



making work easy



# Basic prebonder

**NEW** Fine sandblasting unit for the dental office

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## Fine sandblasting unit for the dental office

The first scientifically validated fine sandblasting unit for clinical surface conditioning of restorations prior to final cementation. The Basic prebonder standardizes the pretreatment of zirconia, metal alloys, hybrid materials, and modern polymers, reliably preventing errors caused by insufficient sandblasting, excessive energy input, and resulting bonding failures.

Based on Renfert's proven Basic quattro IS technology, the Basic prebonder offers a practical, modular system. Flexible tank options and an ergonomic handpiece make clinical surface conditioning simple and efficient.

### Advantages

- Reliable bonding through standardized surface conditioning.
- Reproducible results thanks to validated pressure range and controlled sandblasting parameters.
- Gentle on materials due to precise energy dosing.

### Details

- Consistent energy input via the Prebonder control tip for a defined working distance.
- Uniform surface roughness through the Prebonder jet nozzle with a homogeneous spray cone.
- Scientifically validated pressure range for optimal bonding.
- Clear process control with precision manometer and marked working range.
- Even abrasive flow provided by the Renfert Venturi mixing chamber.



tool  
included



easy use



perfect  
view



The Art of Control – Basic prebonder: More than sandblasting. Pre-bonding.

### Technical data

Permissible mains voltage	220–240 V   100–120 V
Permissible mains frequency	50 / 60 Hz
Working pressure (Prebonder tank)	Fine sandblasting for bonding 0,6–1 bar // 8.7–14.5 psi   Recommended setting 0,8 bar // 11.6 psi
Working pressure (Additional tank)	Conventional fine sandblasting 1–6 bar // 14.5–87 psi
Connection pressure	6–8 bar // 87–116 psi
Volume flow (max.)	98 l/min // 3.46 cfm
Lamp power	16 W
Intensity of lighting max.	4800 lx
Number of tanks	2–4
Sandblasting chamber volume	20 l // 5.3 gal
Immediate stop function   Silicone-coated panel	yes   yes
Dimensions (WxHxD) (1–2 tank version)	395 x 320 x 510 mm
Dimensions (WxHxD) (3–4 tank version)	396 x 320 x 610 mm
Tank capacity	1000 ml // 0.26 gal
Weight (empty, 2-tanks)	~ 11,5 kg // ~ 25.3 lbs

### Ordering information

Basic prebonder and additional tank 25–70 µm, 220–240 V	No. 29691050
Basic prebonder and additional tank 25–70 µm, 100–120 V	No. 29694050
Basic prebonder and additional tank 70–250 µm, 220–240 V	No. 29691250
Basic prebonder and additional tank 70–250 µm, 100–120 V	No. 29694250
Prebonder surface pro 50 µm, 4x 500 g	No. 15970050

### Scope of delivery

1 Prebonder tank: Only for 50 µm Prebonder surface pro abrasive incl. special nozzle (jet nozzle), spacer pin / focusing aid (control tip), additional 2 bar linear pressure reducer, 4 replacement spacer pins / focusing aids (control tip), 1 test surface for monitoring the sandblasting parameters (control pad), 1 classic fine sandblasting tank 25–70 µm incl. jet nozzle 0.8 mm

