OPITEC

109.058

Easy-Line
Solar fan with pre-drilled acrylic stand

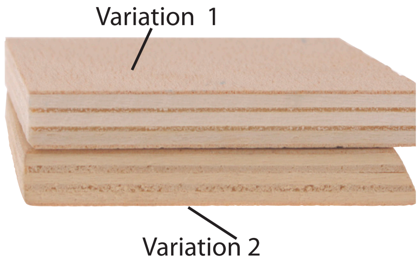
Please Note
The OPITEC range of projects is not intended as play toys for young children.They are teaching aids for young people learning the skills of Craft, Design and Technolo- gy. These projects should only be undertaken and tested with the guidance of a fully qualified adult. The finished projects are not suitable to give to children under 3 years old. Some parts can be swallowed. Dan- ger of suffocation!

Necessary tools:

Wood file, Sandpaper,
Crosshead screwdriver
Combination pliers

PARTS LIST			
	Part	**Size in (mm)**	**Teil-Nr.**
Plywood	1	80x70x10	1
Acrylic pre-drilled	1	115x80x3	2
Solar cell 0,5V	1	75x45	3
Propeller	1		4
Solarmotor RF 300	1	ø 24	5
Screws (metal fixings)	2	2,9x9,5	6
Screws (crosshead)	2	2,9x13	7
Drawing pins	2		8

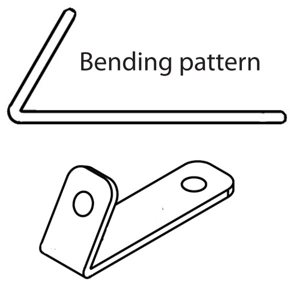
INSTRUCTIONS



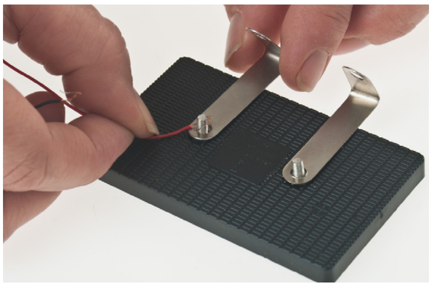
1. Variation 1 The base (1) can be used as it is.

   Variation 2: The base-plywood (1) can be chamfered on one edge (80mm) ca. 30° angle.

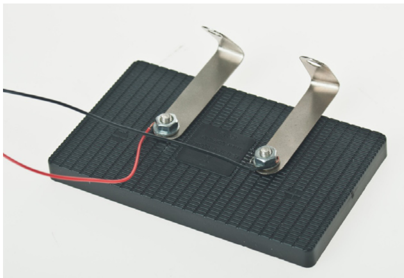
2. The pre-drilled, Screw the trapez form acrylic sheet (2) with the screws (8) to the edge of the ply-wood base as shown in photo 2



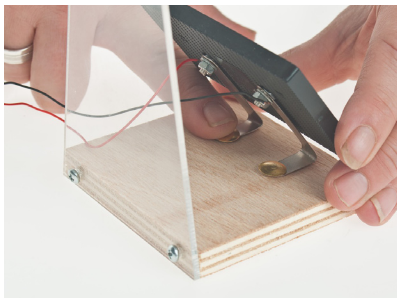
3. Take the holed metal strip and bend them to 30 degrees with combination pliers as shown in the diagram.



4. Mount the metal strips on the contact points of the solar cell (3) Take the wire leads from the motor (5) and twist them around the contacts.

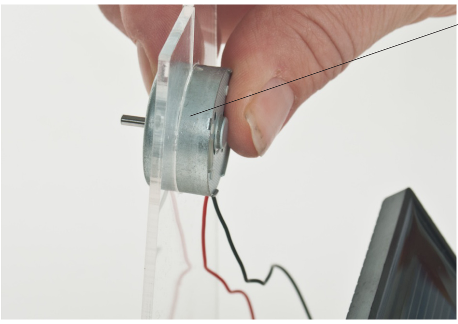


5. Fix the wires and flat strips to the back of the solar cell with the nuts.



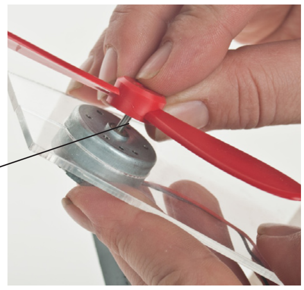
6. Fit the solar cell to the plywood using the two drawing pins (8).

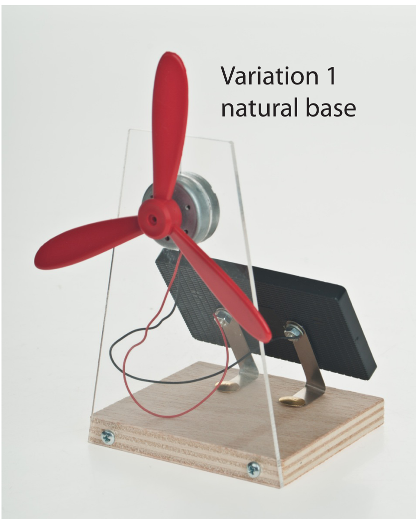
   The solar cell can also be mounted on the plywood sheet using the screws supplied (6).



7. Insert the motor in the pre-drilled hole in the acrylic sheet. (See photo)

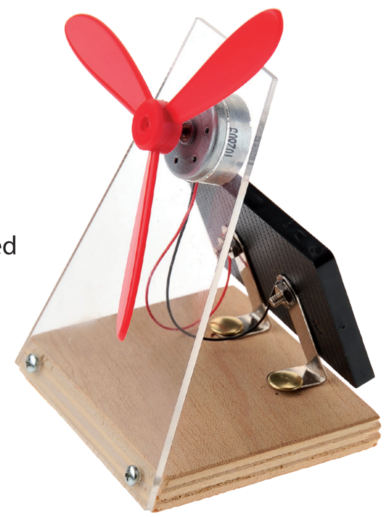
8. Slide the propeller (4) on the motor shaft.





9. The solar fan should work in sunny weather or from a bulb (At least 60 Watt)

Variation 2
With chamfered base



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