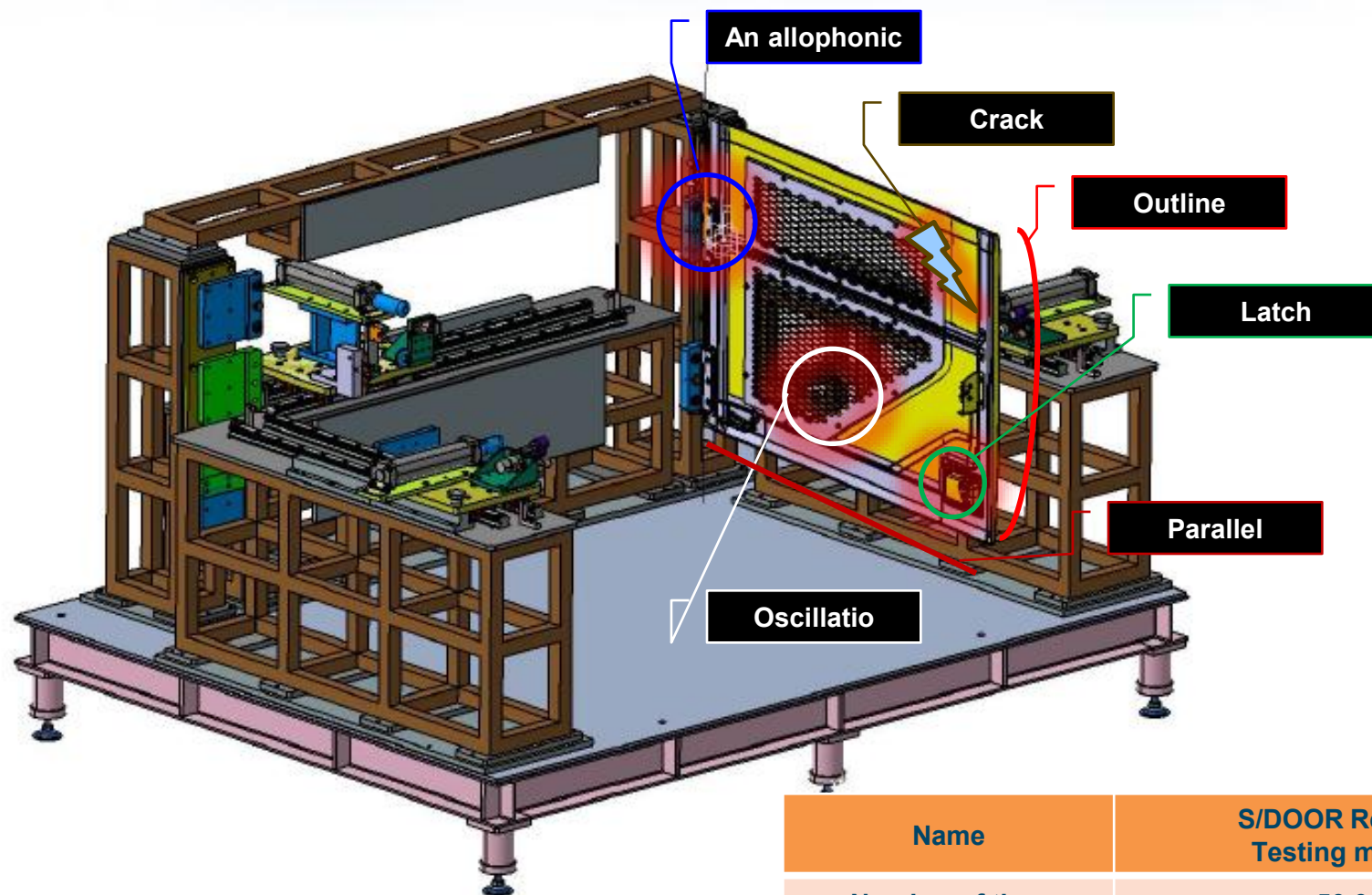




Design – EC480 T4F Inner Panel
Application of self-design and development



Design - Reliability testing machine

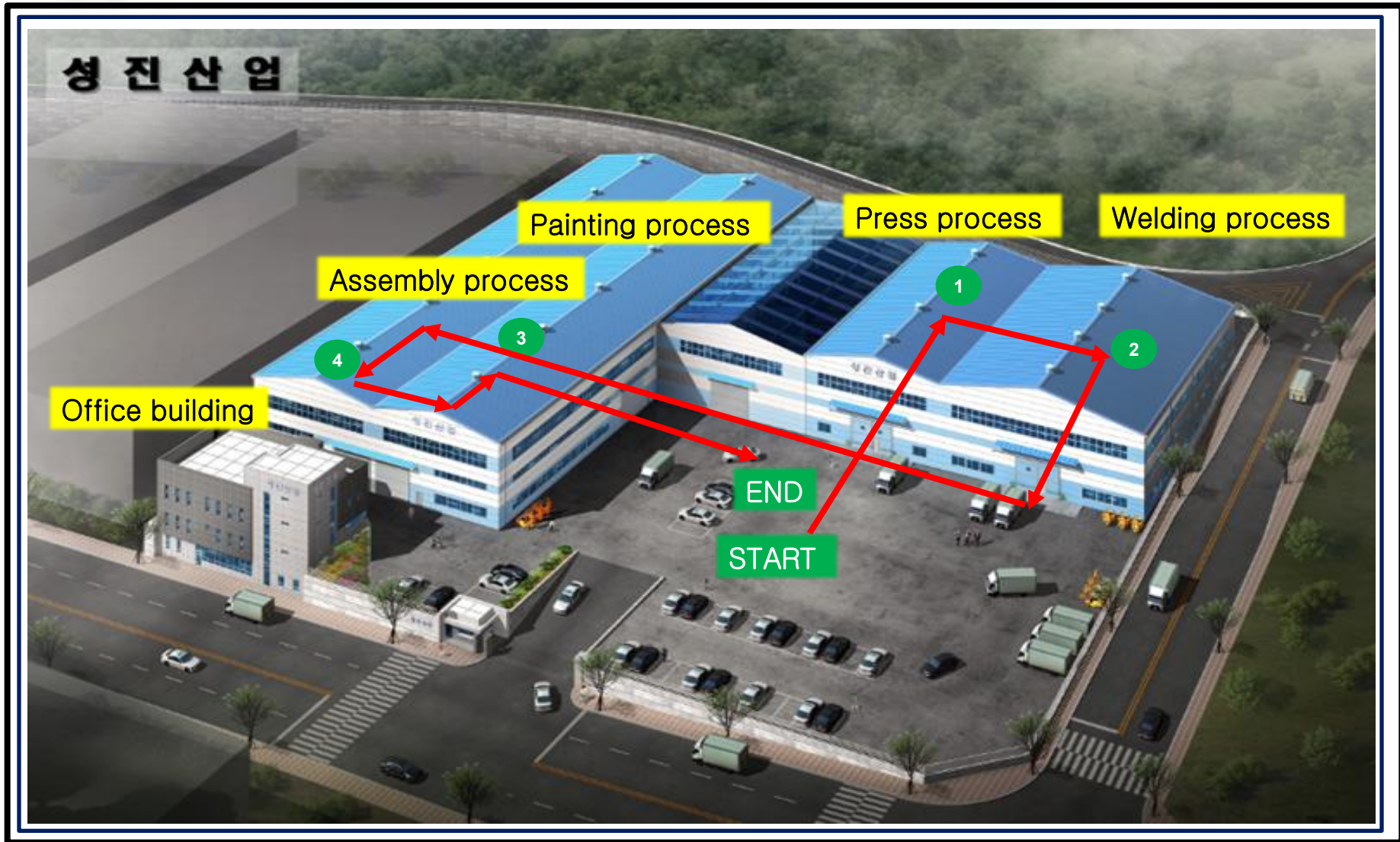


Name	S/DOOR Reliability Testing machine
Number of time	50,000
Measuring range	S/DOOR Durability verification





Field Trip Plan – Lay Out



Thank you



SUNGJIN Industry Co.