

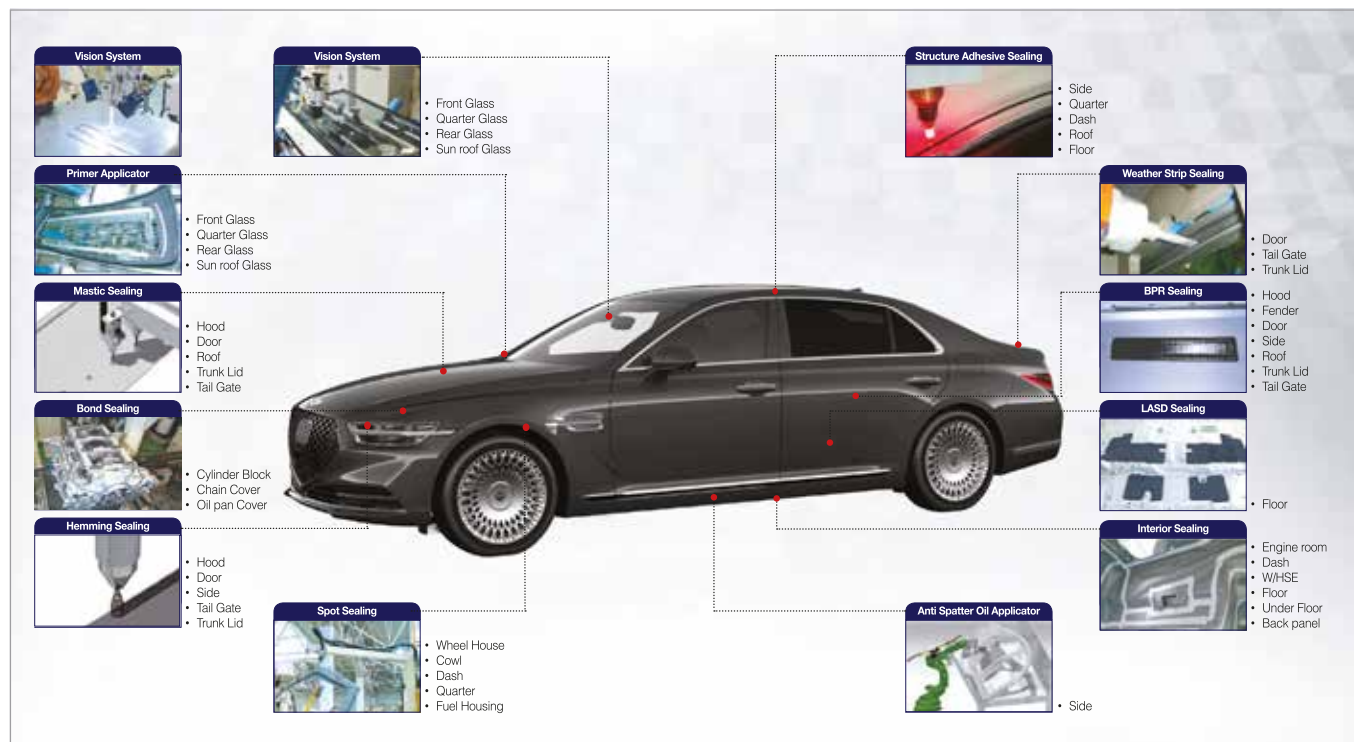




Since its establishment in 1988, Daemyung Total Solution Co., Ltd. is specialized on manufacturing and developing of Sealant Equipment of car production line and Vision System for inspection, providing Total Solution for Design, Manufacturing, Test Running, Installation, A/S, etc. In addition, Daemyung with all employees are doing their best for satisfaction of dear valued customers though advanced technology and quality innovation.



Equipment Application



Clients



The World's Best Sealant Equipment Manufacturer

DMTS will grow into a top-class sealing manufacturer in the global motor markets, embracing that of the Chinese and the American markets.



Structure Adhesive Sealing

Structure Adhesive Sealing is designed for strong adhesive of panel by heat-hardened material when passing thru dry-oven after dispensing Structure Adhesive on various joint parts with exclusive Sealing Equipment.

In order to obtain lowered-viscosity state, heat is applied at working temperature of Structure Adhesive, applied at working temperature of Structure Adhesive, pumping and controlling of flow rate are followed. After dispensing(Extrude Pattern) on applied parts, it is needed to turning back to the original high-viscosity state, and heating-hardening at painting dry-oven.

TS-SA7000 | Structure Sealing System



TS-SA1000 | Manual Structure Sealing System



BPR, 2BPR Sealing System

BPR(Body Panel Reinforcement) Sealing is designed for anti-vibration and panel reinforcement by heat-hardened sealer while passing through painting dry-oven after dispensation of sealer on the weakened areas of the panel by using exclusive Sealing Equipment.

TS-BPR 7000/7100

Auto BPR Sealing System



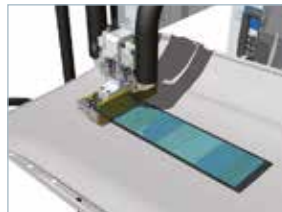
TS-BPR 1000

Manual BPR Sealing System



TS-BPR 7300

2BPR Sealing System



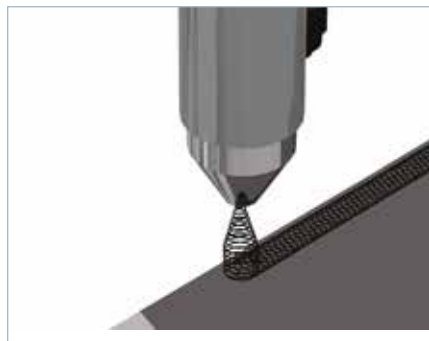
LAY-OUT



Hemming Sealing System

Hemming Sealing is designed for panel adhesive and anti-corrosion reinforcement by heat-hardened sealer when passing through painting dry-oven after dispensation of Hemming Sealer on Hemming joint area by using exclusive Sealing Equipment.

TS-SWIRL7000



Anti Spatter Oil Applicator

Anti Spatter Oil Applicator is designed for preventing spatter adhesion on spot welding after dispensing Anti Spatter Oil on Spatter adhesive contamination part before spot welding.

TS-AS3000



Direct Glazing Sealing

Direct Glazing Sealing is designed for adhesive of car glass on car panel by hardened sealer reacting with humidity in the air after dispensing DGU(Direct Glazing Urethane) Sealer on car glass and panel joint part with exclusive Sealing Equipment.

TS-DG7000



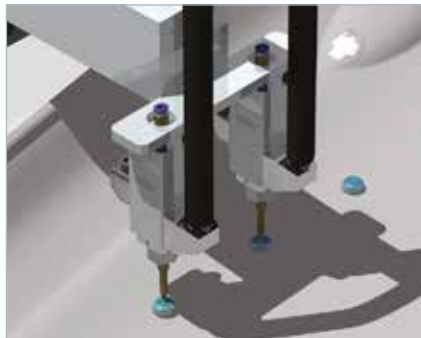
Mastic & Spot Sealing System

Mastic & Spot Sealing System(TS-Mastic3000) is designed for dispensing Mastic & Spot Sealer with Extrude Pattern by using Extrude Gun(dispense gun) and AOPR(dispense pressure controller), of which is excellent sealing system of simple structure equipping with essential composition for auto dispense, convenient for maintenance, easy-applicable at site.(TS-Mastic1000 : Manual)

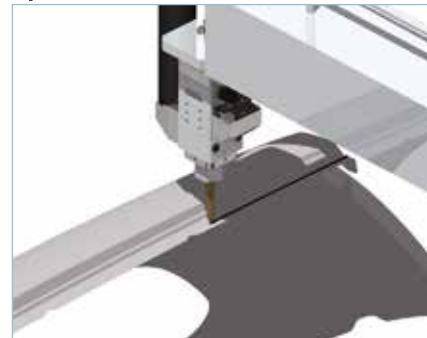
LAY-OUT



Mastic



Spot



Primer Applicator

Primer Applicator is designed for adhesive improvement of DGU(Direct Glazing Urethane) Sealer on car glass by dispensing between rubber adhesive and car glass with exclusive Primer dispense equipment.

PRI1000



Bond Sealing System

Bond Sealing is designed for water-tightness, adhesive when assembling engine block and engine cover by dispensing Bonder Sealer with exclusive equipment on those joint parts.

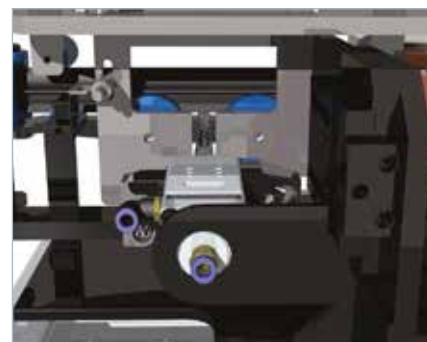
TS-BO3000



Weather Strip Sealing System

Weather Strip Sealing is a method where the sealer goes through inside the weather strip. The purpose of the weather strip sealing is to apply a watertight sealer inside the vehicle's interior.

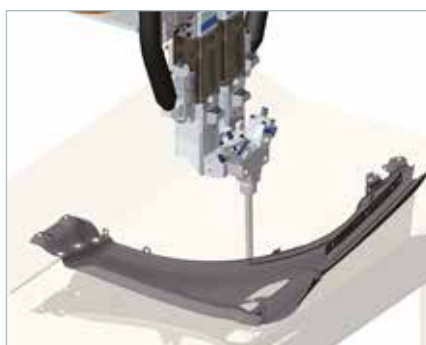
SCF2510



2K Sealing System

2K(two-liquid type) sealing method has capacitated bonding of dissimilar materials, which were not applicable to existing structural sealer due to natural hardening at room temperature by mixing of base and hardener, and it is applied to prevent deformation that may occur during the process movement by applying partially to the body production.

TS-2K7000



LASD Sealing System

LASD(Liquid Applied Sound Deadener) Sealing is designed for antivibration and soundproofing by heat-hardened LASD while passing through painting dry-oven after dispensing LASD on the weakened area of car engine and driving vibration by using exclusive Sealing Equipment.

TS-LASD7000



Interior Sealing System

Interior Sealing is designed for dispensing constant volume sealer on body surface after welding of parts in car production line, which is aimed to secure anti-leakage of body welding part, anti-corrosion, anti-vibration, anti-heat dissipation and body panel reinforcement.

INTERIOR7000/3000



High Quality Performance VISION INSPECTION SYSTEM

DMTS will become a total solution supplier with superior technology and impeccable service that is dedicated to the satisfaction of our dear valued customers.

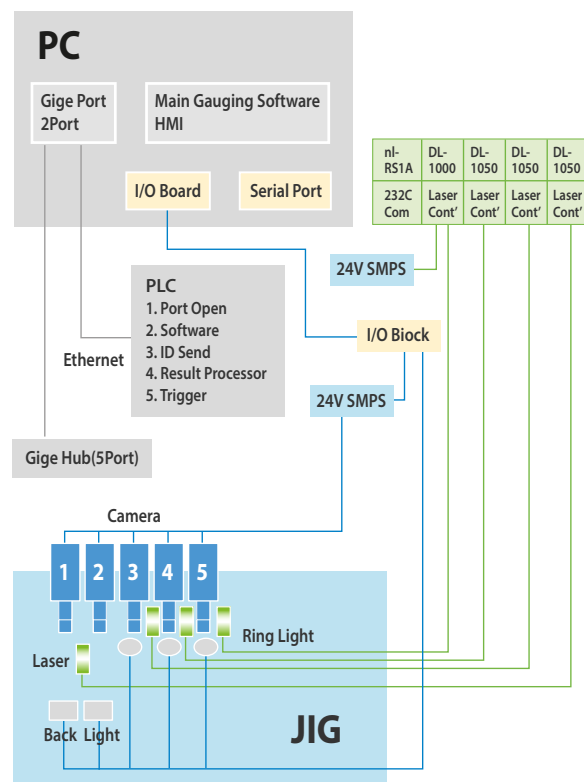


SPC (Statistical Process Control) VISION INSPECTION SYSTEM

The Statistical Process Control (SPC) Vision Inspection System applies highly effective and efficient measures, using a statistical method, to achieve the high quality and productivity that is required in the processing stage.

- Total inspection of the T,L, and H pulling of a product's core parts (e.g. nuts and bolts) and absolute distance measurement
- Ensures product quality, safety, and reliability (quality progress forecast is available)

System Diagram



RR FLR SPC



Inspection system to check the availability of STUD H/W



Rewinder SEPA inspection system



Hydraulic motor assembly inspection system



SEALING VISION SYSTEM



The Sealing Vision System is a quality control system that captures images of sealers, which are coated at high speed, using special lighting, cameras, and PCs or RTs and determines the presence of defects in the sealers and coatings in real time using an independently developed program. By applying diverse lighting and inspection devices and two cameras with wide-angle lenses, the quality inspection of a variety of colored sealers is possible. Also, the system is highly adaptable to the surrounding environment.

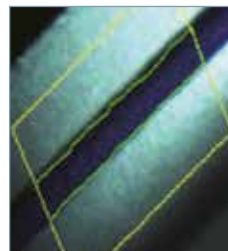
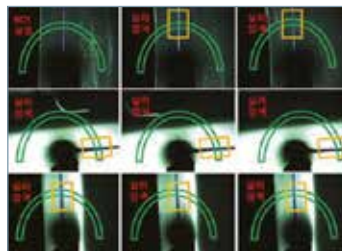
System Diagram



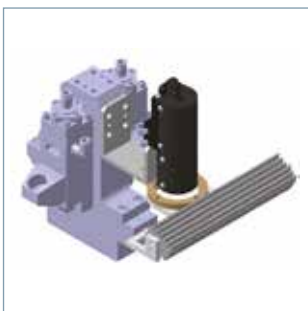
Features and benefits

- High-speed image capture and inspection; automatic sealer location detection and inspection.
- Improves safety through the use of an embedded system.
- Prevents major defects based on real-time inspection.
- Facilitates history/profile management by storing data.
- Non-contact type inspection based on cameras with wide-angle lenses. (360°)
- Offers color (H), chroma (S), brightness (L), or RGB inspection.
- Identifies uncoated areas and areas with excess or lack of coating.
- Easy to use.
- Outstanding adaptability to surrounding environment.

Category	DMV500
Total inspection	250mm/sec (640x480)
	Total inspection is available
Rate of image capture and decision	20 sheets/sec (640x480)
Inspection method	Real time (AutoROI)
OS / Controller	Windows 10 PC for industrial uses

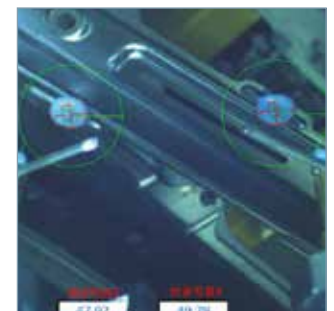
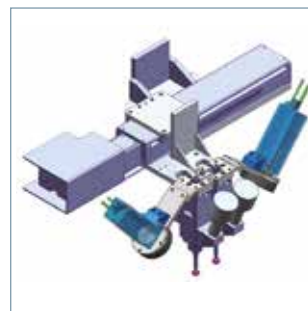


DMV-B100 (BPR)



BPR Sealing Vision Inspection System

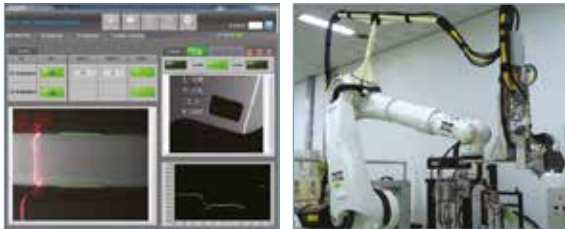
DMV-M100 (MASTIC)



MASTIC Sealing Vision Inspection System

Roof Ditch 2D/3D Vision Inspection System

The Roof Ditch 2D/3D Vision Inspection System detects locations with coated sealers, foreign substances, excessive coating, and broken seals in real time using special lighting, cameras, PCs, and 3D sensors.



2D, 3D Total Inspection

Compact Vision Inspection System

This is a low-end, compact sealer inspection system.

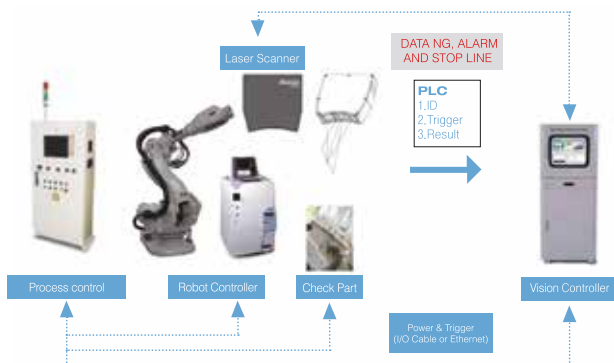
- When coating sealers, the location and width of the coating can be inspected in real time.
- Limitations: applicable to coatings with a length of less than one meter, no high-speed photography, limited storage period and capacity for inspection data, and limited frame inspections.



CO₂ WELDING VISION SYSTEM



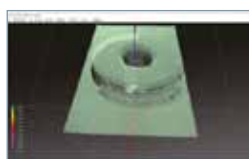
CO₂ Welding 3D Vision Inspection System



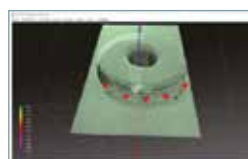
The CO₂ Welding Vision System uses a 3D laser sensor to measure bead shape of welded areas in three dimensions, analyzes each profile, and decides whether the external welding (e.g. length, width, etc.) is acceptable.

- Subjects of external inspection: Bead width, size of fillet weld, length and height of weld, and detection of defects in the weld

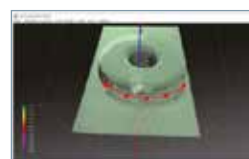
How the path is created



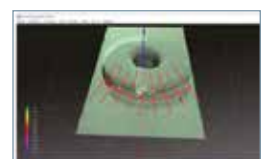
3D data



Designation of points according to the directions in need of profiling



Path creation



Profile creation

CO₂Welding Monitoring System

The CO₂ Welding Monitoring System allows for the real-time detection of weld defects and sorting of defective products by providing workers with images acquired through a lighting, camera, and PC system that they can then inspect and evaluate by eye.





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