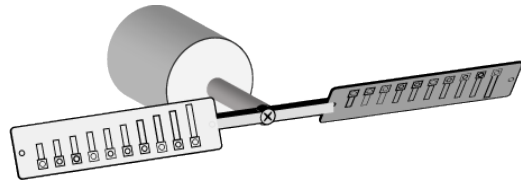


Spark :|: 2007 :|: ITFI53

## viento armónico

sound installation



A small motor spins reed plates from a harmonica like a fan. Random fluctuations in the speed of the motor accentuate different pitches of the harmonica.

### How it works:

The lower pitches of the harmonica plates vibrate using less air than higher pitches. As the motor spins the plate slowly we hear the lower part of the scale and as it speeds up we notice the higher frequencies emerge. The speed of the motor is controlled by a random timing circuit so the actions (outcomes) of the piece are always different.

### :|: Technical/Space Requirements :|:

The piece displayed in the video measures 12-1/2" x 11" x 8" (317.5mm x 279.4mm x 203.2mm). It is possible to expand the installation size from the single piece shown in the video with the addition of more fans. It can exist in any number of configurations with different musical keys for each fan. Each piece will vary in size. A final configuration will be determined based on requirements of the installation space. *Viento armónicos* are to be placed on appropriately sized podiums or tables waist to chest high for ease of viewing and listening. Power (110V) is needed for each individual object.

A space with little to no sonic interference from adjoining spaces to allow for the full effect of the sound is optimum. Comfortable seating within the gallery space allows for those who wish to experience the sound for a longer period.

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