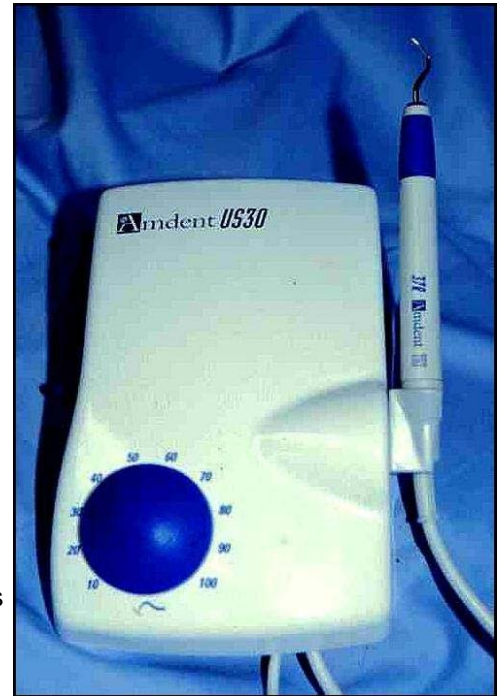


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59-20 Amdent US30 Ultrasonic Scaler (Project 99-05) (12/03)

The Amdent US30 is a new piezoelectric scaler manufactured in Sweden by Amdent AB and marketed in the United States by Biotrol International. The external case of the US30 consists of an upper and lower assembly. The upper assembly is a one-piece, high-density composite material that is smooth and devoid of any openings. This design prevents aerosols or disinfectants from penetrating the inner workings of the unit. The lower assembly is constructed of a polyvinylchloride-coated aluminum frame. Each of the control knobs that protrude from various locations on the external case has a removable and fully autoclavable silicone cover.

Amdent's solution for speeding-up tip changing and enhancing infection control is the Quick-a-Tip handpiece system. The Quick-a-Tip is an integrated tip and removable handle. It is comprised of an autoclavable, high-density, plastic handle and stainless-steel working end. It is attached by rotating the threaded Quick-a-Tip over the corded handpiece. Near the working end of the Quick-a-Tip is a silicone rubber grip that is said to reduce operator fatigue by acting as a vibration damper and to allow a better purchase on the handle. Three Quick-a-Tips and two sets of autoclavable knob covers are included with each US30. A conventional corded foot switch is used to activate the unit when powered. The US30 is compact. It measures 2 inches high by 5 inches wide by 8 inches deep and weighs just 3.5 pounds. The scaler is configured for 120 volts and is ETL listed and CE marked.



As an option, the unit can be equipped with an endodontic function that reduces the power to it by 50% over the entire range so it can be used during endodontic therapy. Optional Quick-a-Tip fileholders are available in increments of 70-, 90-, and 110-degrees. Also available are Quick-a-Tips for condensing amalgam and cementing crowns and inlays.

Manufacturer:

Amdent AB
Box 1009
SE-149 25 Nynäshamn
Sweden
46-8-520-131-20
46-8-520-185-74 FAX

Distributor:

Biotrol International
650 S Taylor Avenue, Suite 20
Louisville, CO 80027
(800) 822-8550
(303) 673-0341
(303) 673-0346 FAX
www.biotrol.com
VA Contract # V797P-3067K

Suggested Retail Price:

\$1,665.00 Amdent US30 scaler (Item #AMD8371) with three Quick-a-Tip handpieces, corded foot pedal, and instructions.

Government Price:

\$999.00 Amdent US30 scaler (Item #AMD8371, same contents as above).

ADVANTAGES:

- + Full two-year warranty for parts on the Amdent US30; three-month warranty on Quick-A-Tip handpieces.
- + Is easy to use.
- + Provides good calculus removal.
- + Handpiece is autoclavable.
- + Can be used for endodontic procedures when equipped with optional handpieces.
- + Light weight and portable.
- + Simple design and smooth finish facilitate asepsis.
- + Has autoclavable silicone covers for control knobs.
- + Power adjustment controls are well placed.
- + Features indicators for handpiece efficiency.
- + Complete and clear operating, installation, and maintenance instructions.
- + Meets all electrical safety standards as outlined in AFI 41-201 and 41-203.
- + Is ETL listed and CE marked.

DISADVANTAGES:

- Clinicians who routinely use magnetostrictive scalers found the learning curve a bit steep.
- No separate water system for scaler.

SUMMARY AND CONCLUSIONS:

The Amdent US30 is a piezoelectric scaler that is easy to use for dental prophylaxis procedures. The simple, modern design of the unit facilitates established infection control procedures such as disinfection and barrier protection. Operating, installation, and maintenance instructions are complete and easy to follow. The US30 is extremely light and portable. Calculus removal was judged to be good, however the evaluators indicated that they routinely used magnetostrictive scalers and there was a learning curve to overcome with this unit. Laboratory evaluators found that the unit met all electrical safety standards of AFI 41-201 and 41-203. Providers liked the appearance of the unit and found the noise level generated during use to be acceptable. All three clinical evaluators rated the US30 as "Good" or "Excellent." The **Amdent US30** is rated **Recommended** for use by the federal dental services.