

Technology x Enthusiasm = Performance

Development - Component Design

PTS-Prüftechnik GmbH is internationally active in the fields of vehicle development, testing, engineering and consulting with more than 200 employees. At its headquarters in Waldstetten near Schwäbisch Gmünd, the company has 3 locations, further branches are located in Remshalden, Fellbach, Kreut near Ingolstadt and Wolfsburg.

The company is divided into seven business segments:

- Engineering
- Testing on test rigs
- Simulation
- Cooling circuit development
- Vehicle testing
- Vehicle technology
- Test bench technology

PTS-Prüftechnik GmbH

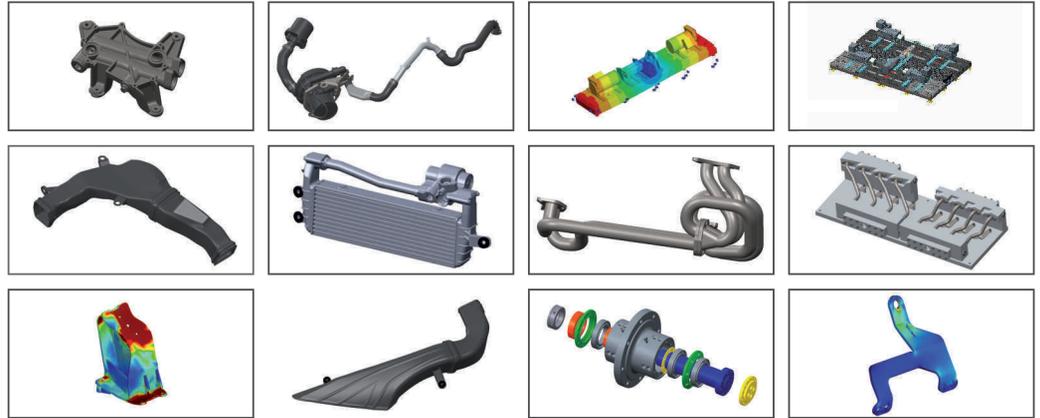
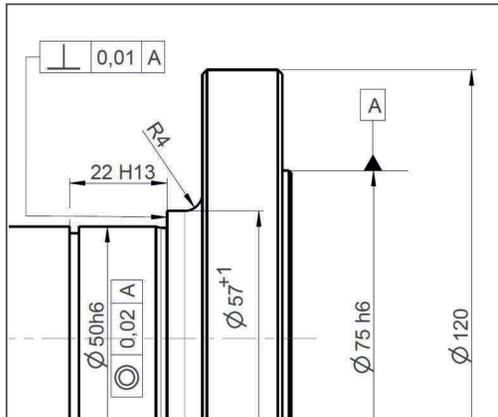
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Construction

Engine technology

With our experienced and motivated CAD team, we implement all steps in the design and development of engine components and their peripherals, from the initial concept idea to the prototype through to series maturity.

We develop and design cylinder crankcases, oil pan top/bottom parts, sealing flanges, dry sump oil tanks, exhaust systems, AKF systems, SCR systems, fuel systems, vacuum systems, raw air sections, charge air sections, Demonstrator engines, DMU / package tests and much more.

We accompany our customers through all development steps in order to achieve the best result in terms of costs and deadlines.

Automotive engineering

In close cooperation with our prototype construction department, we design and develop exhaust systems and engine peripheral components such as radiators, heat exchangers and media-carrying components for racing and production vehicles. The development and assembly of prototype engines are just as much a part of our expertise as the assembly of complete vehicles in small series. For this purpose, all relevant components are newly developed in CAD or serial parts are modified if required. With our 3D printer, we can provide initial sample parts at an early stage of development.

Machine and fixture construction

Due to our competence in the development and construction of test rigs, machine and fixture construction is another service area that rounds off our portfolio. Together with our customers, we design and develop complex fixtures, automated test rigs and facilities. We support and advise you with our technical expertise and prepare comprehensive technical documentation including CE marking.

CAD-Software

- Creo 2
- NX10

> We process all common CAD-formats.

FEM Calculation

- Creo Simulate

Exchange of data

- ENX ■ SWAN
- KVS ■ FTP-Server

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