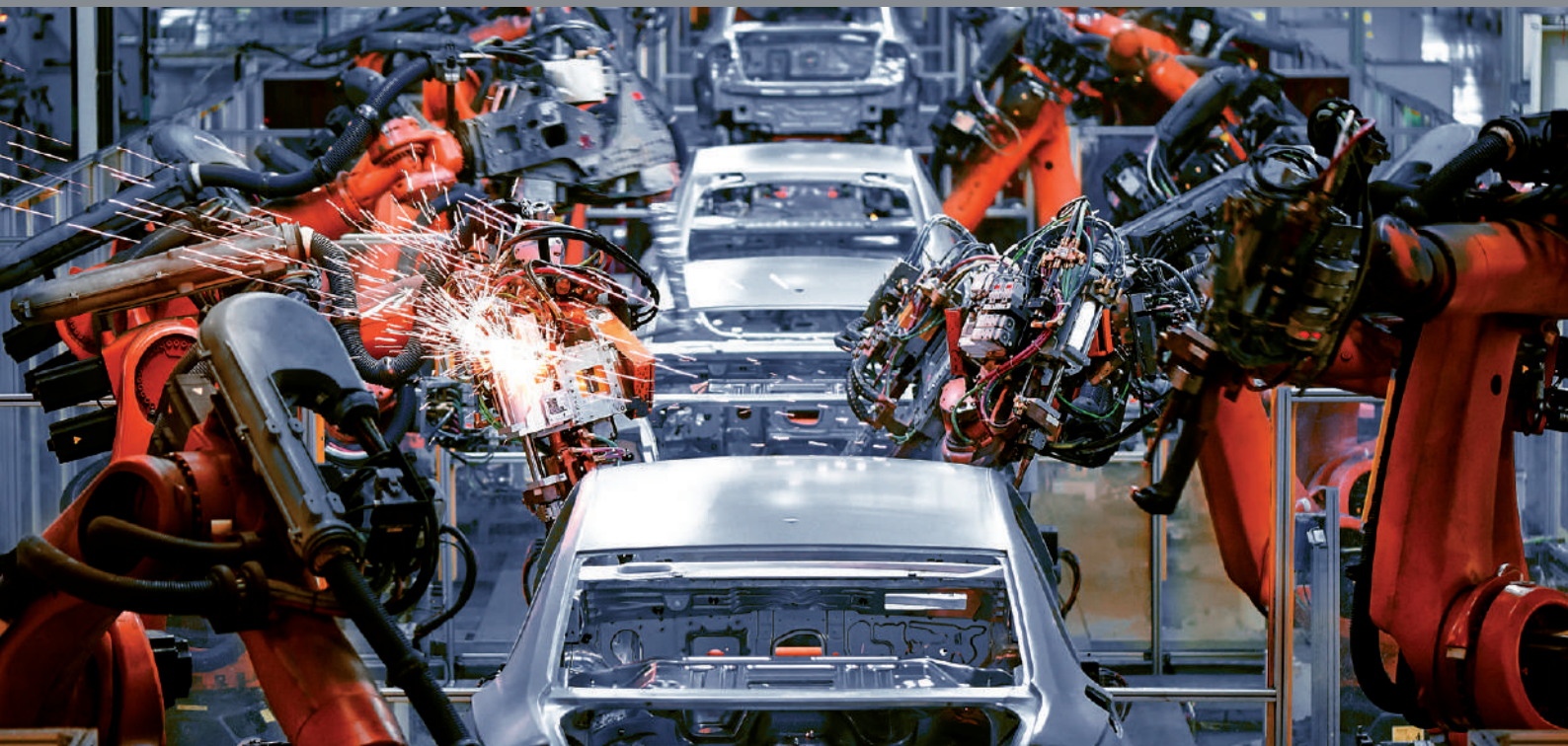


# GOUDSMIT

## MAGNETICS

**Customised magnets for  
the automotive industry**



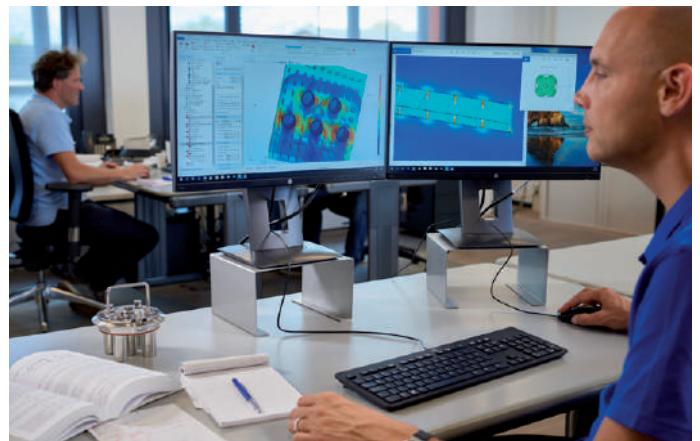
# Customised magnets for the automotive industry

Goudsmit has been advising, designing and supplying magnets and assemblies for various applications in the automotive industry for decades. The combination of your concept with our knowledge of magnetism results in an innovative and functional prototype and end product. We are happy to advise you about shape, material, quality and manufacturability options. These determine the success of your product! With our ISO 9001:2015, ISO 14001:2015, IATF16949:2016 and AS9120B certifications, you are guaranteed magnets that meet the highest quality standards.

## Speed up your Time-to-Market

Finding the right magnet can be a time-consuming process. Our experts have the right knowledge and will help you develop a customised magnet or assembly that meets your requirements. This saves you time and money and gives you certainty about the functioning of a magnet or assembly even before the prototyping stage.

- Advice on material, grade, shape, dimensions, direction of magnetisation and coating
- Complex FEM magnet calculations and 3D simulations
- Engineering, analyses & testing
- Prototyping and samples



## You are assured of the right quality

The right quality is important for your production process. Our well-equipped measuring laboratory with competent QA/QC technicians, assure you of the right magnets and flawless components, exactly according to your specifications.

- IATF 16949:2016 certified
- Tier 1, 2 and 3 partner
- Process control such as APQP, PPAP, FMEA, SPC & MSA
- Dedicated and highly skilled QA/QC technicians
- Advanced measuring equipment
- Entry control on magnetic and mechanical requirements

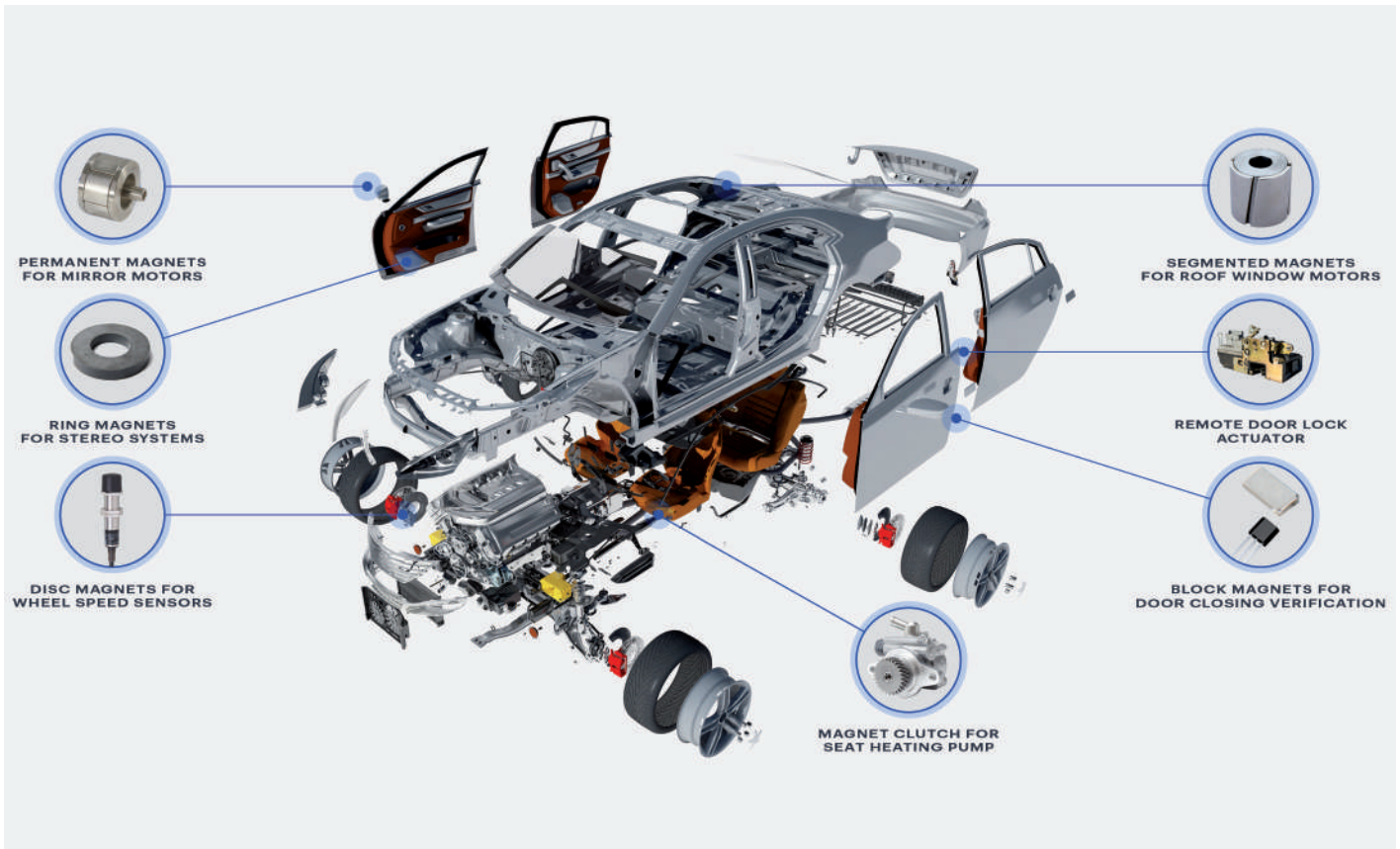


## No unnecessary delays in the supply chain

Sourcing magnets from China causes unnecessary delays. We keep stock in our warehouses for you at fixed prices and only deliver at your request. This ensures you the shortest and most reliable delivery times and keeps your logistics in perfect harmony with your production.

- Stock management & delivery on demand
- JIT (Just In Time) deliveries
- Customised packaging (packaging)
- Full traceability





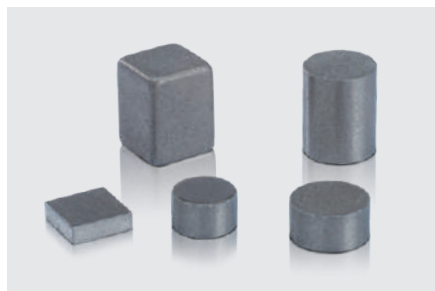
## Custom assemblies and permanent magnets

Goudsmit supplies permanent and plastic bonded magnets of Ferrite, Neodymium, Samarium Cobalt and AlNiCo in the standard form, such as: rings, blocks, rods and discs, but also in customer-specific complex shapes and sizes.



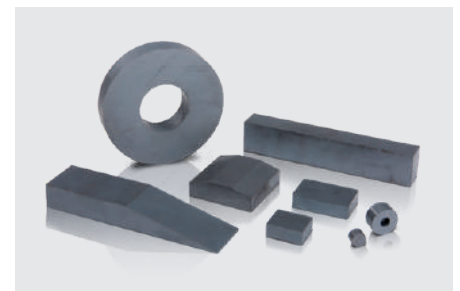
### Neodymium

- Small, lightweight and super powerful
- The highest available magnetic energy density
- Can be used at temperatures up to 250°C
- Available with various coatings



### Samarium Cobalt

- Stable magnet
- High magnetic energy density
- High working temperature up to 350°C
- Resistant to corrosion



### Ferrite

- Good price/quality ratio
- High resistance to demagnetisation
- High working temperature up to 300°C
- Very good corrosion resistance



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