Hirtenberger Automotive Safety specializes in developing and producing advanced pyrotechnic solutions for systems to protect pedestrians and occupants, as well as for non-automotive applications. Our highly innovative developments bring technological and competitive advantages wherever they are used.

Established in 1993 as part of the Hirtenberger Group in Austria, we have become one of the leading suppliers of pyrotechnic products to the European automotive industry. Hirtenberger Automotive Safety supplies almost every major vehicle manufacturer and Tier 1 supplier with products from our core range of pyrotechnic actuators and micro gas generators, as well as many other innovative solutions. We serve the US automotive market from Detroit, Michigan.

Our state of the art testing and production facilities allow us to handle everything from the initial concept to cost-efficient series production. With our more than 700-strong workforce and focus on ongoing technological improvements, Hirtenberger Automotive Safety is a reliable partner now and into the future.

**WHO WE ARE**

**ADVANCED PYROTECHNIC SOLUTIONS**

**Actuators** for pedestrian-protection systems, crash-active headrests, active hood locks, adaptive steering columns, pedal releases, **micro gas generators** for belt and buckle pretensioners and adaptive airbags.

- Actuators
- Micro gas generators
- Roll-over protection systems
- Numerous other solutions, including pipe cutters, intelligent structures, battery disconnectors and active door locks
Hirtenberger develops and manufactures pyrotechnic solutions that protect vehicle occupants and pedestrians. We are the market leader for pyrotechnic actuators in pedestrian protection systems.

Pyrotechnics are the right choice whenever applications need to be moved or triggered within milliseconds. We use advanced methods in very sophisticated environments to develop extremely dependable pyrotechnic products that are key components in automotive safety systems.

Hirtenberger is also a development partner and manufacturer of pyrotechnic solutions for other applications within the automotive industry and beyond.

**PRODUCTS THAT PROTECT**

Hirtenberger is a supplier and development partner to almost all leading OEMs and Tier 1 suppliers. Since our founding in 1993 we have produced hundreds of millions micro gas generators and pyrotechnic actuators for the automotive industry. We entered the automotive sector as a Tier 2 supplier and worked our way up to become a Tier 1 supplier, and now supply leading automakers. In the non-automotive sector we have customers across an array of industries, including the medical and energy industries.

**PEDESTRIAN PROTECTION**

![Pushing actuators for active hinges.](image)

**OCCUPANT PROTECTION**

![Pin-type micro gas generators for seatbelt pretensioners and buckle pretensioners.](image)

**CIRCUIT BREAKERS**

![CB 60
Used for secure electrical separation of the conductor in hybrid and electric vehicles.
(separation capacity 2,000A@60VDC)](image)

**SPECIAL SOLUTIONS**

![Roll-over protection, pipe cutters, active door locks, battery disconnectors and much more.](image)

**OEMs:**
- Audi, Bentley, BMW, Daimler, Porsche, Rolls-Royce, Volkswagen

**Tier 1:**
- Autoliv, Bosch, KSS, Magna, Nexteer, Thyssen Krupp Presta, Witte, ZF TRW

**OUR CUSTOMERS**

![State of the art series production. Advanced production facilities ensure high quality.](image)

**OUR SERVICES**

Your Single-Source Advantage:
- Development
- Engineering
- Simulation
- Testing
- Cost-Efficient Series Production

**CONCEPT DESIGN**         **MECHANICAL DESIGN**
**SIMULATION AND DEVELOPMENT**       **PROTOTYPING**
**AND TESTING**                       **PRODUCTION PLANNING**
**& TOOLING**

**MANUFACTURING**

Fully equipped manufacturing facility for cost-efficient series production.

**TEST CENTER & SIMULATION**

Fully equipped testing center for product and system tests. State-of-the-art simulation methods, including finite elements and multibody dynamics simulations.

**PROTOTYPING**

Prototype department for the fast and effective execution of prototypes and test samples.

**WE ARE CERTIFIED TO ISO TS 16949 AND EN ISO 14001.**

Let us show you more

We look forward to an opportunity to explore how we can help you. Contact us!

has-us@hirtenberger.com
DEVELOPED TO YOUR REQUIREMENTS
We can plug into your development cycle at any point.

CONCEPT DESIGN → MECHANICAL DESIGN → SIMULATION AND DEVELOPMENT → PROTOTYPING AND TESTING → PRODUCTION PLANNING & TOOLING → SERIES PRODUCTION

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MANUFACTURING
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PRECISION
Our products are a perfect fit with customer systems.

WE ARE CERTIFIED TO ISO TS 16949 AND EN ISO 14001.

With our outstanding research and development track record and our long manufacturing experience, Hirtenberger is the ideal partner at every stage in the development process, from initial concepts to pre-production to volume manufacture. Our extensive manufacturing resources give us great cost efficiencies while assuring that our products meet very rigorous quality demands.

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