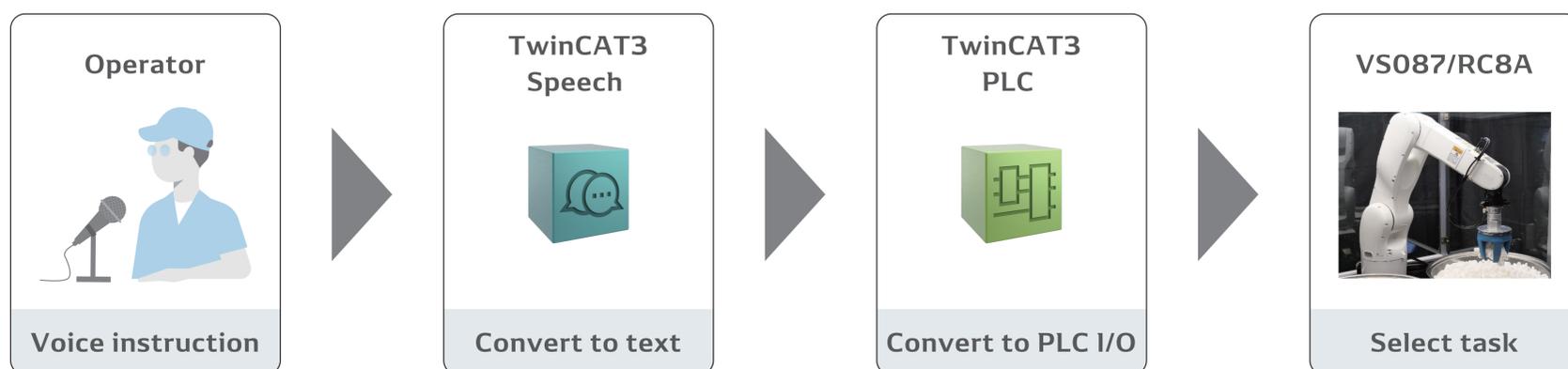


# Direct Robot Control via Voice Recognition

- The TwinCAT3 Speech voice recognition function converts voice commands registered in advance to I/O in TwinCAT3 PLC and gives robots instructions. Communication with people via voice recognition is effective in situations where a teaching pendant or control panel cannot be used.

## Simplification with Voice Recognition

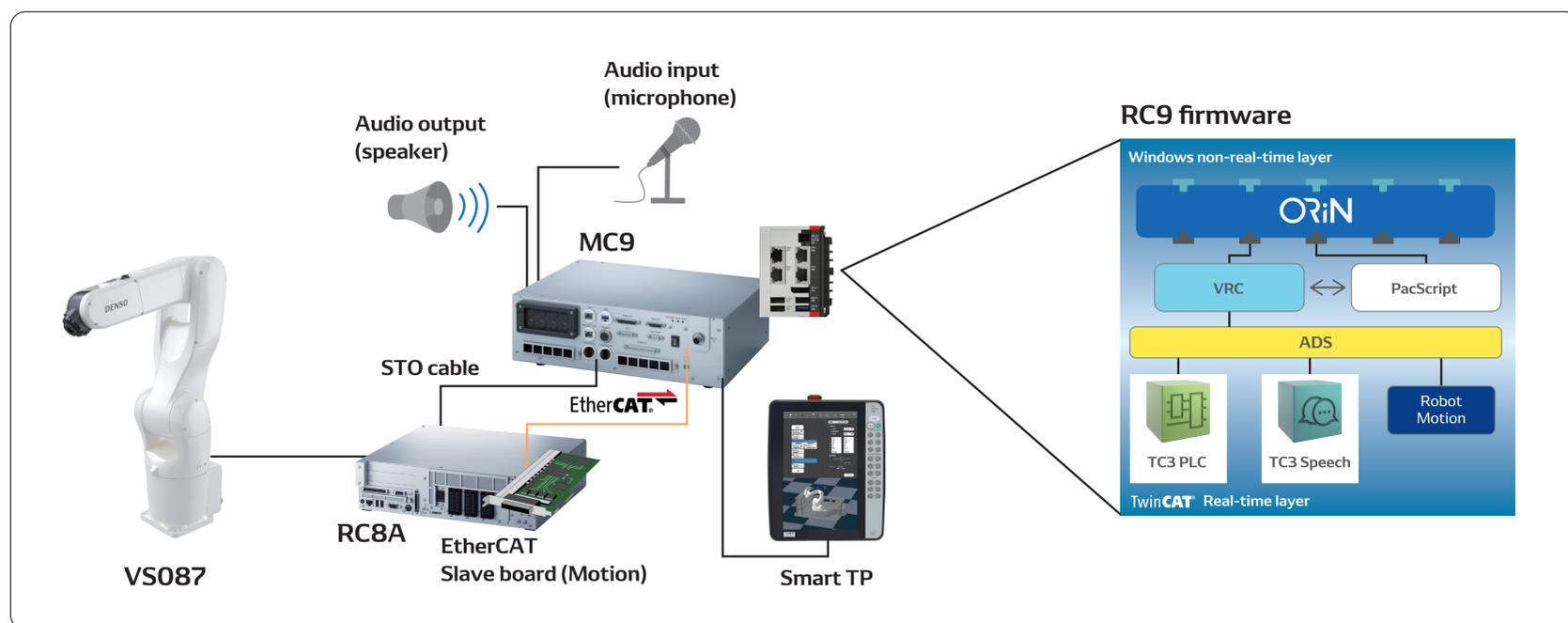
A person gives voice instructions to the robot.  
 The robot informs the person of its status via speech synthesis.  
 Making communication between people and robots easier lowers the hurdle of robot adoption.



## Improved Workability with Voice Recognition

Communication with people via voice recognition is effective in various situations, such as in processes where the operator is prevented from directly touching a teaching pendant or control panel or when the operator wants to give the robot an interrupt instruction but both of their hands are full

## System Configuration



### 当デモ機の音声コマンド

Voice command	Description of operation	Voice command	Description of operation
Start operation	Starts demo operation	Unchuck	Unchucks the hand
Stop operation	Stops demo operation	Up	Moves the retrieval position up
Move to home position	Moves to the home position	Down	Moves the retrieval position down
Retrieve from right	Retrieves workpieces from the basket on the right side	Right	Moves the retrieval position to the right
Retrieve from left	Retrieves workpieces from the basket on the left side	Left	Moves the retrieval position to the left
Mix	Mixes the workpieces in the basket	Forward	Moves the retrieval position forward
Chuck	Chucks the hand	Back	Moves the retrieval position back