



Chip-In-Ball Technology to Make Handball Decisions Easier

Recently, **Adidas** has introduced a **microchip** in the **official ball** for **Euro 2024** to aid referees in making handball decisions during the tournament.

- The microchip, which is **rechargeable**, can send **precise ball data** to video match officials in real-time, and will be used in conjunction with **limb-tracking technology** to help determine whether there has been a handball in the lead-up to a goal.
- The microchip installed in the 'Fussballliebe', the official match ball of the Euros, will work in tandem with **limb-tracking technology** to create **real-time 3D visual** representations of **players' skeletons**.
- According to the law set by the International Football Association Board (IFAB), it's a handball if a player "touches the ball with their hand/arm when it has made their body unnaturally bigger.
- The technology will also be used to produce faster **offside decisions**, and will contribute to the Union of European Football Associations (UEFA)'s **Video Assistant Refereeing (VAR)** decision-making process.
 - The VAR will use the data from the device to create an image that accurately establishes the **point of contact** of the ball with the body.
- The chip also allows the technology to determine the exact time the ball was kicked, which will provide an accurate result when it comes to offside decisions.

Read More: [Semi-Automated Offside Technology](#)

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