

## 60-10 Optimix (Project 99-45) (4/00)

The Optimix is Kerr's newest amalgamator that is designed to be the successor to the popular Automix. It is manufactured and serviced by Demetron, a division of Kerr Corporation. The Optimix still retains the microprocessor control and liquid crystal display (LCD) like those with the Automix, but Kerr cites that the Optimix is completely programmable, eliminating the need for the computer "credit cards" that were required with the Automix. All programs can be accessed or modified through a touchpad on the Optimix front. The Optimix features an improved capsule holder that is said to be compatible with all amalgam and glass-ionomer capsules. The capsule holder is part of a spring-loaded horizontal mixing arm into which capsules can be placed and removed with one hand. The mixing chamber is totally enclosed with a safety cutoff that stops mixing in the event the chamber hood is opened during trituration. Other features include the ability to customize and save modified trituration programs, multi-lingual capabilities, increased frequency ranges (3000-4800 cycles per minute), and laminated instruction cards for quick reference. The Optimix is compatible with 115-120V 50/60Hz AC power, measures 5" H x 10" L x 7 5/8" D, and weighs 8.25 pounds.

### Manufacturer:

Sybron Dental Specialties  
Kerr/Demetron  
1717 West Collins Avenue  
Orange, CA 92867  
(800) 537-7123  
(714) 516-7400  
(714) 516-7633 FAX  
[www.kerrdental.com](http://www.kerrdental.com)



### Suggested Retail Price:

\$935.00 Optimix (Item number 910060)

### Government Price:

\$441.45 Optimix (Item number same as above)

### ADVANTAGES:

- + Produces consistent mixes of materials.
- + Pre-programming makes it easy to set mixing frequency and time.
- + Quietest triturator that DIS has evaluated.
- + Capsule placement and removal can be accomplished with one hand.
- + Compatible with all tested capsule designs.
- + Passed all electrical safety requirements.
- + Mixing times and frequencies are accurate.
- + No undue vibration during operation.
- + Comparable in price to other triturators.
- + Securely packed for shipment.
- + Safety switch prevents mixing while mixing chamber lid is raised.
- + Internal circuitry clearly labeled with "quick-connect" electrical connections.
- + Multi-lingual LCD readout.

### DISADVANTAGES:

- Programming times and frequencies for a wide variety of materials are not currently available.

### SUMMARY AND CONCLUSIONS:

The Optimix amalgamator features pre-set programming of mixing frequencies and times that has replaced the computerized input cards that were required for the unit's predecessor, the Automix. The Optimix is well designed, features high-quality construction, and passed all electrical safety tests. The unit

features a sealed, brushless motor with clearly labeled internal electrical components that should facilitate any needed maintenance. The Optimix did not vibrate excessively during operation, displayed accurate timing and frequency control, was compatible with all capsule designs tested, and was the quietest triturator that DIS has evaluated. Clinical users confirmed that the Optimix produced consistent mixes regardless of the materials that were used and capsules were easy to place and remove with one hand. Although evaluators expressed a desire for more programming for non-Kerr capsules, no users reported any problems achieving clinically satisfactory preparation of materials. The unit is comparable in price to that of other triturators. A majority of the evaluators rated the Optimix as "Excellent" and all users recommended it be purchased for use in their respective clinics. The **Optimix** is rated **Recommended** for use by the federal dental services.