

Procedure for cutting out the round boards from a square panel.

1. First coat both sides of the panel with one layer of clear mailing tape, (to protect the boards from getting scratched up in cutting/sanding).
2. Using the "tile cutter" in the basement electronics shop, see Dave Collins. Cut the boards out of the tile into squares, not coming much closer than about 1/8" to the final edge, since some minor splitting of the fiberglass, occurs near the cut edge.
3. Now cut the 4 corners off of the square board, using the "tile cutter", again, not going too close to the final edge.
4. Now cut the 8 corners off of the board, using the "tile cutter" again, not going too close to the final edge.
5. Now, you can either cut the corners off one more time with the "tile cutter", if you feel it will help, or you can begin sanding the edges, using the small belt sander, (also in the same room).
6. Sand the boards by slowly turning them against the sanding belt, going around several times, taking off a little bit more each time, until you reach the final edge that is specified, being very careful not to sand in too far!

(Note: on the smallest board, sanding should be done a little slower, since it can heat up more, causing some of the tape to get slightly melted at the edge, if you sand too fast.)