

### 45-19 ProMix Triturator (Project 94-45) (6/99)

The ProMix triturator is a two-speed (low and high) triturator that features touchpad controls, digital display, and two programmable memories. Its mixing arm (folk) is horizontally mounted and operates in a sealed mixing chamber. The mixing arm is slotted to accept glass-ionomer capsules. The unit is microprocessor-controlled which purportedly enables it to maintain an accurate, constant frequency during operation. Mixing times can be set in increments of 1 second up to a maximum of 30 seconds. The unit automatically shuts off if the cover of the mixing chamber is opened. The triturator housing is white plastic. The unit weighs 7 pounds and is 10 inches wide by 9 inches deep by 5 inches high.



#### Manufacturer:

L.D. Caulk Division  
Dentsply International, Inc.  
P.O. Box 359  
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(302) 422-4511  
(800) 788-4110 FAX  
[www.caulk.com](http://www.caulk.com)

#### Suggested Retail Price:

\$685.40 ProMix triturator (item number 672200)

#### Government Price:

\$430.49 Product and item number as above

#### ADVANTAGES:

- + Mixing frequencies at low and high settings are extremely accurate.
- + Mixing time settings are accurate.
- + Mixing time can easily be set using touchpad.
- + Commonly-used mixing parameters of frequency and time can be programmed into the unit's memory.
- + Digital display shows mixing time and counts down time as triturator operates.
- + Light-emitting diode indicates mixing frequency (high or low).
- + Exhibits little vibration during operation.
- + Is noticeably quieter than several other popular tritulators.
- + Unit will not operate if door to mixing chamber is open.
- + Capsule-holding portion of mixing arm is slotted to accept glass-ionomer capsules.
- + Mixing arm retains capsules securely during operation.
- + Is supplied with a long (10-foot) power cord.
- + Unit's design facilitates cleaning/disinfection.



#### DISADVANTAGES:

- Loading of capsules into mixing arm requires two hands.
- Mixing arm is difficult to open following trituration.
- Mixing arm is difficult to disinfect and clean because of its design.

#### SUMMARY AND CONCLUSIONS:

The ProMix triturator thoroughly and consistently mixes amalgam and glass-ionomer capsules. The manufacturer's instructions are clear and describe product use well. A two-handed technique is required to load capsules into the mixing arm, and evaluators found that capsules were frequently difficult to remove from the arm following trituration. The unit exhibits minimal vibration, is extremely quiet during use, and its sleek design facilitates cleaning and disinfection. The ProMix is competitively priced. All five clinical evaluators were favorable impressed by the triturator's performance and all awarded it an overall rating of "Excellent" or "Good." The ProMix Triturator is rated **Acceptable** for use by the federal dental services.