

AT A GLANCE



PTS

PTS GmbH was founded in 2006 in Waldstetten near Stuttgart and is now a reliable partner for the development and production of high-performance aerospace components. Our services span design, manufacturing, and testing – using cutting-edge technology and short decision-making paths.

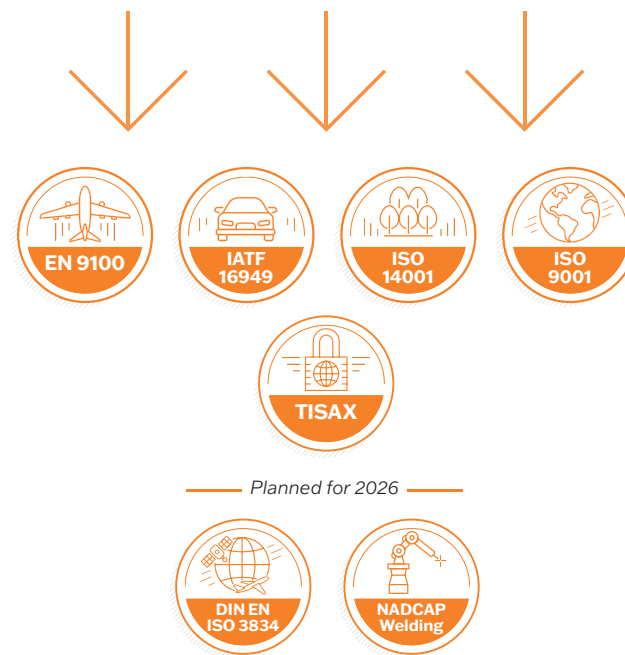
We manufacture media-carrying systems such as piping assemblies and exhaust components that meet the highest standards in safety, weight, and quality. Precision, flexibility, and customer focus define our approach – from development to series production.

We supply for:

- Aerospace, marine, and rail vehicles
- Passenger cars (including motorsports)
- Commercial vehicles / On- & Off-Highway
- Construction and agricultural machinery

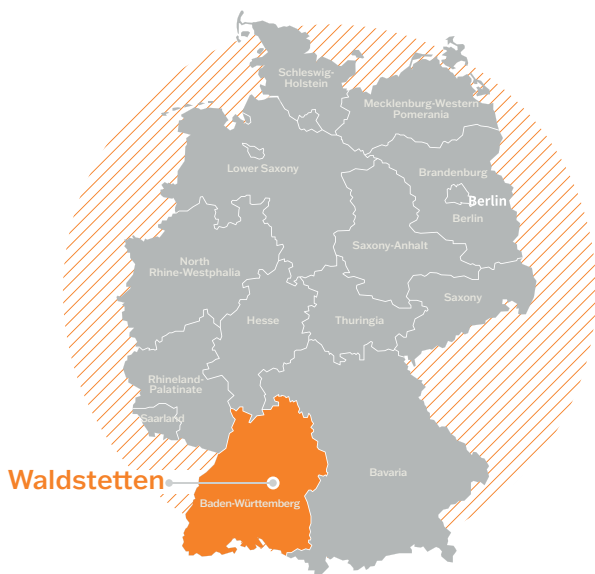
CERTIFICATIONS

At PTS, quality is not just a promise – it is a certified standard. We operate in accordance with internationally recognized regulations and have our processes audited on a regular basis.



OUR LOCATION:

- Production area: **10,300 m²**
- Logistics center: **4,000 m²**
- Small and large-scale production: **from 1 to over 100,000 units per year**
- Extensive raw material stock with a variety of materials and dimensions
- Number of employees: approx. **170**



EXPERTISE IN AVIATION

With EN9100 certification and the planned NADCAP accreditation for welding processes, PTS establishes a foundation for a sustainable and future-proof position in the aerospace industry.

Our focus:

- R&D, prototypes, and series production
- Media-carrying assemblies (e.g., exhaust systems)
- Development, manufacturing & testing from a single source
- Production according to specifications & drawings
- Local supply chain (predominantly EU)
- In-house production
- PPM & OTD
- Fast & flexible
- All services under one roof
- PTS already complies with the Green Deal 2050 and is carbon neutral.

MATERIALS

When selecting our materials, we rely on uncompromising quality. Stainless steel, titanium, Inconel, and aluminum are part of our standard material portfolio.



Stainless Steel

Robust, durable & welding-friendly

Inconel®

Heat-resistant & ideal for exhaust systems

Titanium

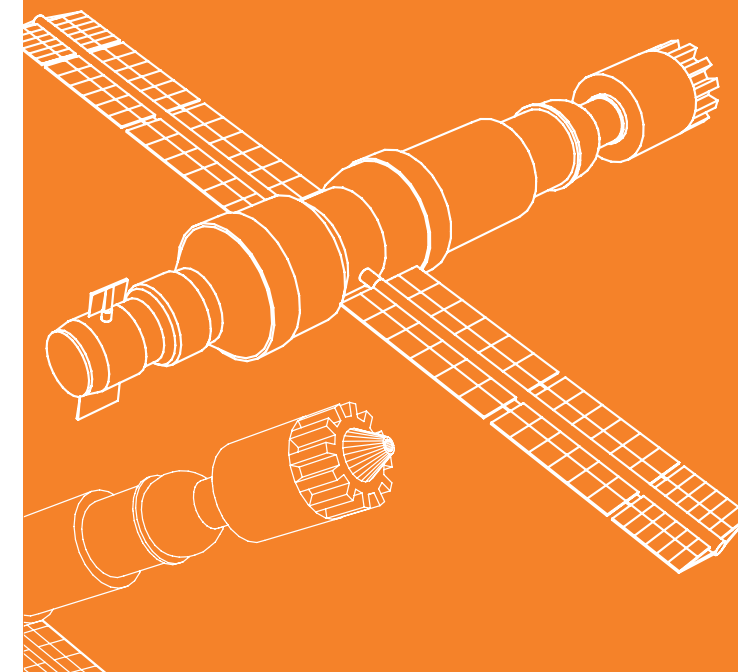
Lightweight, extremely corrosion-resistant

Aluminum

Light metal with versatile applications



PTS Prototypenteile und
System Technik GmbH
Bettinger Str. 42
73550 Waldstetten – Germany
www.pts-systemtechnik.de
Tel.: +49 7171 10421-0
sales@pts-systemtechnik.de



**FORMING WHAT
MOVES THE WORLD**

APPLI- CATION AREAS

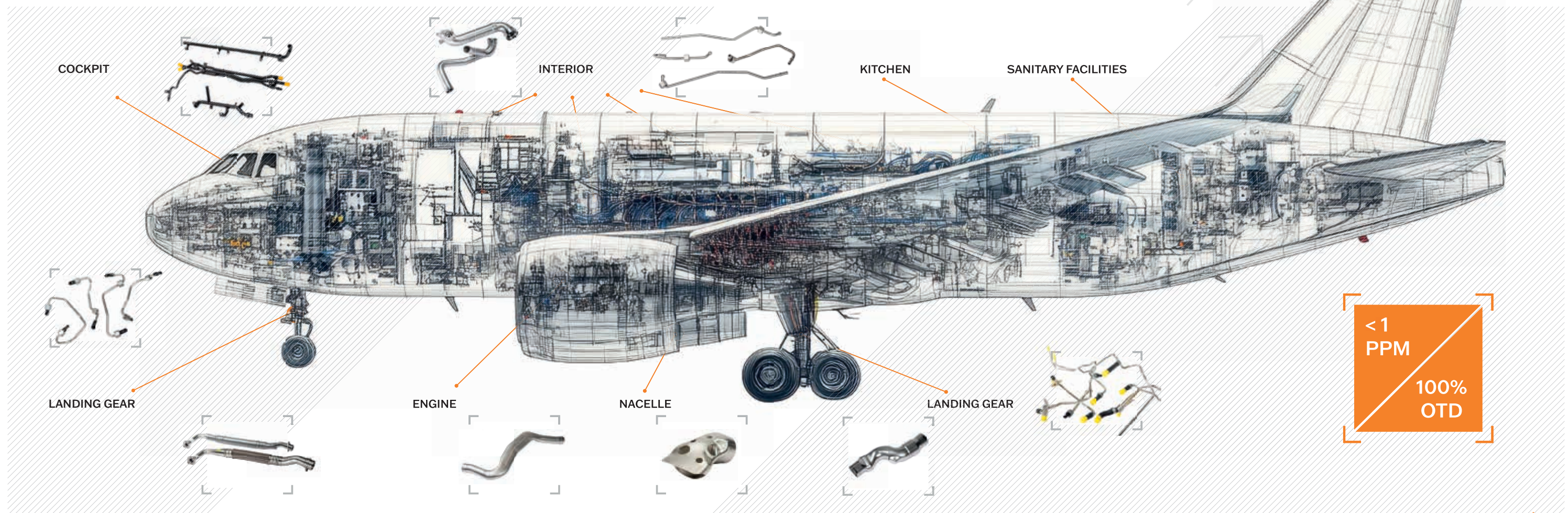
TUBE PROCESSING & BENDING TECHNOLOGY

We are experts in precise tube bending. Tube diameters from **6 mm to 150 mm** can be bent efficiently and tailored to the specific material. Thanks to state-of-the-art **bending simulation**, complex tube geometries can be **visualized, analyzed, and optimized in advance**.

- Bending radius: 0.8 x tube diameter
- Short cycle and setup times
- "Tangent Boost" function supports resource-efficient usage
- Right-/left-hand bending up to a diameter of 40 mm

IN-HOUSE MANUFACTURING PROCESSES:

-  Bending
-  Hydroforming
-  2D/3D Laser Cutting
-  Welding:
TIG, MIG, MAG, Laser, Orbital
-  Inductive Brazing/Annealing
-  Insulation



HYDROFORMING

Hydroforming – is a manufacturing process used in metalworking, in which tubes or hollow bodies are shaped into a desired form using a high-pressure fluid. During this process, the material is formed within a tool.

-  Complex geometries achievable
-  Weight-optimized components
-  Design freedom
-  High quality

CAD



SIMULATION



PRODUCT

