

## METAL PROCESSING AND PLASTIC MOULDING

### Products and applications

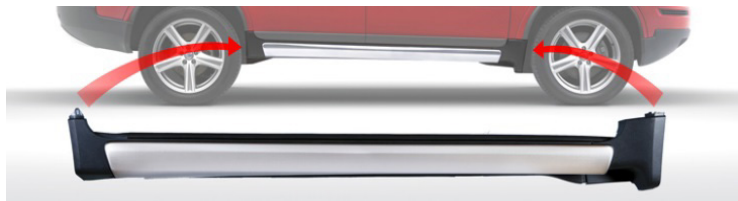
Preciform's major activities are metal sheet processing, injection moulding, surface treatment and assembly. Preciform is a specialist in combining these processes in order to create the most cost-effective components for its customers, especially when there is also a demand for decorative and sustainable surfaces.

### Tread and Scuff plates

Decorative Tread and Scuff plates for passenger vehicles are fitted on the sill. Tread and Scuff plates typically consist of an injection moulded plastic carrier and a metal plate assembled on top of the carrier. A logotype or text can be applied on the metal plate and surface treatment ensures the correct appearance of the product.



Tread plate



Side scuff plates



Side scuff plates

### Skid plates and door styling

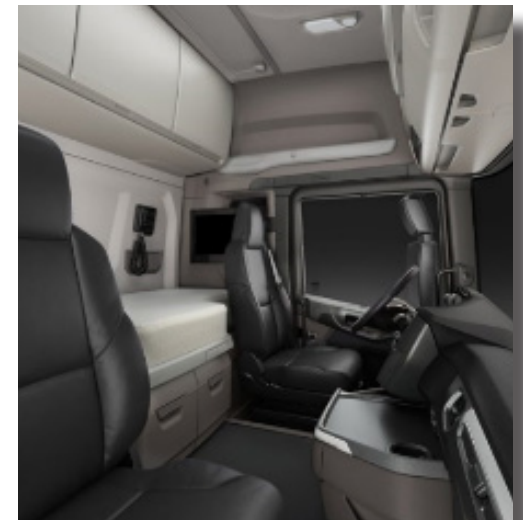
Skid plates for passenger vehicles are fitted in the front and in the rear of the car and consist mainly of injection moulded parts and decorative stainless steel plates. Door styling components are injection moulded and assembled mostly using vibration or ultrasonic welding. A door styling part can have a grained, painted or chrome surface or be covered with a decorative stainless steel plate.



Skid plates

### Storage systems and cab components

Preciform is a system partner regarding storage solutions and interior cab components. In general the projects include technical development, testing, validation, component production and system assembly. Cab components include applications as cup holders, trays, tables, covers, speaker grills, hatches, sun-visors etc.



Truck interior

## Injection moulding

Thermoplastic components are produced in machines with a clamping force from 50mt to 1300mt. All machines are equipped with robotized cells for component handling and assembly. The vibration and ultrasonic welding machines create thin shell-formed and rigid components.



Injection moulding machine



Plastic components

## Sheet metal processing

Sheet metal components are made in mechanical and hydraulic presses in a range from 60mt - 500mt press force. The degree of automation depends on the complexity and serial volume of the final products.

Deep drawing enables thin sheet casings to be produced without welding. The method allows manufacturing of products with an advantageous relation between strength and weight. Sheet metal manufacture is carried out with either progressive or single punch tools. Post-treatment processes for metal components include welding, blasting, grinding, polishing, washing and laser marking.



Metal components