

## CPDUR® - LIGHTNESS & STRENGTH MATERIALIZED

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

- Additionally available: sheet metal, weldings rods, round / square material, flat steel
- High-strength aviation steels for innovative lightweight products



### PORTFOLIO

CPDUR® 500 (1.7218 and 25CrMo4)

CPDUR® 1000 (1.7734 and 15CDV6)

CPDUR® 2000 (41SiCrNbB8-4)

## EXCELLENT MECHANICAL PROPERTIES OF CPDUR® 1000

- High yield strength and excellent welding properties
- Can be welded in both conditions (.4/.5).
- No subsequent heat treatment needed
- Very strong around the welded joint without additional hardening
- Tubes are demagnetised up to a residual field intensity of max. 12 A/cm



## YOUR KEY CONTACTS



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## LEARN MORE ABOUT US



[instagram.com/team\\_cpotech](https://www.instagram.com/team_cpotech)



[linkedin.com/company/cptechgmbh](https://www.linkedin.com/company/cptechgmbh)



Automotive meets aviation



### CP Tech GmbH

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### Everything available from one source:

Development  
Material  
Manufacturing  
Assembly

### Markets:

Aerospace  
Automotive  
Urban Air Mobility  
Motorsports  
Future Mobility

## CP TECH - AT A GLANCE



Büren (Germany)  
Directly at the Airport Paderborn-Lippstadt



CP Tech GmbH is an established specialist in **lightweight high performance components and solutions.**

We provide engineering services in four **core business fields, namely Aerospace, Motorsports, Automotive and Future Mobility.**

These services include the **complete package** from development, engineering and simulation over manufacturing and testing up to prototyping and small series production.

The range of products consists of suspension components, bodywork structures, driveshafts and more. All parts are geared towards **withstanding high loads and providing long-term durability.**

### CERTIFICATION

- EN 9100 / AS 9100D (QM System Aviation)
- EN 9120 (Aerospace)
- DIN EN ISO 3834-2 (Welding)
- DIN EN ISO 45001 (Health and Safety Management)
- DIN EN ISO 14001 (Environmental Management)
- DIN EN ISO 50001 (Energy Management)
- TISAX (Information Security)



### COMPLETE SERVICE PROVIDER - TAKE WHAT YOU NEED

Conception · Development & Simulation ·  
Manufacturing · Assembly ·  
Testing & Validation · Integration

#### Development

CAD · FEM · CFD

#### Manufacturing and Machinery

Welding (TIG/MIG/MAG) · Turning · Milling ·  
High Precision Grinding · Sinker & Wire Eroding ·  
Laser Cutting · Bending · Heat Treatment ·  
Sheet Metal Service · Material Trade

#### Materials

Titanium · Inconel · Steel [CPDUR®] ·  
Stainless Steel · Aluminium

#### Testing

NDT · Static and dynamic component and system  
testing



**EVERYTHING AVAILABLE FROM ONE SOURCE:**  
Development · Material · Manufacturing · Assembly



### CUSTOMIZE YOUR PACKAGE

We follow the “take what you need” approach. Often our customers need very specific support along the value chain – prototype production, development support or testing services. **From development up to small series production. You decide!**