



making work easy

# Press release

Hilzingen, Germany – November 2025

*Renfert launches the first scientifically validated fine sandblasting unit for dental offices*

## **Basic prebonder: The Art of Control**

With Basic Prebonder, Renfert introduces a scientifically validated fine sandblasting device, which is specifically designed for surface conditioning prior to the final cementation of restorations. The system was developed in close collaboration with the materials research department of the Polyclinic for Prosthetic Dentistry at Ludwig Maximilian University in Munich (Germany). The shared goal: to establish clinical standardization with regard to the previously uncontrolled step of sandblasting.

The cementation of zirconium oxide, hybrid or polymer-based restorations depends largely on proper surface preparation. Sandblasting is a critical step in this process. However, different sandblasters, imprecise pressure settings, or a lack of distance control often lead to inconsistent outcomes. Basic prebonder addresses this issue with a clearly defined system: validated sandblasting parameters, integrated quality control, and ergonomic design tailored for clinical use ensure controlled procedures and reliable results, with thoughtfully engineered application features. The Prebonder control tip ensures a precisely dosed energy transfer thanks to a consistent 10 mm working distance, while the Prebonder jet nozzle produces a homogenous sandblasting jet. The Prebonder control pad enables a quick functionality check in seconds, and the color-coded precision pressure gauge displays the validated operating range right away.

As a coordinated complement, Renfert offers the matching abrasive: Prebonder surface pro. This specially qualified 50 µm aluminum oxide (> 99.7% purity) ensures a uniform surface texture and supports reproducible sandblasting results. The Basic prebonder brings control and reliability to one of the most sensitive steps in the bonding workflow – sandblasting. Simple, safe, reproducible; true to Renfert's philosophy: making work easy.

Further information: [www.renfert.com/basic-prebonder](http://www.renfert.com/basic-prebonder)

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### **More information**

Renfert GmbH | Untere Giesswiesen 2 | 78247 Hilzingen | [www.renfert.com](http://www.renfert.com)

### **Press contact**

Alberta Domnick | Tel. +49 7731 8208 898 | E-Mail: [Alberta.Domnick@renfert.com](mailto:Alberta.Domnick@renfert.com)