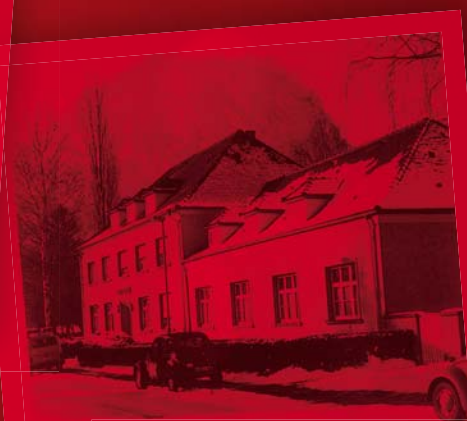


English Version

dental dialogue

2025
Das Fachjournal für
die Zahntechnik

100
years making work easy





Making life easier in the lab – yesterday, today, and tomorrow

Renfert turns 100: Stories of people and new directions

“Reliable”, “indestructible”, “makes work easier” – for generations, dental technicians around the world have associated the name Renfert with quality and the search for solutions. Behind this legacy a story full of drive and ideas has revolutionized everyday dental technology. A story that began in 1925 and continues to this day – shaped by decades of trust from customers in dental laboratories and dental offices. On our anniversary, we take a look back at the Renfert innovations that have shaped laboratory routines.

There are moments in everyday laboratory work that every dental technician is familiar with: the super glue that is always at hand when you need it, the suction unit that has served you faithfully for years, or the favorite brush for ceramic layering that you don't want to part with. There is usually a great story behind these “little helpers” – and often a Renfert product.

Four generations, one vision

What began in 1925 as a family business in a small workshop in Essen/Germany, now shapes the daily work of dental technicians worldwide. The history of Renfert is above all the history of people who, with passion and foresight, understood what dental laboratories really needed. The new beginning after the Second

World War in Singen/Germany, on Lake Constance laid the foundation for today's innovative strength. The legendary “Tripla” spot welder and soldering unit was a product that soon became synonymous with quality and durability. When Ernst Renfert was looking for a successor at the end of the 1960s, he found in Klaus-Ulfert Rieger not only an experienced dental specialist, but also an entrepreneur with vision. Rie-

ger recognized that dental technology needed more than just robust tools – it needed innovations that really made everyday work easier. In the 1980s, his son, Sören Rieger, brought additional momentum to product development. Under his leadership, and thanks to his close involvement in development, Renfert became one of the leading manufacturers of “small appliances” for everyday laboratory work. Both relied on close cooperation with dental technicians and the expansion of international business. Since 2015, Sören Hug has been leading the company into the digital age with a new dynamic – always following the basic idea of the founding period: to make work easier in dental laboratories and dental offices.

Courage, doers and milestones

“Actually, we just wanted to improve the working conditions in dental laboratories”, explains a former Renfert developer, recalling the beginnings of the SILENT suction

units. This modest statement is a perfect example of Renfert’s philosophy: not just to modify existing products, but to understand what is really needed in the laboratory every day. Whether it’s a suction unit, a super glue or a sandblaster – the best solutions are often developed in dialogue with users. When the first Renfert super glue was launched in the 1970s, it was the result of an intensive collaboration with dental technicians. They needed a quick and effective adhesive. Article number 1733 soon became synonymous with reliable bonding technology. Such practical developments weave a consistent thread through the company’s history. The suction technology that continues to set the standard today was also the result of countless development tests.

Suction units

One of the things that often disturbs dental technicians is the noise of traditional suction systems. “When we developed the first SILENT suction unit in 2005, we

wanted to prove that it could be done differently,” recalls a Renfert developer. The result of this vision still shapes the SILENT family today. The name says it all: all units are compact and combine powerful suction with ultra-silent operation. A specially developed motor management system with automatic filter cleaning extends the service life; even the operation has been optimized together with the users. From small to large: Renfert has the right unit for each milling machine. For milling machines that produce large quantities of dust, Renfert has also developed special suction units that can be integrated into the digital workflow.

At the IDS 2025: Renfert goes one step further in its anniversary year. The SILENT XS presented at the IDS 2025 Show is the first fully mobile, battery-powered suction unit for dental offices and in-house laboratories. It combines SILENT technology with an H13 HEPA filter and integrated LED lighting. This com-

The company is founded by the brothers Ernst and Herbert Renfert as “F. Renfert & Co” in Essen, Germany.



The first Renfert catalog is published.

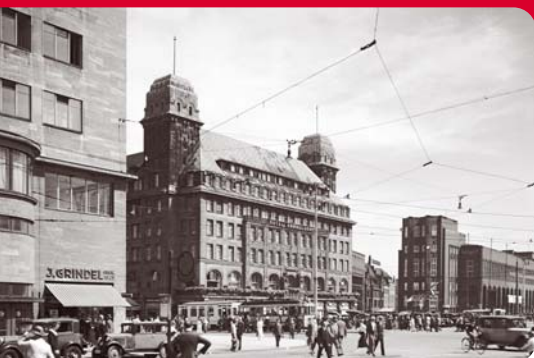
Klaus-Ulfert Rieger takes over the company from Ernst Renfert.

1925

1940

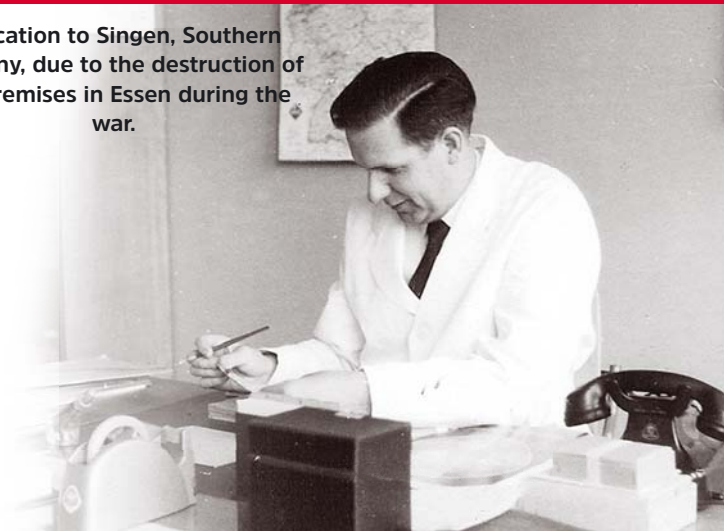
1969

1944



© Anton Meinholz/Photoarchiv Ruhr Museum

Relocation to Singen, Southern Germany, due to the destruction of the premises in Essen during the war.



compact suction unit brings professional suction technology to where it is needed.

Sandblasters

Sandblasters have always been indispensable in dental laboratories. Renfert was a pioneer in this field and led sandblasting into the future with innovative developments. As early as 1969, Renfert made history in the field of sandblasting units with the "JETBOX", the forerunner of the successful Basic family. In the 1980s, the company revolutionized sandblasting technology: dental technicians worldwide were fed up with fluctuating blasting performance, where the blasting pressure varied depending on the fill level of the tank. The solution was found by a dental technician on the development team: the mixing chamber system with sand removal at the bottom has since ensured constant performance – regardless of the filling level.

Renfert also rethought the ergonomics of the sandblasting units. Instead of the usual "boxes" with lateral hand inlets, the

team developed a housing shape that supports natural movements and allows fatigue-free working. These innovations continue to shape the Renfert sandblasting range to this day. The Basic quattro IS combines proven technology with features such as LED lighting and 'IS' immediate stop technology for sandblasting without an afterflow of abrasive – and development in this area continues... more to come in the summer of 2025!

Model trimmers

The robust Renfert trimmers are part of the basic equipment in laboratories. What began in 1991 with the MT1 has become the benchmark for precise trimming. In line with the typical Renfert principle of "always thinking one step ahead", the MT3 and MT3 pro models launched in 2011 demonstrate how sophisticated a seemingly simple unit can be: The generously dimensioned worktop allows fatigue-free working, the splash guard can be removed in seconds and the water supply can be precisely regulated. Today, Renfert of-

fers the right trimmer for every need – from entry-level to high-end models.

Porcelain brushes

Almost every dental technician has one – the one brush that they cherish, care for, are reluctant to lend and even miss when they leave the lab. Renfert recognized this special bond with a favorite brush early on. For more than 40 years, the company has been developing brushes tailored to dental technology. The Kolinsky and Genius series have become worldwide classics. The lay:art series is Renfert's response to the demand for modern, high-end premium brushes. With features such as roll-away protection and replaceable tips, Renfert brushes make work noticeably easier – true to the motto of making work easy. Renfert opens a new chapter with the evo family: Bionic hair technology combines the advantages of natural and synthetic hair. The newly developed fiber ensures perfect elasticity, optimal moisture management and significantly longer durability. Doing without natural hair con-



1974

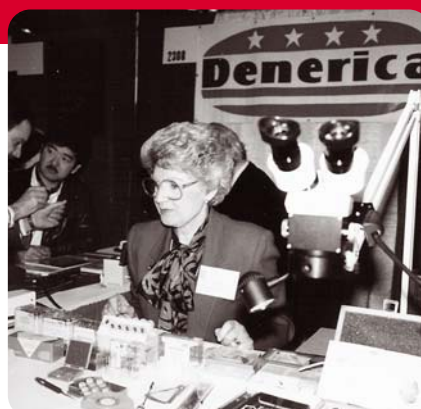
Introduction of the new logo, known as the "Renfert plum".

The first logo from 1947



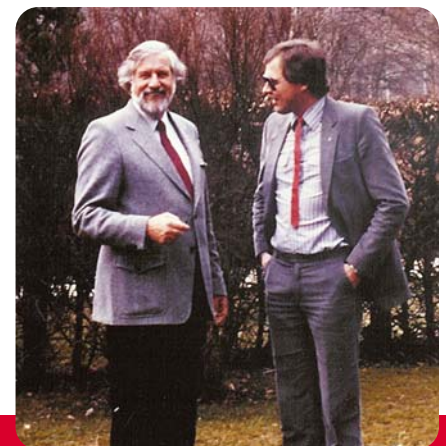
The subsidiary Denerica is founded in the USA, later renamed "Renfert USA".

1976



1982

Sören Rieger joins the company.



serves resources and sets a contemporary example for the conservation of endangered species.

Work light

Dental work requires optimal visibility. LIGHT 1, which was launched in 2024, was developed in collaboration with scientists in the field of light optics with the aim of meeting the high demands of dental technology. Modern LEDs and a newly designed optical system provide homogeneous, glare-free illumination of the working area. The combination of diffuse and directional light maximizes perspective vision. Various light modes can be used to adapt the lighting to the working situation – from determining tooth color in daylight mode to working with light-curing materials in blue-light reduced mode.

At the IDS 2025: What LIGHT 1 can do will be demonstrated at the IDS fair by master dental technician Klaus Mütterthies with his legendary art of drawing and

master dental technician Sascha Hein with expert tips on shade determination.

3D dental filament printing

Renfert also focuses on user-friendliness in digital production. With the SIMPLEX 3D filament printer system, the company is going its own way. With SIMPLEX, filament printing is establishing itself in the laboratory as a complement to resin printing and enables orthodontists and dental offices an easy entry into additive manufacturing. The advantages are convincing: no chemicals, no time-consuming post-processing and, for many applications, the use of sustainable, biologically harmless materials.

At the IDS 2025: In its anniversary year, Renfert is presenting the new generation of the SIMPLEX system at the trade fair. In addition to the printer developed on Lake Constance, which has been specially designed for dental applications, Renfert will also be presenting new Class I and Class II materials for filament printing.

Service makes the difference

An often-overlooked yet key part of the Renfert philosophy is its unwavering commitment to service. When the company introduced the 3-year warranty in 1996, it was revolutionary in the industry. **For its 100th anniversary**, Renfert is thanking its customers with a special offer: anyone who purchases and registers a Renfert unit in 2025 will receive an additional year of warranty protection instead of the standard three years.

The company is also thinking ahead in terms of digital service. The myRenfert customer portal provides access to technical documentation, maintenance instructions, tutorials, and a direct line to Renfert's multilingual service team. "We not only want to supply our customers with first-class products, but also support them in their daily work," explains Sören Hug, Renfert's Managing Director. This is also reflected on the website: almost all

The company moves to a new central headquarters building in Hilzingen.



Renfert goes online.



1988

1998

1996

2005



Introduction of the 3-year warranty on equipment, a sign of confidence in the quality and durability of the products, strengthening the confidence of end users in Renfert products.



Introduction of SILENT suction units and Twister vacuum mixing units.

technical drawings of spare parts or maintenance videos are publicly accessible.

Into the future together

“If we stop getting better, we stop being good” – this guiding principle still characterizes development at Renfert today. This can be seen in the close cooperation with users and scientists. Whether it's product testing, training or development projects, direct exchange is firmly anchored in the company's DNA. “Even though dental technology is developing rapidly,” says Sören Hug, “one thing remains the same: our standards of service, customer support, precision and quality.” Without neglecting traditional dental technology, Renfert consistently pursues the path of digitalization to shape the future of dental technology and improve the laboratory work of tomorrow. For several years, Renfert has also been carrying out research projects in cooperation with leading universities within the framework of the Central Innovation Program for SMEs (ZIM). Many Renfert units can now be projected into one's own laboratory using a

dd Worth knowing

Renfert values: „Stronger Together“

True strength is created by people combining different talents. For example, when experienced dental technicians with an eye for the customer meet visionary development engineers, when creative marketing ideas and pragmatic production experience complement each other. It is precisely this kind of co-operation that Renfert values. The company's products are designed to make the daily work of dental technicians and dentists around the world easier. The brand promise “making work easy” is deeply rooted in Renfert's DNA and is lived every day. Renfert values an open corporate culture that promotes flexibility and team spirit. Continuous improvement and the pursuit of excellence shape our daily actions. With a focus on quality, reliability and ease of use, Renfert creates solutions that optimize the workflows.

3D virtualizer. This supports users in their purchasing decisions, allowing them to explore and configure products interactively – making work in the digital dimension easier. In the end, however, it is the people who make the difference. Dental technicians who are passionate about their work. Developers who think in new

ways. And a Renfert team that works every day to simplify the daily routine in offices and laboratories and that is not afraid to think about completely new products and technologies. That was the case 100 years ago – and that will continue to be Renfert's driving force in the future.



2014

Founding of the subsidiary in Brazil.

Sören Hug becomes Managing Director. Definition of the brand identity and presentation of the “making work easy” brand.

2015



2018

Sören Hug becomes CEO.



100 years of Renfert – 100 years of innovation

2025

Launches

- Second-generation 3D printer: SIMPLEX 2 SX
- Compact, battery-powered suction unit SILENT XS
- “myRenfert” information and service portal

On display at the IDS 2025 Fair, hall 10.1, booth B010/C019



2024

Launch of LIGHT 1, Renfert's first dental worklight.

2023

Market launch of the evo brush family with Bionic Hair.



2022

Launch of the SIMPLEX 3D filament printer system and the POWER steamer steam cleaning unit.

2018

Baden-Wuerttemberg Innovation Award for the EASY view 3D, the world's first 3D video microscope for dentistry.

Expansion of the cleaning portfolio: temp:ex, a liquid to remove temporary cement.



2015

Launch of SILENT compact and SILENT compactCAM for CAM systems.



2011

Launch of the new Basic fine sandblasting units with PerfectView, the MT3 and MT3 pro trimmers.

2007

Launch of the SYMPRESS dispensing unit (mixing unit for impression materials) and entry into the dental office market.



2005

Launch of the first SILENT suction units and Twister vacuum mixing units.

1991

Market launch of the MT1 wet trimmer.

1971

Launch of Super glue, which quickly became synonymous with the name Renfert.



1969

The first sandblaster, the “JETBOX”, is launched.



1950s

Tripla spot welder and soldering unit.



1930s and 40s

Production of general dental supplies.

1925

The company was founded in Essen, Germany.

Renfert GmbH

Untere Giesswiesen 2
78247 Hilzingen
Tel. +49 7731 82080
info@renfert.com
www.renfert.com



facebook



Instagram



Website



YouTube



LinkedIn