PFERD tools for the aerospace and gas turbine industry

- Over 200 years of experience in the production of individual tooling solutions
- Competent and targeted advice by experienced key account managers
- The highest possible economic value thanks to innovative solutions
Workers all over the world trust Blue and choose PFERD.

The combination of individual support and innovative high-performance tools with the skills of on-site users always guarantees the optimum result for every task.

Visit our website for information about our innovative products and services.
August Rüggeberg GmbH & Co. KG, Marienheide/Germany, develops, produces and markets tools for surface finishing and cutting materials under the brand name PFERD.

In keeping with a tradition that dates back more than 200 years, PFERD operates as an independent, internationally oriented family-owned company in the long term. PFERD tools offer the user maximum benefit and cost-effectiveness.

Its unlimited commitment to premium quality, its reliability as a supplier, and its responsible use of resources all make PFERD a dependable and reliable trading partner that operates with sustainability in mind.

All those involved in PFERD play their part in securing PFERD’s position as an internationally valued premium brand. Thanks to their personal involvement, people across the whole world trust Blue and choose PFERD.

The most important tool from PFERD: The Tool Manual

With more than 7,500 innovative solutions for surface processing and cutting materials.


PFERDVALUE® – Your added value with PFERD

Results from the PFERD test laboratories as well as from the product tests by independent testing institutes prove: PFERD tools offer measurable added value.

Discover PFERDERGONOMICS® and PFERDEFFICIENCY®:

As part of PFERDERGONOMICS®, PFERD offers ergonomically optimized tools and tool drives that contribute to greater safety and working comfort, and thus to health protection.

As part of PFERDEFFICIENCY®, PFERD offers innovative, high-performance tool solutions and tool drives with outstanding added value.

For more information on this topic, please refer to our brochure “PFERDVALUE – Your added value with PFERD”.

PFERDVIDEO

You will receive more information on the PFERD brand here or at www.pferd.com

PFERDMobileMedia

www.pferd.com/mobilemedia

Available on the
App Store

Get it on
Google play
PFERD tools for the aerospace and gas turbine industry

General information

Today, the world’s airlines convey nearly a billion passengers – year in, year out. The aerospace and gas turbine industry combines a high level of innovation with demanding technology, which then finds applications in many other industrial sectors. Electronics, robotics, measurement, material and control technology, mobile networks, navigation systems in cars, live broadcasts of sporting and political events, global video conferencing and global environment and climate research would all be impossible without the pioneering efforts of this industry.

Perfection and maximum possible safety are the measure of all things in the aerospace and gas turbine industry. Quality and durability are the first priority – without compromise and for each individual component. The precision and uniformity of all processing steps is as important as careful control during machining processes for the special materials used in the manufacturing process.

The processing and precise knowledge of the specific wear and performance characteristics of the materials used are a challenge for every supplier and are essential for the manufacture and maintenance of aircraft, engines, gas turbines and their components. PFERD tools meet the high requirements of the materials to be worked and of the different machining processes. In addition, for individual and very often difficult machining tasks, special tool variants are developed in collaboration with the aerospace and gas turbine industry.

Our commitment to safety and service

PFERD’s high quality standards are the foundation for innovative, high-performance products. Research and development, our own machine and plant construction, as well as the continuous testing and further development of the quality and safety standards in our own laboratories guarantee high PFERD quality.

In addition to the high quality standards, occupational safety and health as well as ergonomics play a prominent role. PFERD quality management is certified according to ISO 9001.

As a long-standing member of the “Organisation for the Safety of Abrasives (oSa)”, PFERD offers the highest possible levels of safety for the user by constantly monitoring manufacturing, along with standard-compliant production and labelling of all products, in all PFERD production facilities worldwide.
As a tool manufacturer with over 200 years of experience, PFERD enjoys a comprehensive know-how in the manufacture of tooling solutions. The findings from our internal research and development, as well as from day-to-day practice on site with our customers, contribute to the development of each individual PFERD tool.

Our production plant in Marienheide works with state-of-the-art technology and there are many ways in which we can respond to individual needs.

If you cannot find the solution for your particular application in our comprehensive product range, we are happy to produce tools in premium PFERD quality to meet your wishes and requirements.

Our sales representatives, technical advisors and key account managers will be happy to assist you in the analysis of your tasks. Your specifications and wishes can thus be taken into account.

1. Process analysis and tool development
Make an appointment with our experienced sales representatives, technical advisors or key account managers.
Our employees will analyze your application with you on-site and develop the most economic individual tooling solution for you! You will then receive a quote.

PFERD WEB
You can find an overview of all PFERD subsidiaries and trading partner representatives here or at www.pferd.com

2. Production
Our production teams subsequently create a technical drawing, with the help of which your made-to-order product will be produced.
Each tool is supplied in premium PFERD quality. From the inspection of raw materials, through inspections during the course of production by our staff, up to the final optical inspection of each individual tool, we always work to the highest standards.
The quality of PFERD tools is certified according to ISO 9001.

3. Use
Our flexible production and global logistics network ensure that you receive your new tool on time. If you have any further questions relating to the optimization of your applications or to the improvement of the working environment, our sales representatives will be happy to help.

Convince yourself of quality, performance and economic value of PFERD tools.

Examples of PFERD tools made according to customer requirements
PFERD tools for the aerospace and gas turbine industry

Applications and materials

PFERD tools are used in the manufacture and maintenance, repair and overhaul (MRO) of civil and military aircraft, jet engines, gas turbines and their components, serving in diverse processes such as cutting, grinding, milling, filing, brushing, polishing as well as cleaning, deburring and producing defined surface finishes.

Grinding radii on inner edges with POLICAP® abrasive caps, type A, CO-COOL and SiC-COOL.

PFERD VIDEO
You will receive more information here or at www.pferd.com

Surface finishing of a diffuser with POLINOX® cross buffs PNST and conical tungsten carbide burrs with radius end.

Diamond needle files are suitable, for example, for work on cooling holes.
Deburring work on a rotor with wheel brushes of type SiC.

Cleaning and machining slots with a diamond grinding point.

Work on various surfaces with COMBIDISC® abrasive discs with ceramic oxide grain CO-COOL.

Work with a specially manufactured tungsten carbide burr.

Removal of coatings with a COMBIDISC® diamond abrasive disc.