Thinker Co., Ltd.

Company Description

Substantially expanding the scope of use for robot hands

Pre-Touch Sensor TK-01 contains an infrared diffuse emitter and receiver, which enables the detection of objects that have been difficult to recognize with conventional image technology or optical sensors. With the ability to handle objects that formerly posed a challenge for robot hands, such as transparent, mirrored, and unsorted items, these features open up the possibility of implementing robot hands in new applications, areas, and work sites with very promising outlooks.

Robot teaching made simple

Pre-Touch Sensor TK-01 can measure the distance and shape of an object in detail and with high accuracy. This allows the robot hands to be operated with rough teaching because the fingertip position can be fine-tuned according to the situation. Not only does it reduce the operational workload of SIers and on-site workers, but it also contributes to cost reduction by shortening the time required to switch settings to accommodate multiple product types and variations in shape.

Company Details

Head Office
Japan

Main Business
近接覚センサーを応用した今までにないロボットセンサーの事業化

President
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Established
2022年8月12日

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