

(EN) ENGLISH

Instructions for use

The Ena Matrix system includes:

- anatomical sectional matrices, available in the following sizes: 3,5 mm for pediatric dentistry, 4,5 and 5,5 mm for restorations on gums; 6,5 mm for restorations in sub-gingival areas
- wedges: available 3 sizes of plastic wedges and 4 sizes of Wooden wedges
- Ni-Ti rings available in 2 sizes: for molar (black); for premolars and pediatric dentistry (red)
- forceps for rings and tweezers for wedges/matrices

Intended Purpose

Facilitating contouring of restorative dental material.

Characteristics and Benefits

Anatomical matrix

- Anatomical cervical shape with marginal ridges to reduce the time for finishing. Easier to burnish.
- Tines with hole which allow the positioning and removal with the specific tweezers without any problem.

Ni-Ti Ring

- Ni-Ti ring for an excellent resistance
- Elastic memory which guarantees a long duration and precise contacts
- Autoclavable plastic tines reinforced with glass fibre, for an extraordinary retention
- Better adjustment to the tooth surface to create a cavity with an ideal shape which allows to save time during finishing
- Available in 2 sizes, "Standard" and "Narrow", to ensure an optimal separation strength even in the smaller teeth

Wedges

- Wooden Wedges, Anatomical colour-coded, available in 4 sizes: extra-small (orange) small (white); medium (yellow); large (pink). They adapt perfectly to the tooth thanks to their shape. Color code facilitate the choice of the correct size.
- Plastic wedges: They can anatomically adapt to the interproximal area and allow a complete seal both on the vestibular and lingual side. A hole, in the handle, allows the positioning and removal with the specific tweezers without any problem. The special shape does not stress the papilla and prevents the wedge from coming out; available in 3 sizes: Small white, medium pink, large violet. Color code facilitate the choice of the correct size.

Instruments

- Stainless steel Forceps, for rings, and tweezers with pin, for plastic wedge and anatomic matrix, allow a perfect application thanks to the shape of the forceps that is adapting to the ring and the pins of the tweezers that block wedges and matrixes in the instrument.

Indications

Class II restorations, to facilitate contouring of restorative materials.

Intended User

Dentists in dental office and hospitals

Patient target group and medical condition

Children 3-18 years (also for deciduous teeth), adults 19-64 years, elderly 65- above, of any sex and condition. Medical device intended for patients who, due to tooth caries or trauma, or any other dental disease, have the following dental treatments to be performed:

- Class II restorations

Contra-indications: If a patient suffers from a known hypersensitivity towards one of the components, we suggest that the product have not be used.

Warnings

- Always use a rubber dam to prevent items from being inhaled or swallowed by patient.
- Consumable items (wedges, matrices) are for single use only.
- To ensure complete sterility autoclave rings, forceps, and pin-tweezers before use (134°C - 3 minutes; see Reprocessing instructions for reusable medical devices XISTRIS)
- Pin-tweezers are recommended for use with matrices and wedges of Ena Matrix system. Pin-tweezers minimize the possibility of unintentional release of the matrix or wedge before placement, and to allow removal of these components in a safe and controlled manner.

Instructions for use

- A. Grip the tab on the matrix with the pin-tweezers and fold the tab towards convex side. This enables you to easily slide the matrix into the embrasure in an apical direction. In addition, squeeze the wings a little to increase the curvature of the matrix as this provides more room for the ring later.
- B. Place the matrix directly into the embrasure on the preparation, taking care to ensure that the matrix is in the gingival crevice adjacent to the tooth you are restoring.
- C. While holding the matrix wing against the buccal or lingual surface of the tooth with your middle-finger, release the tweezers. Using the tips of the tweezers fold the tab over so that it sits above the marginal ridge of the neighboring tooth.
- D. Keep your fore-finger on the tab to prevent it moving. Ask your assistant to place an appropriately sized wedge in the pin-tweezers. Insert the wedge from buccal side and push it in firmly.
- E. Ask your assistant to pass you the ring already on the forceps with the lock on. **DO NOT RUSH THIS PART!** Using a finger-rest to steady the forceps, move the ring into position so that it straddles the wedge. Make sure the ring is in direct contact with the wedge and will not move any further in an apical direction.

Note

The tips of the tines of the ring should be close to the gingival margin and the slot should touch the wedge. Sometimes, it is better to place the ring with the spring facing backwards: one example is an MOD or a "DO". The system allows a second wedge to be easily placed from the other side. The second wedge can be fitted underneath the first wedge. This feature gives the system unrivalled flexibility and enables the dentist to easily adjust the wedging without starting all over. Occasionally your ring may need resetting, particularly if they have been over-opened. They can easily be reset by firmly squeezing the tines together.

Disposal: parts and accessories in direct contact with patient's mouth must be sterilised before disposal or disposed of as special waste.

Disposal of the medical device must be carried out in accordance with local regulations. Contaminated packaging can be disposed of, after cleaning, in the separate collection of rubbish in accordance with the identification symbols, if applicable (97/129 EC).



MICERIUM S.p.A.

Via G. Marconi, 83 - 16036 Avegno (GE) - Italy
Tel. 0185 7887.880 • email: hfo@micerium.it
www.micerium.com

