

# PROTECTION

Security solutions without compromise



# STAHLKONTOR

When the going gets tough

BENEFIT FROM  
OUR MATERIAL  
EXPERTISE IN  
DEFENSE AND  
SAFETY  
STEELS







COMPONENTS  
AND  
STRUCTURES  
FOR CIVILIAN  
VEHICLE AND  
BUILDING  
PROTECTION



# WE HAVE THE PRODUCTION KNOW-HOW FOR YOUR SAFETY REQUIREMENTS

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Major car makers and specialist retrofitters have for many years relied on the unique production expertise of Stahlkontor in manufacturing components that offer ballistic protection for vehicles. The main focus of our production is on made-to-order, integration-ready protective components such as casings, linings, radiator grilles, underbodies, jackets and substructures that offer effective protection against incoming fire, mines and explosives. We supply products that meet all current security and bullet-resistance classes.

We process armored and safety steel sheets from all major manufacturers, high-strength, hardened and tempered specialist construction steels, hard-wearing steels and high-manganese steels. In addition, we also handle non-ferrous metals such as aluminum, titanium and other non-metal specialist materials.

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## **ACCESS TO MATERIALS IN OUR OWN STORES ALLOWS US TO REACT EVEN TO SHORT-TERM REQUESTS**

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We also supply construction components for protection in and on buildings. This includes façades, doors and window frames. Additional applications can be found in numerous other industry sectors. Our many years of experience as suppliers and project managers guarantee smooth order processing.

# INNOVATIVE SOLUTIONS FOR YOUR PRODUCTION PROBLEMS



# WHEN THE GOING GETS TOUGH YOU CAN COUNT ON STAHLKONTOR

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## PROCESS-SAFETY THROUGH CERTIFIED QUALITY.

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Quality assurance is top priority at Stahlkontor. In addition to standard measuring systems for dimensional stability, crack-testing and hardness measurements, we use other modern visual geometric and laser-tracking measurement processes.

Process certifications covering almost all production requirements meet even the most stringent customer specifications. Our certified processes include:

- **DIN EN ISO 9001: 2008**
- **Certification of the welding operation in accordance with DIN EN ISO 3834-2 for defense technology, rolling stock, plant and mechanical engineering (comprehensive quality requirements)**
- **Restamping of materials with certification in accordance with DIN EN 10204/3.1 corresponding to the European pressure equipment guidelines and AD 2000-regulations**

Licenses from the German Federal Office of Defense Technology and Procurement (BWB) for:

- **Laser and water-jet cutting**
- **Welding: Manufacturer's approval according to DIN 2303-Q2 and Q3 BK1 for defense-related products**
- **Cold forming (bending/edging) of armored steels**

# MAKE USE OF OUR EXPERIENCE AS SUPPLIERS AND PROJECT MANAGERS

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## STAHLKONTOR OFFERS YOU:

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Construction components and integration-ready assembly groups according to customer specifications made of unalloyed, alloyed and high-alloyed steels as well as other mainly metal materials

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### CUTTING WORK

Laser or water-jet cut 2D, 2.5D and 3D quality components, as well as oversized parts

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### WELDING WORK

Laser, inert-gas and laser hybrid welded quality components

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### FORMING/SHAPING AND FIRST STAGE PROCESSING

Cold-forming (bending, compression molding, edging, leveling), further processing (boring, deburring, milling) and surface treatments (sanding, blasting, coating)

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### MATERIALS TRADE

In-house stores of materials with high-strength steel sheet of different grades and strengths, sourcing of primary materials and logistical services

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### CERTIFIED QUALITY MANAGEMENT

Safety through validated processes and standardized quality assurance for defense-related products



# MADE TO ORDER PRODUCTION FROM INDIVIDUAL COMPONENT TO COMPLETE ASSEMBLY GROUP

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Stahlkontor supplies everything from individual components right through to complete assembly groups, including for armored casings. Blank cutting is carried out with state-of-the-art CO<sub>2</sub> laser cutting units, water-jet cutting systems and high-speed milling machines. Our process centers undertake mechanical shaping such as bending and edging. Welding works include laser hybrid welding in addition to conventional inert gas and CO<sub>2</sub> laser welding.

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## CONTINUOUS INVESTMENT IN OUR STATE-OF-THE-ART MACHINES ENSURES MAXIMUM EFFICIENCY.

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Surface treatments such as blasting, priming, painting, powder coating or galvanic surface protection enable the manufacture of integration-ready components and assembly groups or those that require further processing. Our extensive network of long-term partners allows us to cover all parts of the production chain cost-effectively.

Our stores of materials contain several thousand tons of armored steel in different grades and strengths. The sourcing of primary materials and the full logistical handling of finished components round off our service offering.



**STAHLKONTOR**  
When the going gets tough



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