making work easy

New Products 2019

- Equipment
- Instruments
- Materials
- and more
Easy working, clear direction. Renfert products have a wide range of advantages, which users will appreciate each day for years to come. You can identify them quickly and easily with these five icons:
3 year guarantee*

All Renfert laboratory devices have a three year guarantee.* If at some point something does not function, you still have the comforting assurance that Renfert will find a solution to the problem within the guarantee. This builds trust.

*Wear parts excluded

10 year spare parts guarantee

All Renfert products are very durable. Therefore we guarantee a high availability of spare parts. Renfert guarantees that original spare parts will be available for every device, for the duration of at least ten years after purchase. This provides security.

The activity guarantee

Renfert service is outstandingly efficient. In cooperation with Renfert dealers and certified service partners worldwide, a strong, competent and passionate team is focused on minimizing possible failures in the laboratory. This ensures efficiency.
EASY view 3D—whenever magnification makes work easy

1. Support for daily processing of classically fabricated and digitally manufactured precision work
2. Reliable quality control and quality management
3. Quick and easy communication with the dental practice, patients and specialists
4. Creation of photos and video sequences

Split-screen function for parallel use of multiple images
With the split screen feature of the EASY view 3D video microscope, four different sized images can be projected on the work screen. All pictures can also be viewed in black-and-white mode, e.g. for the assessment of brightness values.

Optimum assessment of object structures in 3D mode
The EASY view 3D’s three-dimensional mode enables easy hand-eye coordination and a natural working position. Its three-dimensional spatial representation is perfect for critically examining work objects. This makes many routine tasks, like finishing and modeling, much more precise and safer. Depending on the indication, a simple mouse click lets you toggle between the 3D and 2D modes.

Work ergonomically
A dental technician’s work assumes a new dimension with the EASY view 3D: The ergonomic design enables a sustained natural and healthy posture. This enhances the users’ well-being and performance. The flexible boom arm can be adjusted to any work situation and object. The monitor has been especially developed for system compatibility and ensures sharp high-definition image reproduction. Positioned behind the object, the monitor is ergonomically located for an unobstructed view of the work object.

Quick communication and documentation
The easy-to-use and intuitive functionality of the EASY view 3D helps you document work, share data with your team as well as the dentist’s practice. Catch the monitor image by footswitch and store the screenshot on the USB flash drive or send it via LAN connection to your PC. Images and video sequences are stored in 2D mode.
Renfert’s EASY view 3D is an innovative video microscope featuring a 3D monitor, which is not only suited for viewing objects, for routine processing and quality control, but equally useful for educational, training and documentation purposes.

Advantages
- The 3D mode enables natural hand-eye coordination when performing delicate tasks.
- Parallel use of patient photos, wax-up images, etc. within the workflow with split-screen function.
- High-resolution photos and video sequences can be generated in full HD quality for documentation and communication via a network or integrated USB flash drive.

Details
- Excellent recognition of different brightness values and surface textures with the black-and-white mode in 2D and 3D.
- Fatigue-free, ergonomic work possible thanks to sustained natural, healthy posture when viewing objects on the monitor.
- Precise, safe and controlled work possible under 15x or 20x fold magnification.

More information available online
AUTO spin
Model system

Using the AUTO spin pin drill, precise working models with plastic base plates can be fabricated. The drilling unit is also compatible with other model-making systems like Giroform® or Zeiser®.

Advantages AUTO spin pin drilling unit
- Time and cost saving due to reduced use of dental plaster.
- Safe positioning and alignment in challenging impression situations due to the innovative Renfert Level Controller.
- Flexible use for almost any plate geometry due to the universal plate holder with secure double fixation.

Advantages AUTO spin system components
- AUTO spin base plates: Secure fixation and easy pin removal due to stable acrylic base plates with or without metal disc.
- AUTO spin cone pin-drill: Special cutting geometry for smooth inner surfaces and low compressive stress during drilling.
- AUTO spin cone pin: Cone pin of 14 mm in length for Renfert’s AUTO spin system, Giroform®, Zeiser® or similar systems.

Technical Data

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<thead>
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<th>Specification</th>
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Ordering information

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<td>AUTO spin cone pin-drill</td>
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<td>AUTO spin universal plate holder</td>
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<tr>
<td>AUTO spin universal impression holder</td>
<td>No. 18600700</td>
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<td>AUTO spin cone pin, 1000 pieces</td>
<td>No. 3692000</td>
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</tbody>
</table>

Scope of delivery AUTO spin
AUTO spin, drill, plate holder, impression holder, Level Controller, adjusting tool for drilling depth (screwdriver Torx T5), tool for drill fixing (angled key Torx T10), laser sticker set, Quick Start Guide, AUTO spin system illustrated manual

More information available online
Extraction units with maximum power and quietness

It is easy to concentrate and keep the workplace clean with the SILENT extraction units.

This is what makes work easier:

1. extremely quiet
2. strong suction power
3. intuitive operation
4. very long motor running time
5. easy calibration
6. modern, compact design

---

### Overview SILENT

<table>
<thead>
<tr>
<th>Feature</th>
<th>SILENT powerCAM EC</th>
<th>SILENT compactCAM</th>
<th>SILENT V4</th>
<th>SILENT EC2</th>
<th>SILENT TC2</th>
<th>SILENT TS2</th>
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</table>
SILENT EC2
Two workbench extraction

Powerful, bag-free extraction unit with two independently controlled suction ports, automatic filter cleaning and EC motor technology.

Advantages
- Secure production process through low-maintenance EC motor technology (> 5,000 operating hours).
- Consistant suction power thanks to automatic re-adjustment.
- Low operating noise of max. 55 dB (A).

Details
- No follow-up costs due to bag-free dust collection.
- Uninterrupted workflow due to easy motor change within a few minutes.

Technical data
- Permissible mains voltage / frequency: 220–240 V, 50/60 Hz | 100–120 V, 50/60 Hz
- Suction turbine power: 1610 W (230 V) / 1440 W (120 V)
- Volume flow (max.): 3984 l/min (2.34 ft³/s)
- Max. depression: 257 hPa / 2.9 psi (230 V) | 262 hPa 3.80 psi (120 V)
- Filter quality: Class M according to EN 60335-2-69
- Max. permitted connected load of the plug-in socket: 1840 W (230 V), 360 W (120 V)
- Total connected power: 3450 W (230 V) / 1800 W (120 V)
- Min./max. connection pressure external: 4.5 bar (65 psi) / 8 bar (116 psi)
- Number of suction hoses: 2
- Sound pressure level (LpA) (at max. volume flow): 55 dB (A)
- Fill level dust drawer: ~ 7.0 l (1.85 gal)
- Weight (empty): ~ 18.5 kg (40.8 lbs.)
- Dimensions (W x H x D): 285 x 535 x 540 mm (11.2 x 21.1 x 21.2”)
- Ø suction fittings interior: 45 mm (1.77”)
- Ø suction fittings exterior: 50 mm (1.97”)

Ordering information
- SILENT EC2, 220–240 V | 50/60 Hz No. 2937 0000
- SILENT EC2, 100–120 V | 50/60 Hz No. 2937 1000
- Suction hose, 3 m (with 2 mufflers) No. 90003 4240
- Suction hose, 6 m No. 90115 0823
- Suction hose, 9 m No. 90215 0823
- End bushings set, 2 pieces No. 2921 0003
- Starter-Kit Waste bag for SILENT TC/TC2/EC/EC2 No. 2934 0015
- Waste bag for SILENT TC/TC2/EC2/powerCAM EC (25 pcs.) No. 2934 0014
- External ventilation for SILENT TC/TC2/EC2/powerCAM EC No. 2937 0002
- 90° angled connector No. 2934 0007

Scope of delivery SILENT EC2
SILENT EC2, Quick Start Guide, Quick Reference Card, compressed air tube (fixed on the unit), connection set, 2 pinch valves with suction supports (already installed), suction hose 4 m, 4 end mufflers

More information available online
SILENT TC2

Two workbench extraction

Powerful, bag-free extraction unit with two independently controlled suction ports, automatic filter cleaning and long-lasting collector motor.

Technical data

- Permissible mains voltage / frequency: 220–240 V, 50/60 Hz
- Suction turbine power: 850 W (230 V)
- Volume flow (max.): 3980 l/min (2.34 ft³/s)
- Max. depression: 200 hPa / 2.9 psi (230 V)
- Filter quality: Class M according to EN 60335-2-69
- Max. permitted connected load of the plug-in socket: 2000 W (230 V)
- Total connected power: 2850 W (230 V)
- Min./max. connection pressure external: 4.5 bar (65 psi) / 8 bar (116 psi)
- Number of suction hoses: 2
- Sound pressure level (LpA) (at max. volume flow): 55 dB (A)
- Fill level dust drawer: 7.0 l (1.85 gal)
- Weight (empty): ~ 22.8 kg (50.3 lbs.)
- Dimensions (W x H x D): 285 x 535 x 540 mm (11.2 x 21.1 x 21.2")
- Ø suction fittings interior: 45 mm (1.77")
- Ø suction fittings exterior: 50 mm (1.97")

Ordering information

- SILENT TC2, 220–240 V | 50/60 Hz*: No. 2936 0000
- Suction hose, 3 m (with 2 mufflers): No. 90003 4240
- Suction hose, 6 m: No. 90115 0823
- Suction hose, 9 m: No. 90215 0823
- End bushings set, 2 pieces: No. 2921 0003
- Starter-Kit Waste bag for SILENT TC/TC2/EC/EC2: No. 29340015
- Waste bag for SILENT TC/TC2/EC2/powerCAM EC (25 pcs.): No. 29340014
- External ventilation for SILENT TC/TC2/EC2/powerCAM EC: No. 29370002
- 90° angled connector: No. 29340007

* Available soon

Scope of delivery SILENT TC2

SILENT TC2, Quick Start Guide, compressed air tube (fixed on the unit), connection set, 2 pinch valves with suction supports (already installed), suction hose 4 m, 4 end mufflers

Advantages

- Consistent suction power thanks to automatic re-adjustment.
- 1,000 operating hours guaranteed with the suction turbine due to innovative transformer control.
- Low operating noise of max. 55 dB (A).

Details

- No follow-up costs due to bag-free dust collection.
- Uninterrupted workflow due to easy motor change within a few minutes.

More information available online
SILENT TC
Single workbench extraction

Powerful, bag-free extraction unit with automatic filter cleaning and durable collector motor.

Advantages
- No follow-up costs due to bag-free dust collection.
- Low operating noise of max. 54.3 dB (A).
- 1,000 operating hours guaranteed with the suction turbine through innovative transformer control.

Details
- Uninterrupted workflow due to easy motor change within a few minutes.

Technical data

- Permissible mains voltage / frequency: 220–240 V, 50/60 Hz
- Suction turbine power: 850 W (230 V)
- Volume flow (max.): 3980 l/min (2.34 ft³/s)
- Max. depression: 257 hPa / 3.73 psi (230 V)
- Filter quality: Class M according to EN 60335-2-69
- Max. permitted connected load of the plug-in socket: 2000 W (230 V)
- Total connected power: 2850 W (230 V)
- Number of suction hoses: 1
- Sound pressure level (LpA) (at max. volume flow): 54,3 dB (A)
- Fill level dust drawer: 7.0 l (1.85 gal)
- Weight (empty): ~ 22.0 kg (50.3 lbs.)
- Dimensions (W x H x D): 275 x 535 x 540 mm (10.8 x 21.1 x 21.3")
- Ø suction fittings interior: 45 mm (1.77")
- Ø suction fittings exterior: 50 mm (1.97")

Ordering information

- SILENT TC, 220–240 V | 50/60 Hz: No. 2935 0000
- Suction hose, 3 m (with 2 mufflers): No. 90003 4240
- Suction hose, 3 m, antistatic 3 m (with 2 mufflers): No. 90003 4826
- Suction hose, 6 m: No. 90115 0823
- Suction hose, 9 m: No. 90215 0823
- End bushings set, 2 pieces: No. 2921 0003
- Starter-Kit Waste bag for SILENT TC/TC2/EC/EC2: No. 2934 0015
- Waste bag for SILENT TC/TC2/EC2/powerCAM EC (25 pcs.): No. 2934 0014
- External ventilation for SILENT TC/TC2/EC2/powerCAM EC: No. 2937 0002
- 90° angled connector: No. 2934 0007

* Available soon

Scope of delivery SILENT TC
SILENT TC, Quick Start Guide, suction hose 3 m, 2 end mufflers

More information available online
SILENT powerCAM EC
Extraction unit for CAM systems

Powerful, bag-free extraction unit with automatic filter cleaning and EC motor technology for heavily used CAM units.

Technical data

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<tr>
<th>Specification</th>
<th>Value</th>
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<td>Suction turbine power</td>
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<td>Volume flow (max.)</td>
<td>3984 l/min (2.34 ft³/s)</td>
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<td>Max. depression</td>
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<td>Weight (empty)</td>
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<td>Dimensions (W x H x D)</td>
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Ordering information

- SILENT powerCAM EC, 220–240 V, 50/60 Hz No. 2939 0000
- SILENT powerCAM EC, 120 V, 50/60 Hz No. 2939 1000
- Interface cable Type A, for vhf, 5-pin, 5 m No. 2934 0005
- Interface cable Type B, for Roland DG, 5 m No. 2934 0006
- Interface cable Type C, for imes-icore, 5 m No. 2934 0008
- Interface cable Type D, for Amann Girrbach, 5 m No. 2934 0009
- Interface cable Type E, for Yenadent, 5 m No. 2934 0010
- Interface cable Type F, for Zirkonzahn, 5 m No. 2934 0011
- Interface cable Type F, for Zirkonzahn with C14 adapter, 5 m No. 2934 0012
- Interface cable Type G, for vhf, 6-pin, from K5 No. 2934 0013
- Suction hose, 3 m, antistatic 3 m (with 2 mufflers) No. 90003 4826
- Waste bag for SILENT TC/TC2/EC2/powerCAM EC (25 pcs.) No. 2934 0014
- External ventilation for SILENT TC/TC2/EC2/powerCAM EC No. 2937 0002
- 90° angled connector No. 2934 0007

Scope of delivery SILENT powerCAM EC

SILENT powerCAM EC, Quick Start Guide, Quick Reference Card, 3 disposal bags (1 pc. inserted in the dust drawer), suction hose 2 m, incl. 2 mufflers

Advantages

- Bi-directional communication between extraction unit and CAM unit thanks to the PLC interface.
- Low operating noise of max. 54.3 dB(A).
- Safe production process through low-maintenance EC motor technology (> 5,000 operating hours).

Details

- High suction power of 38 m/s.
- No follow-up costs due to bag-free dust collection.
- Uninterrupted workflow due to easy motor change within minutes.
- Safe disposal of fine milling dust with the help of a disposal bag.

“Why are our SILENT extractors so quiet? Some noises are more stressful than others. We worked with psycho-acousticians who showed us the unpleasant frequency ranges. This allowed us to minimize the noises drastically in this range and provide the units with a pleasant audio frequency.”

Joachim Egelhof, Management
GEO Expert Functional
Functional modeling waxes

GEO Expert Functional waxes are high-quality modeling waxes for functional wax-up according to the natural wax-up technique (NAT) by Dieter Schulz.

Advantages
- Perfect positioning of color-coded occlusal surfaces thanks to coordinated flow and modeling properties.
- Easy implementation of functional tooth structures by following wax-up instructions.
- Flexible working as it is suitable for using the electrical wax knife and the Bunsen flame.

GEO Expert Functional Wax Set
Wax set for the production of functional models and restorations through the occlusal compass according to Dieter Schulz’ “Natural waxing-up technique” and philosophy as well as the concept of Oliver Dreher.

Ordering information

<table>
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<td>GEO Expert Functional Wax Set, Spanish</td>
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Scope of delivery GEO Expert Functional Wax Set
Wax presentation palette with transparent lid and user manual according to Oliver Dreher’s philosophy; 4 modeling waxes of 40 g each: GEO Expert Functional wax gray, blue, green, yellow; 2 modeling waxes of 4 g each: GEO Expert Functional wax red, orange; 2 DIN A5 sheets with Occlusal Compass (24 labels each sheet)

More information available online
GEO Expert Gingiva Set A. Bruguera

Esthetic modeling waxes

GEO Expert Gingiva waxes in pink and red are suitable for creating a gingival wax-up in the anterior and posterior regions, especially for implant superstructures.

**Ordering information**

GEO Expert Gingiva Set A. Bruguera, German No. 6340800
GEO Expert Gingiva Set A. Bruguera, English No. 6340801
GEO Expert Gingiva Set A. Bruguera, Spanish No. 6340802
GEO Expert Gingiva Set A. Bruguera, Italian No. 6340803
GEO Expert Gingiva Set A. Bruguera, French No. 6340804
GEO Expert Gingiva Set A. Bruguera, Portuguese No. 6340805
GEO Expert Gingiva Set A. Bruguera, Russian No. 6340806
GEO Expert Gingiva Set A. Bruguera, Chinese No. 6340807
GEO Expert Gingiva pink A. Bruguera, 40 g (1.41 oz.) No. 6340700
GEO Expert Gingiva red A. Bruguera, 40 g (1.41 oz.) No. 6340600

**Scope of delivery GEO Expert Gingiva Set A. Bruguera**

User guide according to the philosophy of August Bruguera; 2 gum colored modeling waxes of 40 g each: GEO Expert Gingiva pink, red

**Range of applications**

<table>
<thead>
<tr>
<th>GEO Expert Gingiva</th>
<th>Conventional crown and bridge techniques</th>
<th>All-ceramics and pressable ceramics*</th>
<th>Esthetic wax-up</th>
<th>Special waxes</th>
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<td>✔</td>
<td>✔</td>
<td>–</td>
</tr>
<tr>
<td>red</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>–</td>
</tr>
</tbody>
</table>

*Burns without residue

**Advantages**

- Red and white esthetics are possible through two transparent and natural-looking pink and red gingiva modeling waxes.
- Easy fabrication of monolithic and esthetic wax-ups with the help of a guide according to August Bruguera’s philosophy.
- Perfect in combination with the esthetic, tooth-colored modeling waxes from the GEO Expert Wax Set A. Bruguera.
Dynex Brillant
Separating and grinding discs

Flexible diamond grinding and separating discs with glass fiber reinforcement, created for cutting, separating and trimming veneering ceramics, zirconium oxide and lithium disilicate.

**Advantages**
- Avoids material damages due to very low thermal impact.
- Safe separation and trimming of press sprues due to very good cutting characteristics and removal capacity.
- Gentle to material due to extremely low vibrations.

**Dynex Brillant, 20 x 0.8 mm**
- Extremely stable and high removal capacity, especially suited for processing and grinding lithium disilicate.

**Dynex**
Separating and grinding discs

Flexible and robust, double glass fiber reinforced separating and grinding discs for precious and non-precious metal as well as model cast alloys.

**Advantages**
- Efficient separation and precise processing.
- Processing safety due to top separating and cutting performance.
- Gentle to material due to extremely low thermal impact.

**Dynex, 22 x 0.15 mm**
- Suitable for precise cutting and economic separating of precious and non-precious metal interdental areas.

### Technical data

<table>
<thead>
<tr>
<th>Model</th>
<th>Max. rpm</th>
<th>Recommended rpm</th>
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<tbody>
<tr>
<td>Dynex</td>
<td>50,000</td>
<td>5,000</td>
</tr>
<tr>
<td>Dynex Brillant</td>
<td>50,000</td>
<td>15,000</td>
</tr>
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</table>

### Ordering information

**Dynex Brillant**
- Ø 20 mm (0.79"), thickness 0.80 mm (0.03"), 1 piece  No. 56 0820

**Dynex**
- Ø 22 mm (0.87"), thickness 0.15 mm (0.01"), 20 pieces  No. 57 1522
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As well as the courses for experienced dental technicians, we also offer a range of specifically designed courses for trainees and junior dental technicians. We promote the junior staff and elaborate the basis for functional and natural looking restorations together.

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- Esthetic and hyperrealistic wax-ups
- Dental photography
- Dental communication training
- Layering ceramics, pressable ceramics and CAD/CAM technology
- Monolithic and diagnostic wax-ups
- Model production – the lab’s showpiece
- Functional theory and near-to-nature wax-up techniques

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Course program and contents renfert.com/education
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making work easy