TSITOUCH

OBJECT RECOGNITION TABLES

Object recognition technology transforms traditional touch tables into next-level interactive experiences, allowing users to place physical objects on the screen to trigger custom digital responses. This advanced technology is ideal for engaging, educational, and brand-driven experiences where users can interact with real-world elements.

FEATURES

- **Advanced Object Recognition:** Utilizes patented AI-driven Scape X® technology to accurately detect and interpret multiple objects placed on the touch surface.

- **High-Performance Multi-Touch:** Supports over 100 simultaneous touch points, enabling rich multi-user interactions.

- **Seamless Integration:** Communicates using the standardized, open-source TUIO protocol and API, facilitating easy integration with existing systems.

- **Personalized & Interactive Experiences:** Enhances retail, museums, and product showcases by linking physical products with digital information.

- **Physical-Digital Integration:** Recognizes specific objects like pucks or tags when placed on the surface, triggering custom responses, animations, or content interactions. Also featuring the world's first transparent objects, allowing for innovative and visually appealing applications.

- **Future-Proof Technology:** Built on scalable and upgradable platforms to accommodate evolving technological needs.

OBJECTS

Tags: Small, embedded chips (such as NFC or RFID) that store data and allow for easy identification when placed on an interactive surface.
- Dimensions: 48mm x 1.75mm
- Invisible or Visible (sets of 12)
- Visible - sets of 12
- Up to 24 different IDs

Stickers: Printed capacitive patterns or QR codes that can be attached to objects for quick and cost-effective recognition.
- Dimensions: 48mm
- 24 different ID stickers per sheet
- Sold in sets of 1 sheet, 10 sheet, and 100 sheets

Magnify: Vision-based recognition that enlarges and analyzes object details using AI-enhanced image processing.
- Dimensions: 193mm x 15mm
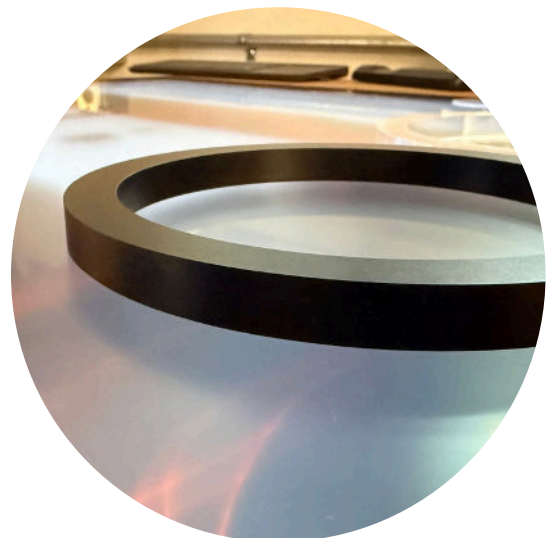- Invisible or Visible
- Up to 2 different IDs

Shape: Recognizes objects based on their physical form and contours, allowing interaction through unique geometric profiles.
- Invisible or Visible (sets of 6)
- Up to 24 different IDs

APPLICATIONS

Adaptable to various industries, including retail, education, and corporate sectors.

- **Retail & Showrooms:** Customers place product tokens on the table to explore features, pricing, and variations — ideal for luxury goods, automotive, and furniture.

- **Education & Training:** Students interact with physical markers to launch lessons, quizzes, or simulations — enabling hands-on, collaborative learning.

- **Hospitality & Tourism:** Guests can explore local attractions, restaurant menus, or hotel services by placing object tokens on the table in lobbies or lounges.

- **Museums & Exhibits:** Visitors use object markers to trigger stories, 3D models, or interactive timelines tied to artifacts and exhibits.

- **Healthcare:** Patients or staff place tokens to access wellness content, interactive anatomy demos, or training modules — great for waiting areas or educational spaces.

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