



Dispenser BOOMERANG Precision II

Ref. 080592



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ACCURACY



PRACTICALITY



SAVING



Simplicity by itself is of little use if it is not accompanied by precision dosing. So one of the biggest challenges the **MESTRA** design team faced when updating the **Boomerang** dispenser was maintaining the simplicity of the original model by improving accuracy.

The previous **Boomerang** had a vibratory type pump that, although precise, does not reach the values of the new peristaltic type pump. In addition, noise produced during dosing is substantially reduced, improving wearing comfort. This improvement, together with the update of the electronic control and the weighing gauge, lead to extraordinary precision.

The result speaks for itself: the combination of a weighing scale with tenths of a gram resolution and the commented peristaltic pump, produce errors of less than 2%. For practical purposes, these values are fully compatible with those recommended for plaster casts of type III and IV, representing a considerable saving in the plaster cast of the laboratory.

Compared to the previous **Boomerang** version, the incorporation of an alphanumeric display with real-time instructions significantly simplifies the operation of the device. The calibration of the machine has also been simplified compared to the previous model, now faster and much more intuitive and with help messages on the display.

By means of the **"Fixed Ratio"** function, we store in memory a value for the ratio between water and plaster, and from that moment it will only be necessary to select the quantity of plaster that we want to dispatch: the water is dosed automatically.

It is also possible to work in **"Variable Proportion"**, so that the amounts of plaster and water are chosen independently.

Of course, the possibility of programming up to four different materials that are stored in memory remains in the new model. It will be enough to change the tank and select the material, so that the dispenser works with a new type of plaster.

We must recognize that the initial objective of heading for the **Boomerang** dispenser was offer a machine that simplifies and adds precision to the tedious job of dispensing plaster in the dental laboratory. However, practical feedback from our customers shows that one of the most compelling reasons to incorporate a **Boomerang** dispenser is material savings.

One of the most typical comments that usually Listening to our commercials can be summarized as follows: "... In my laboratory I work with six other employees. I have noticed that, since the incorporation of the **Boomerang**, the consumption of plaster has decreased by 30; or maybe 40%. If we take into account the volume of plaster that we handle and the price of types III and IV, I can no longer do without the machine..."

This kind of testimonies shows the true value of the **Boomerang** dosing machine. When casting plasters, it is usually a common practice to increase the amounts due to the typical "just in case". However, when the exact quantity is requested from the **Boomerang** dispenser, you can be sure that it will be delivered to you without any loss or excess. Adding the savings in each dosage, the total amount surprises.

Characteristics

Height 700 mm	Voltage 230 V, 50/60 Hz
Width 350 mm	Power 70 W
Depth 430 mm	Big tank capacity 5 L
Weight 7,5 kg	Small tank capacity 2 L

SIMPLICITY



The accessibility to the tank is immediate, which makes it possible to disassemble in a few seconds. Subsequently it is possible to load the tank from any comfortable position, without having to lift heavy bags over the machine. In addition, the powder generated in the loading maneuver is prevented from being deposited on the machine. Quick access to cleaning the dosing system is another advantage.

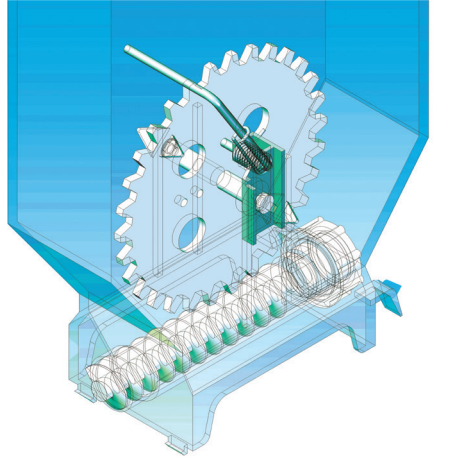
You can work with different plaster types in one machine. The replacement of a plaster tank with a different tank is done in few seconds. Another important detail is that the tank is transparent, so it is easy to check the remaining level, the correct operation of the dosing systems, the cleaning, etc. without opening any lid or register.



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In case of a failure or obstruction in the dosage spindle, you can dismount and mount it again in less than two minutes, and no training in mechanics or special tools are required. Your hands are enough. In the worst case, the whole tank unit is an economical element and easily replaced by the user himself. What in other machines are expensive works (maintenance, failures...) become routine works in our machine.

COST



The cost of the **Boomerang** dosing machine must be analyzed from two different perspectives: On the one hand, the cost of acquiring the machine and, on the other, the savings of its daily use.

In relation to the first of these, the use of solutions as ingenious as the removable tank system; the possibility of dosing accurately using inexpensive mechanical elements; the use of technical composites in its structure; or the simplicity of its electronic control, allow this objective to be more than achieved. Currently - and within **MESTRA's** knowledge - the **Boomerang** dispenser is positioned as the most economical option present in the Dental Market. Of course, its low price does not in any way detract from the quality, reliability and technical assistance, typical of the **MESTRA** brand.

Regarding the second of the savings, time has shown us that, although initially the average buyer acquires the machine for comfort reasons, one of the qualities that most satisfy customers of the **Boomerang** dosing machine in the long run is the savings achieved in materials. As stated, practical reality shows us that it can reach 40%, especially in plasters of type III and IV. Depending on the size of the laboratory, this saving allows the machine to be amortized in a few months.

SELECTION

DISPENSER ADVICE TO CHOOSE A

- ✓ **Check out that the machine is easy to load.** Remember that loading is an everyday operation and that it should be simple. In this respect, detachable tanks make this operation much easier.
- ✓ **Check out with how many types of plaster the machine can operate.** A dispenser that allows replacing the tank in a few seconds is a great advantage. Do not accept arguments like "... you can always have two machines for two different types of plaster...". This option takes up a lot of space and means a very high cost.
- ✓ **Be sure that the machine is easily repaired in case of failure.** You have the right to ask the dealer about the cost of repairing a failure in the spindle or the dosage system. Ask the dealer about other maintenance works as well. We strongly recommend you to distrust the "our machine never fails" argument.
- ✓ **Check out the accuracy of the dispenser ALWAYS WITH OBJECTIVE EVIDENCE.** Do not trust arguments like "our system is the most reliable in the market", "our machine features the X component, without which an exact dosage is impossible", "the X brand product does not work properly". If the **Boomerang** dispenser is one of your options, do not hesitate to ask for a trial to check the accuracy of the machine without obligation (consult your **MESTRA** dealer). Field trials are the only way to be objectively sure. Ask for free trials for your other options.
- ✓ **Ask about the different dosage systems of a given model.** They should be simple and practical methods, easily adaptable to all kinds of needs.
- ✓ **Keep away from complicated controls.** A few buttons are enough for this purpose.

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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