



## Similar Robots Penalty Statement

For the similar robot evaluation and judgment, the MakeX Robotic Competition Committee has set up an Evaluation Committee of Similar Robots with judges as core members to take photos of each participating robot and make comparative analysis during the Inspection Stage.

### Similar robot suspicion:

In any stage of the competition, if the participating robots are identified as suspect by the committee, or reported by other teams and relevant personnel, they shall be subject to the similar robot review.

The reporter shall inform the Evaluation Committee of Similar Robots of the names and ID of the two teams with the suspicion, and the similar robots shall enter the review process.

The behavior of the contestants shall conform to the spirit of the MakeX Robotic Competition, and it is not allowed to report the opponent or other teams maliciously.

Violators will be disqualified.

### Similar robot review:

The robot is divided into five parts: launching structure, transmission structure, receiving structure, clamping structure, and the other structures. Each part shall be reviewed from the aspects of structural parts, electronic parts & procedures.

Evaluation dimensions of structural parts: Overall shape of structure, Type and

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Model of Structural parts, Position (relative to other parts, relative to the geometric center of chassis), Number of Structural parts.

Evaluation dimensions of electronic components and programs: motor Interface and connection method, number of program lines, type of statement block (in mblock), arrangement order of Statement block.

Scoring standard: four evaluation dimensions of structural parts, electronic parts& procedures are combined with five dividing structural parts to score, with a score of 1-5 for each small direction.

1 = identical or extremely similar, 2 = high similarity, 3 = medium similarity, 4 = low similarity, 5 = completely different or very low similarity.

The full scores of structural parts, electronic parts and procedures are 100 points respectively. If there is no corresponding structure, it will be recorded as the average score of other parts. If the total score of any aspect is lower than 60, it will be judged as the similarity. If the total score of the two aspects is higher than or equal to 60, it will be judged as different.

**Special circumstances:** If the program submitted by the team to the MakeX Robotic Competition Committee is obviously inconsistent with the function and realization method that the robot can realize, the team will be disqualified directly.

### **Similar robot judgment**

If the members of the Evaluation Committee of Similar Robot decide that the robot does not have the same identity, the robot and the relevant teams will not be affected.

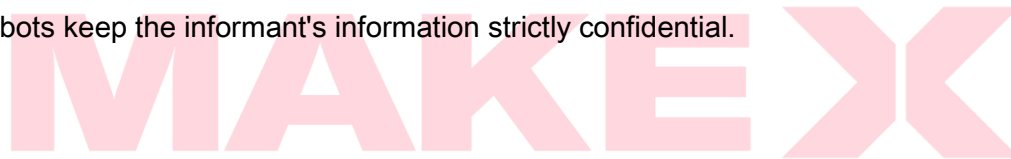
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If the Evaluation Committee of Similar Robots determines that the robots are identical and the punishment occurs before the start of qualifying rounds, the relevant teams need to modify the robots within a limited time until they pass the evaluation, otherwise, the qualification will be cancelled.

If the Evaluation Committee of Similar Robots determines that the robots are identical and the penalty occurs after the start of qualifying stage, the relevant teams will be disqualified directly.

**Statement:**

The MakeX Robotic Competition Committee and the Evaluation Committee of Similar Robots keep the informant's information strictly confidential.



The MakeX Robotic Competition Committee and the Evaluation Committee of Similar Robots declare that they will keep the construction scheme of the participating robots strictly confidential and will not distribute them in any form (photos, videos, etc.) without authorization.

MakeX Robotic Competition Committee

