



## Company

The major civil and military aircraft manufacturers and recognised aeronautical equipment manufacturers have been working with STAINLESS FRANCE since the 1950s.

STAINLESS supplies them with copper alloys (CuBe2 and ToughMet® in particular), special alloys and stainless steel bars. These materials, which meet the most stringent aerospace standards and customer specifications, are used in friction rings for all types of structural joints (landing gear, flaps and leading edges, actuators, doors, etc.), in small mechanical parts, in honeycombs for heat exchangers or in other engine parts.

Supported by a network of leading manufacturing partners, the reliability of its service, its uncompromising product quality and traceability policies, and its ability to offer new products, make STAINLESS a recognised partner.

Our technical department is constantly on the lookout for innovations to meet the changing needs of our customers.

The powerful combination of our dedicated aerospace stock and international logistics allows us to offer a fast and efficient personalised service, fast and efficient, whatever the quantity.



**Close to you,  
everywhere in the world**



STAINLESS  
AMERICA



STAINLESS  
FRANCE



STAINLESS FRÜCHTL  
GmbH

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GRAMS Compliant  
(Airbus quality system)



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SERVICES AND PRODUCT RANGE FOR AEROSPACE

**Performance materials  
for Aerospace  
and Defense  
applications**



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## Supporting High-tech industries since 1928

- Optimal responsiveness
- Adapted stock specific to the aerospace sector making it possible to deliver on available stocks, whatever the volume
- Quality and traceability
- Additional services (Sawing – chamfering – customised stock management, ...)
- Technical support / metallurgical analysis laboratory
- International logistics organisation for fast and effective local service



## High performance Aerospace materials

Referenced by Airbus, Dassault, Liebherr, Thalès, Safran, MBDA, Collins...

GRADES	INTERNATIONAL STANDARDS	AVAILABLE SHAPES						
		Round bar	Tubes	Flat bars	Sheet	Strips	Powder	Wire
								
Copper Beryllium - CuBe2								
Alloy 25 - C17200	AMS 4533 - AMS 4534 - AMS 4535 - AMS 4650 - AMS 4651 - AMS 4530 - AMS 4532 - AMS 4725	✓	✓	✓		✓		✓
ToughMet® 3 - CuNi15Sn8								
ToughMet® 3 AT 110 - C72900	AMS 4696 - AMS 4598 - AMS 4595	✓	✓	✓				
ToughMet® 3 TS 160 - C72900	AMS 4597	✓						
Copper alloys : Copper Nickel, Aluminium Bronze								
CuAl10Ni5Fe3 - UA10N - C63000	NFL 14705 - AMS 4640	✓	✓					
CuAl10Ni5Fe5 - C63020	AMS 4590	✓	✓					
CuAl10Ni5Fe3 - C95510	AMS 4880	✓						
CuAl11Ni5Fe5 - UA11N - C95520	NFL 14706 - AMS 4881 - DTD 197A	✓						
CuZn19Al6 - UZ19A6 - C67000	NFL 14707	✓	✓					
CuNi14Al2 - UN14A2 - C70400	NFL 14702	✓						
Titanium alloys								
Ti 6Al-4V - Grade 5 - 3.7164 - 3.7165 - R56400	AMS 4928 -AMS 4911 - AMS 4967 - AMS 4963 - AMS 4965	✓		✓	✓	✓	✓	✓
Ti Cp Grade 4 - 3.7065 - R50700	AMS 4921 - AMS 4901	✓		✓	✓	✓	✓	✓
Nickel-based alloys								
Inconel 718 - 2.4668 - UNS N07718	AMS 5662 - AMS 5663	✓		✓	✓	✓	✓	✓
Inconel 625 - 2.4856 - UNS N06625	AMS 5666 - AMS 5599	✓		✓	✓	✓	✓	✓
Stainless steels								
17-4 PH - 1.4542 - S17400	AMS 5643	✓			✓		✓	✓
15-5 PH - 1.4545 - S15500	AMS 5658 - AMS 5862	✓		✓	✓		✓	
Custom455® - 1.4543 - S45500	AMS 5617	✓		✓	✓			
Custom465® - 1.4614 - S46500	AMS 5936	✓		✓	✓			
A286 - 1.4980 - S66286	AMS 5731 - AMS 5732	✓		✓	✓			✓
Metallic matrix composites								
SupremEX® 225XE <small>NEW</small>		✓			✓			
SupremEX® 620XF <small>NEW</small>		✓			✓			
SupremEX® 640XA <small>NEW</small>		✓			✓			
Supplier of metallic powders for additive manufacturing (3D)								
TiAl6V4 - Grade 5							✓	
INCONEL 718							✓	
INCONEL 625							✓	
MARAGING 300							✓	
15-5PH							✓	
AlSi10Mg							✓	

## Services - High value

Stainless combines the performance and quality of its materials with recognised logistical expertise to provide a sustainable response to the most innovating markets' global technological challenges.

As a true partner of the world's leading manufacturers, we bring our added value to our industrial customers by Processing these materials using our wide range of technologies and processes



### CUSTOMIZED STOCK MANAGEMENT

Consignment stock dedicated stock with delivery on request.

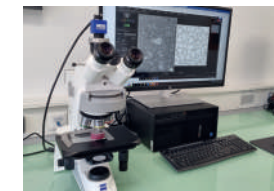


### SAWING

Sawing of blocks, bars, tubes  
CNC multi-bars/tubes sawing centre for aerospace and industry



### CHAMFERING / ENGRAVING / GRINDING



### METALLURGICAL ANALYSIS LABORATORY

A new 40m² expertise laboratory equipped with a wide range of equipment to support all customers in their new developments



### CONSULTING METALLURGIC TRAINING INSTITUTE