

# 静電気を作ろう

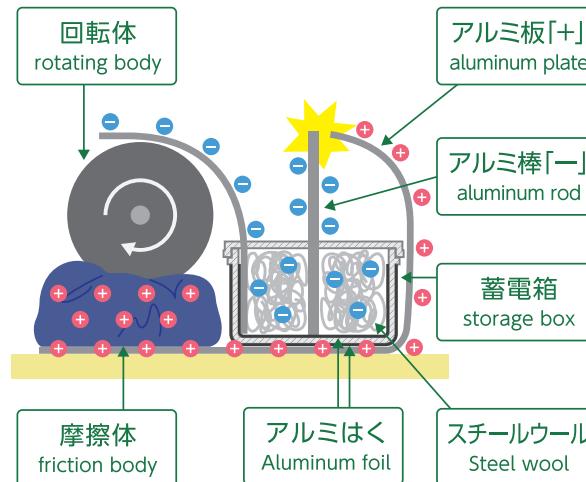
摩擦式のエレキテル模型で原理を学びましょう。回転体と摩擦体の材質が違う物が、こすれば静電気が生まれます。この場合は回転体に「-」が、摩擦体に「+」の静電気が発生し、回転体の表面から「-」を集めて蓄電箱に蓄えています。電気の量が十分になると、蓄電箱より伸びたアルミ棒「-」と摩擦体につながったアルミ板「+」との間に火花放電が発生します。

## 【体験のやり方】

写真の赤い矢印のアルミ板とアルミ棒の間を観察しながら、ハンドルを持って10回くらいまわしてみましょう。

## [エレキテル模型]

friction-type static electricity generator model



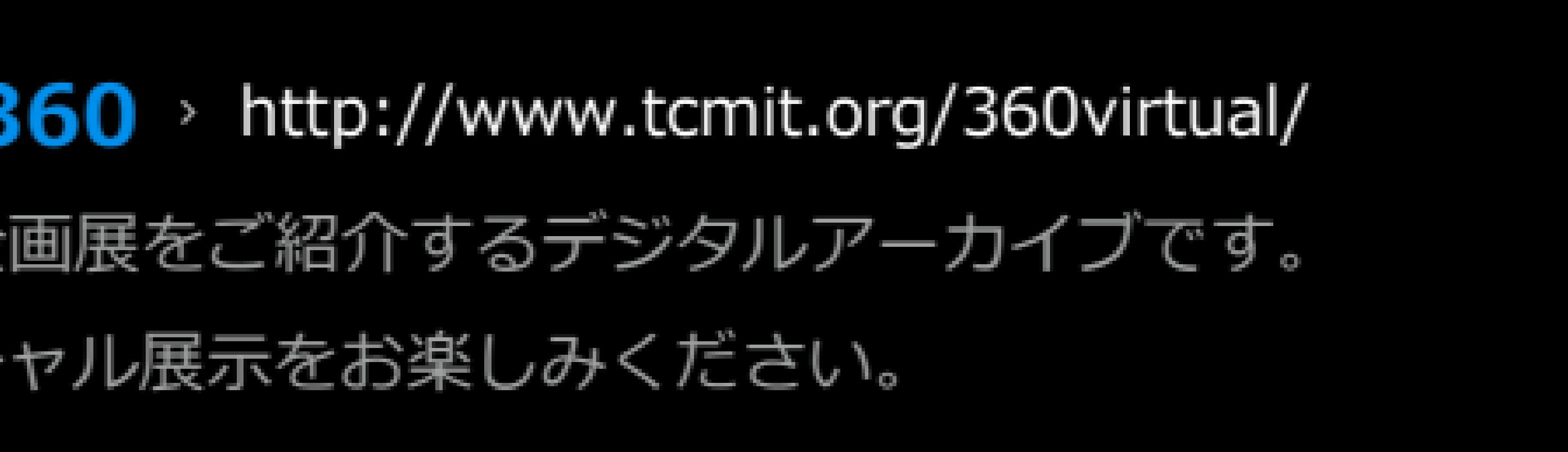
Let's generate static electricity.

Let's learn the principle of static electricity with a friction-type static electricity generator model. Because the rotating body and the friction body are made of different materials, rubbing generates static electricity. In this case, “-” static electricity is generated on the rotating body and “+” static electricity is generated on the friction body. The “-” static electricity is collected from the surface of the rotating body and stored in the storage box. When enough electricity is generated, a spark discharge occurs between the “-” aluminum rod extending from the storage box and the “+” aluminum plate connected to the friction body.

## [How to Try It]

Turn the handle about 10 times while observing the gap between the aluminum plate and the aluminum rod, indicated by the red arrow in the picture.

# 館内企画展アーカイブ バーチャル展示室



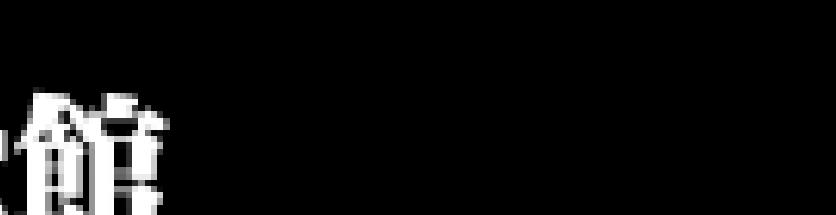
— 60 —

100% **天然** 素食

dwright(C) Toyota

# 新編上野三刀流

## Commemorative



Industry and Technology