



Robotic technology

Existing state of affairs

Seals are an important quality criteria within automotive manufacturing and may be of a wide variety of shapes and forms. thyssenkrupp Automotive Body Solutions is an active global system partner for the application of door seals. Our engineers have been working on new solutions for more than twenty years, offering more efficient and flexible assembly systems.

Technical description

Automatic roll-on process of seals either as an endless seal, or pre-cut length of seal by a robot to doors, windows, side panels and sunroof apertures. Either the panel is robot guided along the stationary roll-on unit, or the roll-on unit is robot guided along the panel. A proven and innovative technology enables a tensionless application. When using an endless seal, the two free ends can be joined together.



Roll-on unit of the robotic seal application

Technical information

Endless seal from a coil

High flexibility

- Can be applied to various panels
- Quick model change
- Vehicle and type diversity

Reduced manpower and cost savings

Reduced logistics in the manufacturing plant



Application head of the sunroof seal

Fields of application

We offer global solutions for the robotic seal application to doors, windows, side panels and sunroof apertures of various types of vehicles. Our system technology can be integrated into existing door assembly lines. Depending on customer requirements, this process can be fully automatic.

Unique selling points (USP)

- Short retooling time for new derivatives
- High type diversity using the same seal

Contact

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