

TILE PRO III



The ***Tile Pro III Automatic Edging System*** is a self contained, precise, shaping system designed to automatically profile and finish stone or porcelain tile 1/4" to 3/4" thick and up to 24" in length. The ease of operation allows accurate edging by almost any operator. Production can exceed 2 feet per minute but varies with the hardness of the material.

FAST ◆ **AUTOMATIC** ◆ **CONSISTENT**

- ◆ *Tile Edge Units (3)*
- ◆ *Automatic, variable speed conveyor system*
- ◆ *Bevel/eased bit coarse (2), ex fine (1)*
- ◆ *Transporters (4 ea 12", 4 ea 12/18", 2 ea 24")*
- ◆ *Water recycling containers, pump, coolant distribution system, valves, hose connection*
- ◆ *Electrical distribution system (not shown) connectors, plugs, ground fault circuits (115v @ 50 Amps required)*
- ◆ *9' long, 32" wide, 38" to tile, 600 lbs*



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Transporter

The tile is firmly held in a patented carrier that compensates for any variation in material thickness. The transporter consists of three plates. The bottom plate has two runners that travel in parallel grooves past the stationary profiling heads. This produces perfectly straight, ninety degree edges. To run through the system, the tile is inserted between the top two plates until the rear edge of tile contacts the fence. It is then raised and locked into position, firmly under the top plate, with the camlock handles. This step allows the tile to be profiled using the top as the level reference.

Conveyor

A variable speed conveyor (up to 1 ft. per 30 seconds) moves the transporter past the three diamond bits at a constant speed. This allows the operator to predetermine the speed rate to match the material hardness. Softer stone and tile can move through the system at a faster rate than hard granite or porcelain.

Diamond Router Bits

The system has three diamond router bits that process the edge to a near polish. Position 1 Bevels away the majority of the material, position 2 profiles a 3/8" radius and position three produces an extra fine finish. All the bits are a double shape, a bevel and a bullnose. As the bits wear, positions one and two may be switched to extend their useful life.

Coolant Recycling System

A self contained three step coolant recycling system delivers coolant directly to the diamond router bits. The slurry is collected in two pallet bin containers with the majority of the slurry in container one. Pump interconnections permit water removal (approximately 5 minutes).

System Structure

The Tile Pro III is mounted on an aluminum "U" channel for ultimate stability. A precision base and precision transporters assure flatness and shape accuracy. The total system is may be moved with a forklift.

Electrical Distribution System

All the outputs for each power unit are protected by individual GFCI connections. A 115V/60HZ/50Amp circuit is required.