MESTRA

Mixer IRIS

Ref. 080516 - 080517 - 080517E - 080518

Mixer IRIS

As it happened with the dishwasher, the power steering, or the remote control, the vacuum mixers at the beginning were introduced into the dental lab as a luxury item that a privileged few could afford. They became more and more popular, and nowadays they are an essential tool within the sector. We are not only talking about practicality and comfort, but about something much more important: quality.

Every professional knows that in order to guarantee a good work with plaster -besides the quality of the product- many other factors are required, such as the mixing process, the amount of water used, the mixing time or the using an appropriate vacuum atmosphere. All these factors depend directly on the device used for the mixing. It is easy to understand why vacuum mixers are no longer odd "gadgets", and have become indispensable tools.

Characteristics

Dimensions	350 x 155 x 205 mm
Weight	4,8 kg
Voltage	230 V. 50/60 Hz
Time range:	
IRIS 2	0/120"
IRIS 2 Evolution	0/300"
IRIS 2 Evolution II inverter	0/300"
Rpm:	
IRIS 2	240
IRIS 2 Evolution	100-400
IRIS 2 Evolution II inverter	100-400
Power	100 W

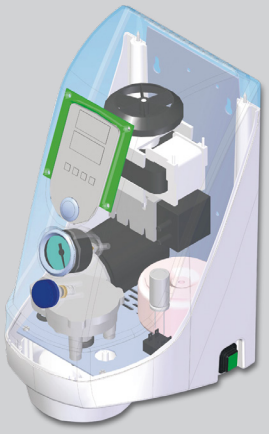
Versatility

IRIS 2
Ref. 080516

IRIS 2 Evolution
Ref. 080517

IRIS 2
Evolution II inverter
Ref. 080517E

IRIS 2 Advanced
Ref. 080518



- **Iris 2.** A device of comfortable and easy operation.
- **Iris 2 Evolution,** The most balanced option, with a high output.
- **Iris 2 Evolution II** inverter New optimized version of the well-known **IRIS** vacuum mixer. Among the improvements introduced we can point:

  - ✓ Mixing spin inversion.
  - ✓ Backlit alphanumeric display.
  - ✓ New electronic controls for a more intuitive and simple programming.

- **Iris 2 Advanced,** high performance, the top of the range. Common to all the three versions is an attractive design, combining practicality and ergonomics. Moreover, reliability and a long working life are guaranteed, because it is a **MESTRA** product. The same also applies to the after-sales service, one of the aspects in which our firm takes the greatest care.

In **MESTRA** we know that not all the Dental Labs have the same needs. Techniques and materials have become more and more sophisticated during the past years, and they require much more refined and accurate tools. Fully aware of this fact, our engineers have created three different versions of the mixer, adaptable to any type of requirement.

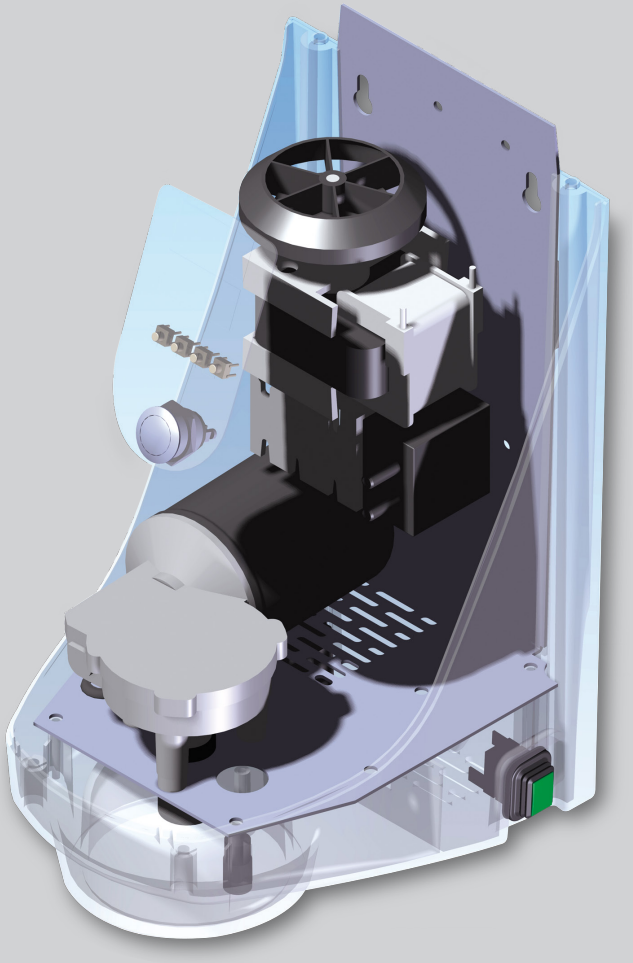
Details

For a mixer to become leader in the market, mixing and vacuum making is not enough. There are some details and features that make a difference between a product just correct and an excellent one:

- ✓ Coupling the bowl to the machine is comfortable and smooth. You just have to press a button to uncouple the bowl.
- ✓ The noise level has been carefully worked out. Both the pump and the motor make just a light humming. None of our models is fitted with noisy Venturi technology.
- ✓ When the cycle is over, the bowl remains coupled to the machine in definitely. In case of carelessness, it impossible for the bowl to become detached from the mixer body.
- ✓ The machine is factory supplied with all the elements needed to install it on the wall.
- ✓ The use of the software of the controls is completely intuitive. In a few minutes, the user will be able to get the most out of the machine.

Moreover, all the **MESTRA** products are designed to offer functional, and at the same time, harmonious products. The quality of the materials used, the level of finish, the touch of the controls, the easiness of use, the ergonomics... are a good example of the standards required by **MESTRA** in all its products.

These quality and details are easily noticeable, but difficult to define. If you already are one of our customers, you will have probably confirmed it by yourself.



IRIS 2: Simplicity

The main feature of the **Iris 2** mixer is its simplicity. Just put the bowl and select the mixing time: the machine will perform the cycle immediately. In a few seconds you will have an optimum mix ready to be used. Despite this apparent simplicity, its casing hides a powerful electric motor and a high vacuum pump that reaches 610 mmHg.

In **MESTRA** we think that simplicity cannot be at odds with comfort. And this is why we have opted, even in this economical model, for an electrical pump, instead of the Venturi technology, with its characteristic high level of noise.

IRIS 2 Evolution: Balance

"In media stat virtus". (Virtue lies in the middle). This is the motto of the **Evolution** model: a high performance machine, adaptable to any kind of work and with an excellent value for money.

Thanks to its electronic controls, this version allows to regulate -besides the working time- the rotation speed between 100 and 400 rpm. This way, the mixing can be optimized using all the wide range of materials in the market (coating, type II; III; IV plasters, etc...). The electronic controls of the **Iris 2** version allows the user to design, record and use his own programmes. Comfort is not at odds with performance.

IRIS Evolution II inverter

Updated version of the well-known **Iris 2 Evolution** vacuum mixer. It incorporates a new more powerful and reliable control that increases the performance of the machine.

Programming is more intuitive and easy due to an alphanumeric type display. Perhaps the most significant novelty is the incorporation of the spin inversion function, which achieves a fine and homogeneous mixture without increasing the beating time.

Like the other members of the Iris family, this new model maintains the same robustness and practicality.

The **Iris 2, Evolution, Evolution II inverter and advanced** mixers are factory supplied wit a 550 cc bowl. However, there is a wide range of bowls available that will meet all your possible needs.

230cc. Alginate Special;
250 cc. 550 cc. 750 cc. 1000 cc. 1250 cc.
1250 cc. Stainless steel.

Most probably this is the most complete range in the market. The blade in the bowl's standard version (500 cc) is made of polycarbonate which gives it the following advantages:

- ✓ A circular shape, with better hydrodynamics. It is easy to understand that a perfect mixing does not require wasting the power of the motor in generating friction and heat because of the big drag surface of the blade. The key point is to use the power of the engine to stir the material, not to create friction.

- ✓ The device is made of high-strength plastic, virtually unbreakable, and practically non adhesive to plaster (much less adhesive to plaster than metals). The cleaning is very simple and if the mix hardens by accident, the blade is easily recovered after removing the hardened plaster.

And, of coarse, The **IRIS** mixers also have a stand to turn it into a **Ref. 080519** tabletop version.

The three models are factory supplied with all the elements needed to fix them to the wall.

Advice to choose a mixer

You may be currently interested in buying a new mixer. In this case, you are lucky, because you will find many models and manufacturers of excellent products in the market. We would like to give you several useful tips for you to choose the most suitable model.

- ✓ **First of all, be objective. Do not let names, nationality or any other information from the dealer influence you.** Do not pay attention to set phrases such as “there must be something wrong if it is so cheap”, “cheap products often prove to be expensive”, “in XX (country) they have never been good at manufacturing machines” and so on. Take into account just reasons, facts and arguments. Never accept disparaging remarks from dealers. Compare at least three models (four, better) before choosing one.

- ✓ **Begin with an analysis of your needs:** decide if you need an easy-to-handle simple model, or on the contrary, something more sophisticated. When a customer buys a vacuum mixer, his satis faction depends to a great extent on buying the appropriate model for his needs.

- ✓ **The motor and the vacuum power should have the right features to meet your needs.** Vacuum levels higher than 500 mmHg are fully acceptable. As far as you can, keep away from Venturi based systems. The noise they make is very annoying, let alone their high air consumption.

- ✓ **As for the mixing speed,** you will have to select it according to the type of material you are going to use. For traditional materials 200/250 rpm will be enough. In case of more sophisticated materials, you should choose a 350/400 rpm model.

- ✓ **You should take into account the availability of the accessories:** number of bowls offered by the manufacturer, material of the bowls, holders, etc. We would like to remind you that blades made of non-stick plastic are always more efficient and easier to clean than metal ones.

- ✓ **Pay close attention to details:** you will prevent a lot of problems with this bowl that remains indefinitely coupled to the mixer after the mixing cycle is over. Simplicity and smoothness when coupling/uncoupling the bowl are also important features. You should consider how much space the device takes up.

- ✓ **Check out whether the device is easy to handle.** Accuracy and smoothness are not at odds with simplicity. You will find three different options within the IRIS 2 family, all of them simple and intuitive.

After analyzing the aspects above, consider the price, the technical support and all the other services offered by the manufacturer. Think over all this information, and make your choice. If you take into account all these tips, be sure you will always make the right choice, whatever you decide.

At MESTRA we are specialized in the manufacture and distribution of dental machinery and appliances. We are a Spanish company based in Bizkaia. We currently export to clients in more than fifty countries on five continents and we have more than a thousand references in our catalogue.

We have maintained a line of constant expansion since our foundation in 1945, thanks to our best qualities: the high quality of our products that have earned the ISO 9001:2015 certification by TÜV Rheinland, a close and attentive relationship with our customers, and a constant technical innovation in the design of our products.

Our design philosophy is based on three fundamental pillars: the needs of our clients, the observation of the techniques used in dental laboratories and our more than 77 years of experience providing creative and contemporary solutions to the daily problems of professionals in the sector.

Do you want to take a virtual visit to our training and exhibition center?

Contact us and we'll show you!

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