

## The World's Simplest Electrostatic Machine

This is a really simple project that can be made in very little time with materials that you can find around you. The effect is powerful enough to prove the production of electrostatic electricity by friction giving you some sparks and little shocks.

	<p style="text-align: center;"><b><u>Materials</u></b></p> <ul style="list-style-type: none"><li>- Plastic cutting board</li><li>- Aluminum foil</li><li>- Electrical tape</li><li>- Stick glue</li><li>- A soft cloth</li></ul>
	<ul style="list-style-type: none"><li>• Cut the Aluminum foil in a piece enough to cover the major part of the cutting board leaving about 1/2" on both ends uncovered.</li><li>• Glue the cut Aluminum foil over one side of the cutting board, making sure it is stretched.</li></ul>
	<ul style="list-style-type: none"><li>• Cover the borders of the Aluminum with Electrical tape. You can cover the four borders or just the smaller two.</li></ul> <p style="text-align: center;"><b>IS THAT SIMPLE ! YOUR ELECTROSTATIC MACHINE IS READY!</b></p>

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### *Testing the machine:*



To operate the machine hold the cutting board with one hand and rub the surface without Aluminum using the soft cloth.



While rubbing touch the Aluminum foil with one finger of the hand that is holding the board.

Just touch and release one time while still rubbing, then apart the cloth and your machine will became charged.



If you touch the Aluminum with a Neon lamp you can see it brights for a second.

Touching the Aluminum part with your finger you will fell a little shock and touching with an round metallic object you can see a small spark.

Hint : If you have trouble operating the machine and think it is not working , it is probable because humidity: blown hot air over the board and cloth, then try again.

Enjoy it!