

## Tips and Information for Use

Our mouth mirrors

**SE plus**

**TOPvision FS Rhodium MEGA FS Rhodium**

**ULTRA FS + ULTRAvision FS**

**RELAX FS Rhodium + RELAX FS ULTRA**

can be cleaned, sterilised (autoclave or hot-air) and disinfected by all usual methods.

The RELAX can only be sterilised in autoclave.

Please see also our manufacturer's information EN ISO 17664-1.

### PRECAUTION

#### Do not use hard brushes or sponges:

Because these would scratch the mirror. Especially Front Surface mirrors should not be cleaned by abrasive rubbing or scrubbing.



Picture 1 - Scratches

Such scratches arise mainly on FS mouth mirrors that are coated on the front surface.

#### Take care that the decalcification in your thermo disinfectant (washer) functions properly:

By this way you avoid calciferous residues, which would blind the mirror.

#### Take care that the water inside the washer is not polluted by hard or suspended particles:

Hard particles (e.g. residues of cement) can damage the mirror surface.

#### Make sure that pointed instruments do not touch the mirror surface to avoid scratches

#### Do not sterilise with "Quick Sterilisation Programs":

Glass has another expansion coefficient as stainless steel. Therefore unusual rapid and high changes in temperature in the sterilisation device may lead to tensions in the glass and can also lead to glass cracks.

#### Ultrasonic is not suitable for Mouth Mirrors

(see AKI Brochure, no. 4, 2016 „Instrumentenaufbereitung in der Zahnarztpraxis richtig gemacht“)

Amongst others, the mirror surface can be impaired.

#### Use acid-containing refresh liquids only for ULTRA FS and Rhodium FS mirrors:

Such called refresh liquids like Neodisher N contain phosphoric-acids. Thus the silver coated mirrors might be destroyed.

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## AVOIDING CALCIFEROUS DEPOSITIONS and CRUSTIFICATIONS

1. To avoid adherent contamination, put the instruments into disinfectant liquids **immediately** after use and clean them instantly.
2. Mouth mirrors should preferably be **rinsed with fully deionised water**.



Picture 2 -  
Calciferous Residues

If tap water is used for rinsing, only absolutely dry instruments have to be placed in the steriliser in order to avoid **calciferous residues** and/or watermarks.

During sterilisation with high temperatures, these residues will even bake in the glass or in the ULTRA FS mirror coating and cannot be removed.

3. If the decalcification of the washer is not correctly adjusted, calciferous residues will impair the mirror quality.

## FS RHODIUM: EASY REMOVING OF WATERMARKS, CALCIFEROUS RESIDUES and CRUSTIFICATIONS

This is **only** possible with mouth mirrors coated with **FS Rhodium** because they are coated with a **special HAHNENKRATT FS coating that provides an "anti-stick sealing" like Teflon**.

1. Remove calciferous residues with a soft brush and cleaning liquids.
2. Rhodium is a precious metal as gold and as a precious metal even resistant against acids. Therefore any calciferous residues can be removed by **simply cleaning with acid-containing refresh liquids, e.g. Neodisher N**.
3. **The ULTRA FS and ULTRAvision FS are coated with such called dielectric layers. Calciferous residues can bake in these layers and cannot be removed (see picture 2).**

### Why is this **not** possible with other front or rear surface mirrors?

1. With SE plus mirrors, coated with silver on the rear surface of the glass, removing of the calciferous residues with liquids containing acids is **not** possible, because calciferous residues burns deeply into the glass surface due to the high temperatures during sterilisation.

## YOUR BENEFITS at a glance

	ULTRA FS + ULTRAvision FS RELAX FS ULTRA	Rhodium FS: MEGA + TOPvision + RELAX	SE plus
<b>Acid-Resistance</b>	Yes	Yes	No
<b>Easy removing of calciferous residues</b>	Yes, if they are not already burnt in	Yes	No

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