What is claimed is:

1. A marking robot system comprising:

a marking robot including a printer performing mark printing, an actuator to which the printer is attached and which is capable of moving the printer, a movable body that has the printer and the actuator mounted thereon and is moved, and a main body control unit controlling the printer, the actuator, and the movable body;

a tracking-type three-dimensional measurement device that measures a position of the marking robot and transmits a position measurement result to the main body control unit; and

a control operation unit communicating with the main body control unit to instruct the main body control unit to perform a marking process by transmitting and receiving information to and from the main body control unit,

wherein the main body control unit has a function of transmitting and receiving information to and from the tracking-type three-dimensional measurement device and the control operation unit and stores marking information composed of basic marking information and editable information corresponding to the basic marking information,

the control operation unit acquires the marking information, displays an editing screen for an operator to edit the editable information, generates customized marking information on the basis of an operation result on the editing

screen, and transmits the customized marking information to the main body control unit, and

the main body control unit performs the mark printing on the basis of the customized marking information,

the editable information includes at least information of either arrows or characters, and

the control operation unit determines whether the lines included in the basic marking information overlap with the characters, and if it determines that the lines included in the basic information overlap with the characters, displays a message on the editing screen indicating that an overlap occurs and allows a user to select whether to prioritize the lines or characters, and if the control operation unit prioritizes the characters, perform a process of filling a background of the character with white.

2. The marking robot system according to claim 1,

wherein the marking information stored in the main body control unit is downloaded through a storage medium.

3. The marking robot system according to claim 1,

wherein the marking information is downloaded from an external device storing the marking information through a communication line.

4. The marking robot system according to claim 1,

wherein the control operation unit has a function of adding an image captured by a built-in camera as a portion of the editable information.

5. The marking robot system according to claim 1,

wherein the marking robot system has a function of enlarging or reducing a size of a mark printed by the mark printing on the basis of the basic marking information.

6. The marking robot system according to claim 1,

wherein the marking robot system has a function of changing a direction of the mark printing with respect to a wall and performing the mark printing when performing the mark printing in the vicinity of the wall.

7. A method for controlling a marking robot system including a marking robot that has a printer mounted on a movable body and performs mark printing on the basis of marking information using the printer, a tracking-type three-dimensional measurement device measuring a position of the marking robot, and a control operation unit transmitting information for controlling the marking robot, the marking information being composed of basic marking information and editable information corresponding to the basic marking information, the method comprising:

displaying an editing screen on the control operation unit on the basis of the marking information;

causing the control operation unit to generate customized marking information on the basis of an operation result on the editing screen; and

causing the marking robot to perform the mark printing on the basis of the customized marking information, the editable information includes at least information of an arrow or characters, and

the control operation unit determines whether a line included in the basic marking information overlaps with the characters, and if it determines that the line included in the basic marking information overlaps with the characters, a screen display indicating that an overlap occurs is displayed on the editing screen, allowing the user to select whether to prioritize the line or the characters, and if the control operation unit prioritizes the characters, performing a process of filling a background of the character with white when the character is to be prioritized.