

61-35 QuickCut Die Saw (Project 00-12) (12/00)



The QuickCut Die Saw is a hand-held, motorized saw for sectioning dies on prosthodontic casts. It is claimed to cut pinned casts in less time than a conventional coping saw. When connected to a suction system, a tube that is built into the handle collects dust. The QuickCut Die Saw uses a narrow, diamond-coated blade that is purported to allow the cutting angle to be changed during operation. This unit includes a [device](#) that is designed to securely hold dental casts during use and is said to accommodate both full or quadrant casts. For safe operation, the QuickCut Die Saw requires two hands to operate because a safety button on the control box must be depressed with one hand while holding the hand unit with the other. This safety feature should preclude the technician from operating the saw while holding the cast. Although said to be applicable for most situations, the manufacturer advises against using the QuickCut Saw to cut "tight" margins. The unit weights 15 pounds, is 9.5" W x 17" H x 14" D, and has a three-foot-long cable. Electrical requirements for the QuickCut Die Saw are 115 V, 60 Hz.

Manufacturer:

Whip Mix Corporation
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Louisville, KY 40217-0183
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502-637-1451
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Suggested Retail Price:

\$1538.50 QuickCut Die Saw
\$92.30 Replacement Blades (2)

Government Price:

\$1007.70 QuickCut Die Saw
\$63.85 Replacement Blades (2)

ADVANTAGES:

- + Provides fast, clean, straight cuts resulting in clinically acceptable dies.
- + Vacuum dust collection removes dust from the cutting field and from the operator's breathing zone.
- + Engineered safety feature prevents accidental cutting of user's hands.
- + Reduces hand fatigue compared to manual coping saw method.
- + Cast table is easy to adjust.
- + Is easy to set up.
- + Well built.

DISADVANTAGES:

- Can not be used in cases where adjacent margins are close together.
- Requires high-volume use to justify cost.
- Has an initial learning curve.

SUMMARY AND CONCLUSIONS:

The Whip Mix QuickCut Die Saw is a hand-held motorized die saw with built-in vacuum collection device. The saw requires a learning period for users to master it and gain confidence in its two-handed operation. The 360-degree adjustable table provides easy access to the cast and can be used to hold quadrant casts as well. When connected to a vacuum system, the saw maintains a clear cutting field and reduces clean-up time. The diamond-coated, 0.015-mm-thick blade cuts quickly, and its flexibility permits the user to change direction while cutting. The QuickCut Die Saw reduces hand fatigue and sawing time compared to conventional manual methods. Drawbacks include the inability to section dies with close adjacent margins and high initial cost. Users also expressed a desire for an armrest to help them stabilize the saw when making cuts. Evaluators thought the unit is best suited for use in a high-production laboratory. The **QuickCut Die Saw** is rated **Acceptable** for use by the federal dental service.

