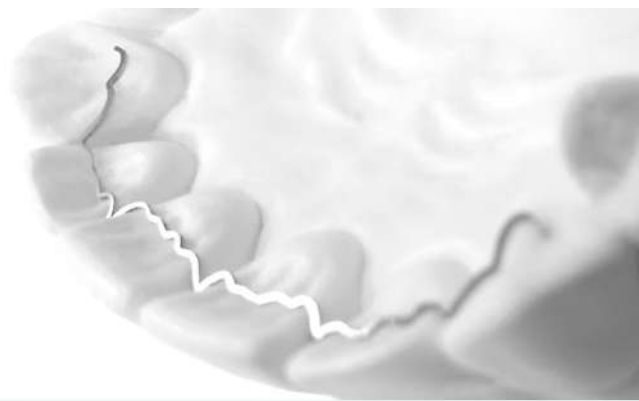





[www.memotain.com](http://www.memotain.com)



MEMOTAIN®  
STRAIGHT TEETH FOR A LIFETIME

MEMOTAIN®, the new CAD/CAM retainer, offers the highest precision, best fit and optimal user comfort. The latest technologies enable to produce Nitinol lingual retainers which precisely fit the individual patient situation due to the exact digital planning.



## MEMOTAIN®

### Straight teeth for a life time

**COMPARISON**  
In contrast to hand-bent conventional steel lingual retainers, the Memotain® retainer is made from Nitinol® and adapted by computer to fit the patient's particular tooth shape. The teeth are fixed dynamically. The retainer is machine-fabricated, so the wire is not bent and thus not weakened. Predetermined breaking points are actually eliminated. Therefore, we provide a 24-month breakage warranty.

**BENEFITS**

- Absolute precision fit due to the computer-controlled production
- Maximum comfort
- Better mouth hygiene, suitable for dental floss
- Precise positioning
- Especially suitable for treatment of the upper jaw
- 24-month warranty for material failure
- Faster placement
- Durability
- Less follow-up treatment required
- Memory Metal: Nitinol®

#### COMPARISON

Conventional Retainer



MEMOTAIN® Retainer



#### PATIENT'S SITUATION

The teeth move all your life. Over time more than 50% of the population have front crowding.

##### Harmony

Fully developed dental arch



##### Phase I

Slight crowding



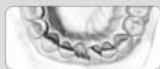
##### Phase II

Medium crowding



##### Phase III

Severe crowding



#### TREATMENT OPTIONS

Correction of malocclusion, for example with aligners, and then stabilization with MEMOTAIN® Retainer.



Or stabilization of your current occlusion with a MEMOTAIN® Retainer.



#### ORAL HYGIENE

Cutting-edge technologies create the conditions for the optimal oral hygiene.

MEMOTAIN® provides the basis for avoiding contact-point caries, periodontitis and tartar formation are avoided.



Dental floss can be used both above and under the MEMOTAIN® Retainer.



## CLINICAL APPLICATION

Before the MEMOTAIN® Retainer is placed, the lingual surfaces of the teeth must be thoroughly cleaned, even if they already appear clean to the naked eye. You should not use polishing paste, but instead an ultrasonic cleaner. The additional use of a sandblaster or AirFlow® will improve the durability of the bond.



You should ensure optimal location of the lingual surfaces during the bonding process. A Periotest® (sublingually) a Dry-Angle and cotton rolls are recommended. The use of DryFlow® on other tongue guard ensures perfect results.



You should start by etching only the lingual surfaces of the canines. A distinct etch pattern should be recognizable. First, coat only the canines with primer/bonding agent.



Grip the MEMOTAIN® by the transfer cap and place it in the patient's mouth.



Model the resin bonding sites on the patches and cure them.

### Note regarding the maxilla:

Use articulating film to check for any early contacts on the resin bonding sites, and remove them.

### Which resin?

For cementing a MEMOTAIN® retainer, both high- and low-filled composites can be used. Ensure as smooth a transition as possible between the bonding site and the natural tooth.

### Low-filled composites (Flow):

These composites ensure for a smooth surface that is comfortable for the patient.

### High-filled composites:

The higher proportion of fillers makes this resin more resistant to abrasion compared to flowable composites. However, the high-filled resin is rougher for the tongue. The sensation of roughness can be reduced by subsequent coating with bonding agent.

### Other information:

When making a new lingual retainer, you should remove the old resin bonds before taking the impression.



Secure the MEMOTAIN® Retainer with an instrument (digital adapter, MEMOTAIN® spatula or probe) while carefully removing the transfer cap.



Etch the four remaining anterior teeth and coat them with primer/bonding agent. Then model the resin bonding sites on these four anterior teeth and cure them.



The perfectly integrated MEMOTAIN® Retainer in the patient's mouth.

GETTING STARTED  
WITH MEMOTAIN®

