

# Lexus SLIDE hoverboard makes appearance

Lexus has unveiled a real, working hoverboard, similar to one featured in the 1989 movie *Back to the Future Part II*\*. The *SLIDE*, a skateboard without wheels, allows a rider to hover millimetres off the ground

## SMOKE AND MIRRORS

Company commercial appears to show hoverboard levitating above concrete surface of skatepark

## SLIDE

## Bamboo surface

①

In reality, SLIDE can only levitate while riding over magnetic track

②

## Cryostat reservoirs:

Superconducting material immersed in liquid nitrogen kept at  $-197^{\circ}\text{C}$

Liquid nitrogen vents

## Magnetic track:

Hidden under wooden structure, painted to look like concrete

## Magnetic field:

Permanent magnets in track effectively "frozen" into superconductors in board – allowing board to hover

Professional skateboarder **Ross McGouran** rides SLIDE in scene from promotional video

