

ecovac vacuum mixing system

Precision-fit restorations obtained through optimal use of material properties



With its matched system components ecovac provides additional controlled work processes in the dental laboratory and offers efficient stirring of materials to be mixed. Modelling and casting results are improved, reworking is reduced and quality improvement and increased customer satisfaction are ensured.



- User-friendly, compact unit
- Table or wall-mounted version
- Height-adjustable table unit
- Integrated powerful and maintenance-free vacuum pump
- Clearly arranged control panel
- Stirring time, speed and vacuum can be adjusted individually
- Acoustic signal at the end of stirring time
- Three different sizes of stainless steel mixing cups
- Specially shaped mixing spirals for ecovac mixing cups
- Mixing cups can be adapted to standard mixing units (Amann, Degussa)

Scope of delivery:
Order No. 140 0093 0
ecovac mixing system for wall mounting
(without mixing cup and base)
1 mains cable
1 spare filter
1 drilling template for wall mounting
4 screws and plugs for wall mounting
1 Instructions for use

Order No. 210 0045 0
Base for ecovac mixing unit

Features of the ecovac mixing system



• Speed of the stirrer

The individually adjustable stirring speed allows correct processing of different materials to provide high comfort and flexibility.

• Variable vacuum

Setting option for high vacuum (15 mbar), e.g. for bredent CoCr investment materials, or average vacuum (200 mbar), e.g. for bredent Speed investment materials optimizes the properties of the materials to be mixed, avoids the formation of bubbles and thus time-consuming corrections during subsequent working steps.

• Sophisticated technology

Instead of a mixing blade a specially shaped spiral is used for mixing the materials. The width of the ecovac mixing spiral has been adapted to the inner dimensions of the ecovac mixing cup. When mixing, the mixing spiral has only a minimal distance of 1.2 mm to the inner walls of the mixing cup so that homogeneous mixing of materials and constant results are ensured.

ecovac mixing cups

• The smooth inner surface of the stainless steel mixing cup prevents any material or liquid residues from adhering to or depositing in scratches or undercuts. The conical shape ensures that material which has been taken up will flow back to the center of the mixing cup. Accordingly, the mixing ratio is retained exactly and better results can be achieved with minimal effort.

The mixing cups can be cleaned easily, deposits on the inner surfaces are avoided. Classification of the mixing cups for plaster and investment material is not required so that time and money can be saved.



Order No.

140 0B94 5	Mixing cup	50 ccm
140 0B94 0	Mixing cup	250 ccm
140 0B94 2	Mixing cup	750 ccm
140 0B94 3	Mixing cup	1000 ccm

140 0B94 4	Mixing cup „D“ (for the use in the Degussa mixing unit)	425 ml
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ecovac mixing spiral

• The mixing spiral takes up the components to be mixed from all areas of the mixing cup and stirs them horizontally and vertically. No unmixed materials will remain on the bottom of the mixing cup, which may cause different expansion of the material later on.

All features and components listed provide increased reliability, lead to improved fit when preparing dental restorations and avoid time-consuming reworking.

Order No.

140 0R94 5	Mixing spiral for ecovac mixing cup	50 ccm
140 0R94 0	Mixing spiral for ecovac mixing cup	250 ccm
140 0R94 2	Mixing spiral for ecovac mixing cup	750 ccm
140 0R94 3	Mixing spiral for ecovac mixing cup	1000 ccm