

Pankl Engine Systems



Pankl Engine Systems
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ENGINE SYSTEMS

Driven by Performance

Pankl Engine Systems is a global player in the challenging markets of motor sports and exclusive high performance vehicles, specialising in developing, designing, manufacturing and testing of crank mechanisms, pistons, pins, connecting rods and crankshafts.

The racing business faces challenges every day and our team meets these challenges with enthusiasm and passion.

Pankl is known and appreciated for its competencies in design, development and manufacturing of lightweight engine components that are designed to operate under extreme conditions. Our strength lies in the offer of a comprehensive package comprising of sophisticated products and extensive support. In-house R&D, engineering, production, and testing departments are available for the development of speciality products.



DESIGN /
ENGINEERING

PRODUCTS

TESTING / RESEARCH /
DEVELOPMENT



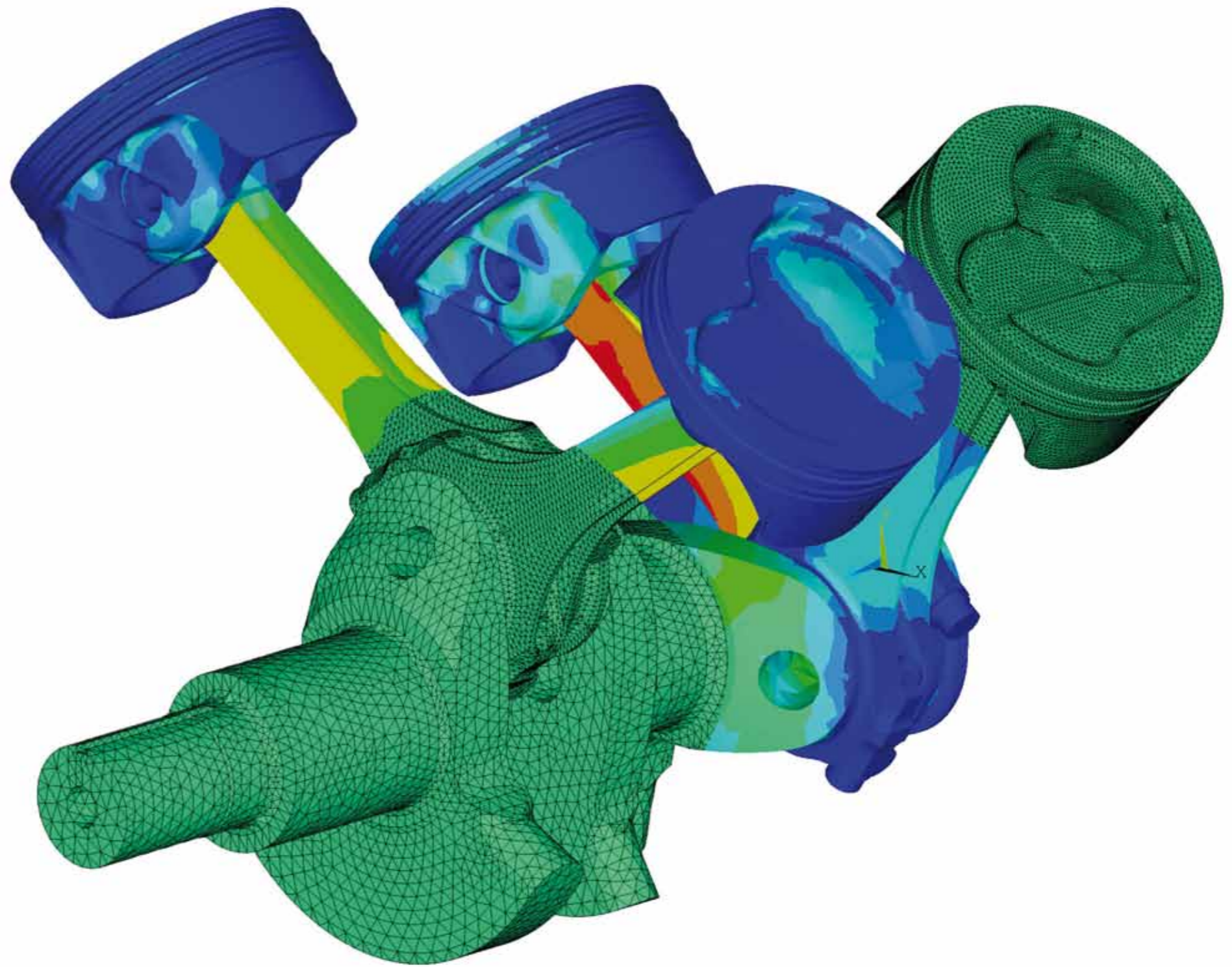


ENGINEERING / DESIGN

Leading Intelligence

Pankl Engine Systems specialises in connecting rods, piston assemblies and crankshafts, all available as single components or as complete systems. The engineering of every component occurs in-house, from the first sketch to the FEA of the whole system.

Pankl's technical expertise is based on a strong team of engineers and many years of experience. An essential part of the design team is the Finite Element computation department. Internally developed methods are used for the precise analysis of all components. Our Engineering Center allows for an optimal adjustment of all components of the crank mechanism. After completing the entire engineering loop, an ideal match of the components is certain and guarantees the engine's highest possible reliability and performance.



pankl
RACING



PRODUCTS

Technical Superiority

Racing connecting rods are made of high strength steel and titanium alloys developed at Pankl Engine Systems. Apart from these alloys, other materials are also engineered, tested and manufactured for a wide range of racing series including two and four wheeled vehicles, on race tracks or off-road, as well as boats.

Along with the connecting rod assemblies (including bolts), top quality piston assemblies are developed, tested and manufactured for a wide range of racing series at Pankl Engine Systems. Production occurs completely in-house, from forging to the coating of pistons.

For exclusive high-performance vehicles – cars and motorbikes – Pankl develops, tests and manufactures pistons and connecting rods made of various alloys. An additional focus is on the aftermarket, where Pankl can help improve everyone's competitive edge with its products.



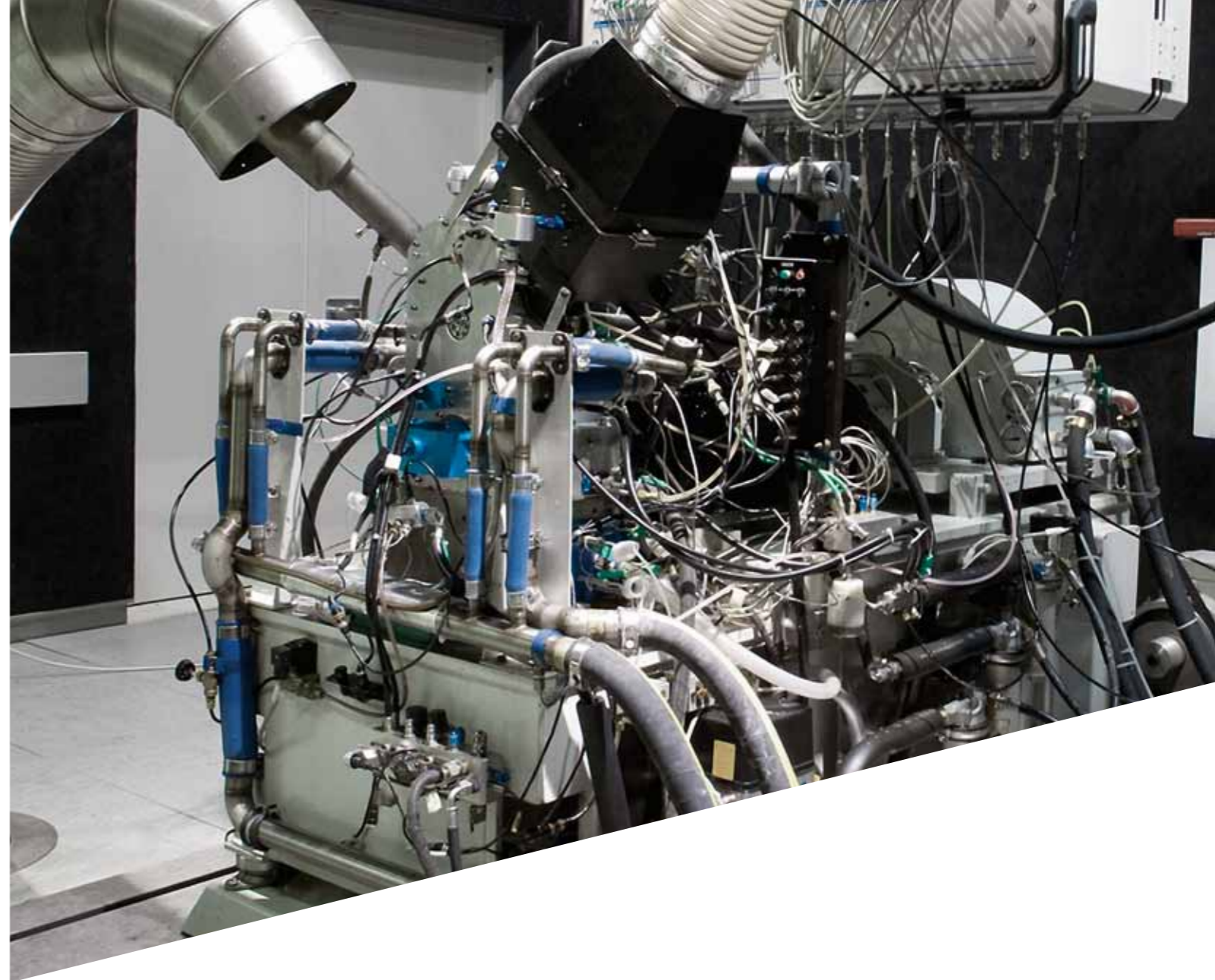
pankl
RACING

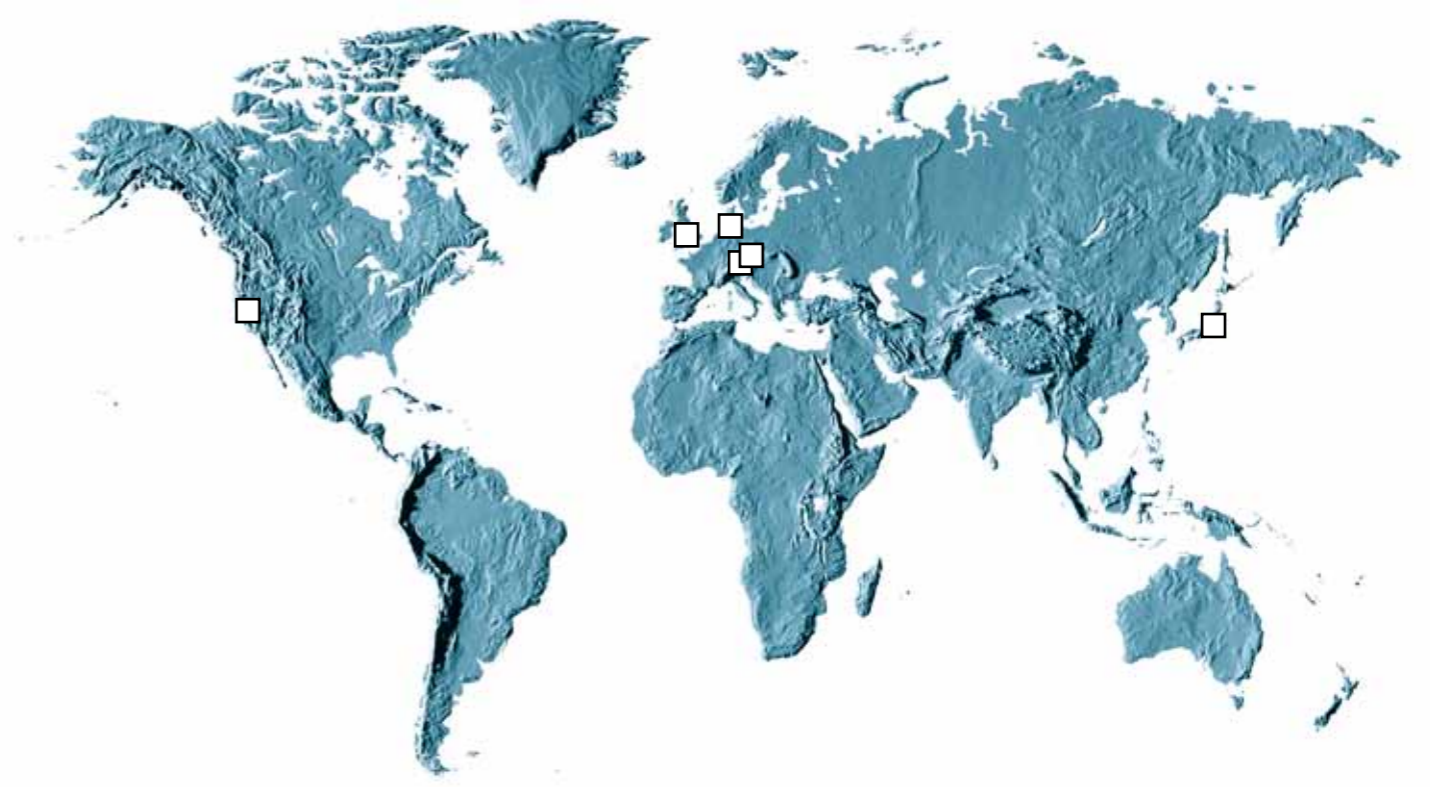
TESTING / DEVELOPMENT

Reinventing Precision

Various testing facilities such as high-frequency pulsing machines and engine test benches are available. A large emphasis is also placed on the development of new materials, for which modern equipment such as a SEM, a stereo microscope, a tensile test rig and a rotating/bending test rig are used. Pankl Engine Systems is equipped with a state-of-the-art machining area where materials are machined to the highest quality.

From the beginning of every project through the continual product development process, all customer requests related the project are handled by a single technical sales representative, who in turn is supported by a team of experts. This arrangement provides for the direct and therefore simplified handling of all projects while guaranteeing the full support of the experts.





PANKL RACING

PANKL HIGH PERFORMANCE

PANKL AEROSPACE

ENGINE



Pankl Engine Systems specialises in developing, designing, manufacturing and testing crank mechanisms, pistons, pins, conrods and crankshafts for racing engines.

engine@pankl.com

DRIVETRAIN



Pankl Drivetrain Systems specialises in developing, designing, manufacturing and testing drivetrain components and offers its customers complete drivetrain and suspension systems.

drivetrain@pankl.com

HIGH PERFORMANCE



Pankl develops and manufactures drivetrain and engine components for exclusive vehicles, engine parts for the aftermarket as well as high performance aluminium forged parts.

highperformance@pankl.com

AEROSPACE



Pankl Aerospace serves the global aerospace market as a Tier One Supplier for drivetrain components, refuelling tubes and landing gear components for helicopters and fixed wing aircraft.

aerospace@pankl.com

PANKL WORLDWIDE
World of Perfection

Pankl Racing Systems, based in Bruck/Mur, Austria, specialises in developing and manufacturing engine and drivetrain components for racing cars, high performance vehicles and the aerospace industry. Pankl scores with lightweight components made from high-grade innovative materials designed to withstand extreme mechanical stress. Pankl is a global niche player with worldwide subsidiaries in Austria, Germany, UK, USA, Slovakia and Japan.

