

AVIATION

A total package



STAHLKONTOR

When the going gets tough

BENEFIT FROM OF
OUR WILLINGNESS
TO INVEST IN
STATE-OF-THE-ART
PRODUCTION
TECHNOLOGIES





BLANKS, ASSEMBLY GROUPS AND EQUIPMENT FOR THE AVIATION INDUSTRY



WE OFFER THE COMPLETE SOLUTION FOR EFFICIENT PROJECT IMPLEMENTATION

Stahlkontor stands for the customer-focused production of construction components and integration-ready assembly groups made of steel and other non-ferrous metals or non-metallic materials. As a company certified to aviation standard EN 9100:2009, we manufacture both components for aircraft - the so-called "flying parts" - and high-specification assembly groups for the construction of special jigs and fixtures.

STAHLKONTOR HAS BEEN WORKING FOR THE EUROPEAN AEROSPACE INDUSTRY FOR OVER 20 YEARS.

Our innovative approach to solutions expertise and manufacturing know-how enable us to successfully undertake highly complex assignments right up to complete project management. Before every contract, we carry out an analysis of both conventional and alternative production methods to allow us to present the customer with the most economical procedure. Our modular production process - from blank cutting through secondary processing and material testing up to quality assurance - allows us to offer our customers a total package.

INNOVATIVE SOLUTIONS FOR YOUR PRODUCTION PROBLEMS



WHEN THE GOING GETS TOUGH, YOU CAN COUNT ON STAHLKONTOR

PROCESS SAFETY THROUGH CERTIFIED QUALITY

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**
- **EN 9100:2009**
- **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)**
- **Process qualifications for laser welding in accordance with HP 2/1 (pressure equipment)**
- **Restamping of materials with certification in accordance with DIN EN 10204/3.1 corresponding to the European pressure equipment guidelines and AD 2000 regulations**
- **Execution of welding work on steel and aluminum supporting structures in accordance with EN 1090-2 to EN 1090-3 EXC3**
- **Additional certifications in the areas of defense technology, rolling stock and special customer approvals**

MAKE USE OF OUR EXPERIENCE AS SUPPLIERS AND PROJECT MANAGERS

STAHLKONTOR OFFERS YOU:

Construction components and integration-ready assembly groups according to customer specifications made of steel, aluminum, titanium as well as other metallic and non-metallic materials and specialist materials; construction of jigs and fixtures and special constructions for the aviation industry

CUTTING WORK

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

WELDING WORK

Laser, inert-gas and laser hybrid welded quality components

FORMING AND FIRST STAGE PROCESSING

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

MATERIALS TRADE

Comprehensive stores of materials for the aerospace industry, sourcing of primary materials and logistical services

CERTIFIED QUALITY MANAGEMENT

Safety through validated processes and quality assurance according to EN 9100:2009 for suppliers to the aerospace industry

FROM MATERIAL BLANKS TO COMPLETE PROJECT MANAGEMENT

Stahlkontor produces to order: from simple components as primary products for further processing by our customers to integration-ready, complex assembly groups. We are equipped with state-of-the-art CO₂ laser cutting equipment, water-jet cutters and high-speed milling machines for blanks.

We carry out both mechanical processing and welding work in our process centers, where we also use laser hybrid welding alongside inert-gas welding and CO₂-laser welding. This process is used, for example, in the construction of jigs and fixtures, offering a cost-effective and timesaving method of producing profiles from special materials.

Surface treatments such as blasting, priming, painting, and powder-coating or galvanic surface protection are used for the finishing of components or assembly groups that are integration-ready or require further processing.

**EXTENSIVE STORES OF PRIMARY MATERIALS
ENSURE A QUICK RESPONSE TO SHORT-TERM
ORDERS FOR PRODUCT DEVELOPMENT AND
PROTOTYPING.**



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