

Medical and Pharmaceutical Robot VS-050S2 Series

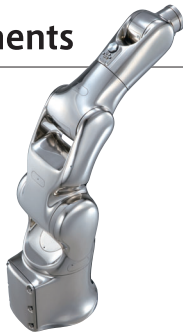
Contributes to automation of medical product/device manufacturing and drug preparation



Maximum reach	520mm
Maximum payload	4kg
Cycle time	0.35 sec

Resistant to sterile environments

Robot for use in sterilized/clean environments that employ H₂O₂ gas 35% density(dry/wet), UV exposure, etc.



Resists Contamination

The smooth surface prevents adherence of dust and dirt. The robot arm is constructed without external screws to maintain a high sanitation level.

Cleanness: ISO Class 5
Protection level: Wrist IP67, Unit IP65



Authentication

- Design compliant with GMP* (product management and quality control standards) * GMP Grade A
- cUL certified product (UL standard/Canada CSA standard) also available
- Hygiene proven through in testing by the Fraunhofer Institute (Report No. DE 1409-725)



Isolation (Suitability for sealed environments)

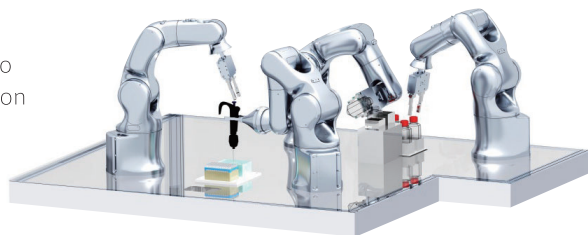
Cables and connector panels are positioned on the bottom for installation in sealed and quarantine environments.



Examples of Applications

Automation of cell culture

- Robots reproduce the movements of skilled workers accurately to realize the automation of high-quality cell culture without variation in quality caused by multiple workers.
- Use of robots prevents contamination by human workers and eliminates the possibility of workers' exposure to hazards to realize a clean and safe system.
- Human workers' manipulations of general-purpose apparatus, such as pipetting and cap opening, can be reproduced accurately.



Scan for a video of an automated cell culture system

