



CPTECH – AT A GLANCE



CP Tech GmbH is an established specialist in **lightweight high-performance components and solutions** – your versatile service partner from concept to integration.

- **Component & system supplier**
full project ownership from conception and development through manufacturing, testing & validation to integration
- **Integrated lightweight system solutions**
high-load structural components engineered for maximum performance, safety and efficiency in demanding environments
- **Committed to sustainability**
weight reduction by design and active carbon footprint tracking across the full product lifecycle

CERTIFICATION

EN 9100	Aerospace
DIN EN ISO 3834-2	Welding
NADCAP Welding & NDT	Aviation Special Processes Planned 2027
DIN EN ISO 45001	Health and Safety Management
DIN EN ISO 14001	Environmental Management
DIN EN ISO 50001	Energy Management
TISAX	Information Security



Present worldwide.
REACHABLE PERSONALLY.

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Engineered to fly.
TRUSTED TO PERFORM.

Everything available from one source:

CONCEPTION > DEVELOPMENT & SIMULATION
MANUFACTURING > ASSEMBLY
TESTING & VALIDATION > INTEGRATION



Material Trade

CPDUR® – SUSTAINABILITY & STRENGTH MATERIALIZED

Fields of application: Aerospace · Defence · Urban Air Mobility · Automotive · Motorsports · Future Mobility

- Available as tubes, sheet metal, welding rods, round / square material and flat steel
- Reduced material usage through superior strength-to-weight ratio
- Sustainable design with materials offering up to 70% reduced CO₂ footprint
- Qualified for aerospace standards – traceable, reliable, and ready to fly

PORTFOLIO

CPDUR® 500	1.7218 and 25CrMo4
CPDUR® 1000	1.7734 and 15CDV6
CPDUR® 2000	41SiCrNbB8-4

Materials

- Steel (CPDUR®)
- Titanium (Gr. 5 / 9 / 23)
- Inconel (625 / 718)
- Stainless Steel
- Aluminium (60XX / 70XX)
- CFRP / Ti Hybrids

EXCELLENT MECHANICAL PROPERTIES OF CPDUR® 1000

- 1.7734 / 15CDV6 – high strength, excellent welding properties in all conditions (.4/.5), no subsequent heat treatment required
- Very strong heat-affected zone of the welded joint without additional hardening
- Tubes demagnetised up to a residual field intensity of max. 12 A/cm



Complete Service Provider TAKE WHAT YOU NEED

CONCEPTION

DEVELOPMENT & SIMULATION

- CAD
- FEM
- CFD
- Carbon Footprint Calculator for your PCF

MANUFACTURING

- Turning, Milling & High Precision Grinding
- Sink & Wire Eroding
- Welding (TIG/MIG/MAG)
- Laser Cutting & Bending (Sheets & Tubes)
- Heat Treatment
- Manufacturing Routes:
 - From Solid
 - Casting
 - Forging
 - Printing
 - Flowforming
 - CFRP

ASSEMBLY

- System assembly
- EOL check
- ASSEMBLY FRIEND Software by UNITY AG (CAD-assisted)

TESTING & VALIDATION

- NDT
- Static & Dynamic Testing
- Enviromental Testing
- Custom Test Rigs

INTEGRATION

