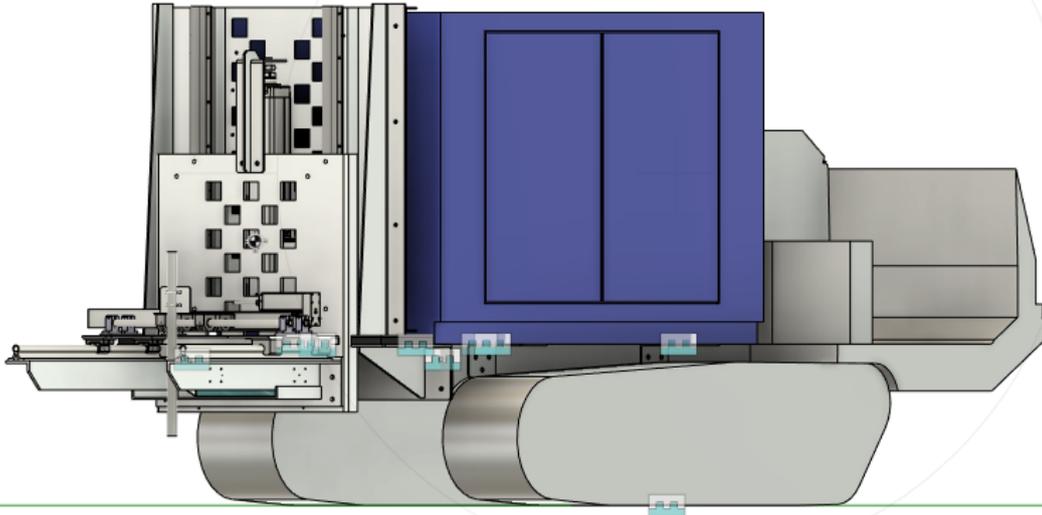


Technical Specifications (DMRobot-7)

IOS. Inc.
As of December 2024



Dimensions:

- During Transport: 3,680 mm (L) × 1,100 mm (W) × 1,860 mm (H)
- During Operation: 4,030 mm (L) × 1220 mm (W) × 1,860 mm (H)

1. Model

DMRobot-7 (Demining robot DMRobot version 7)

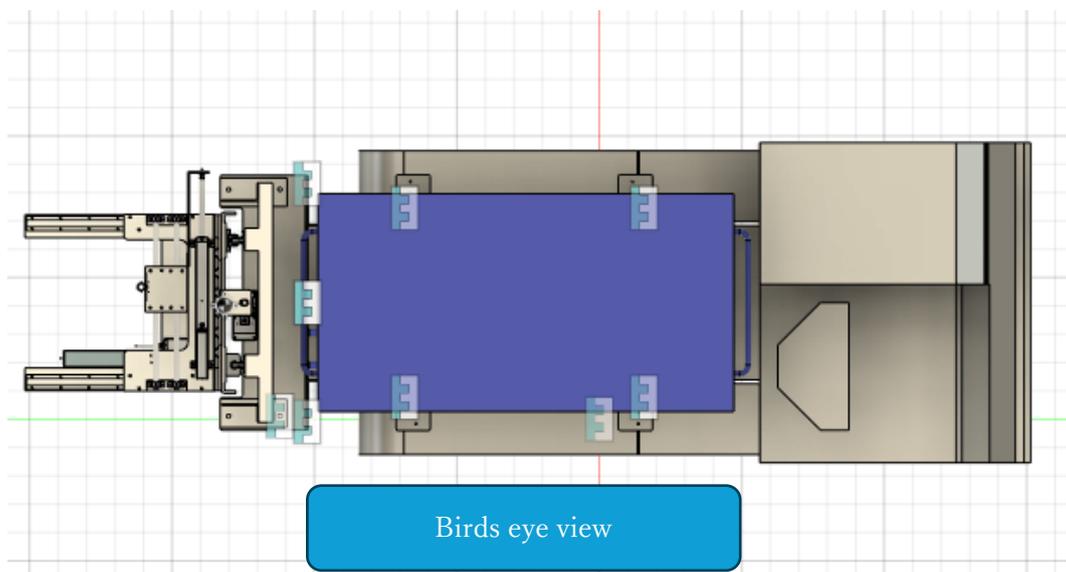
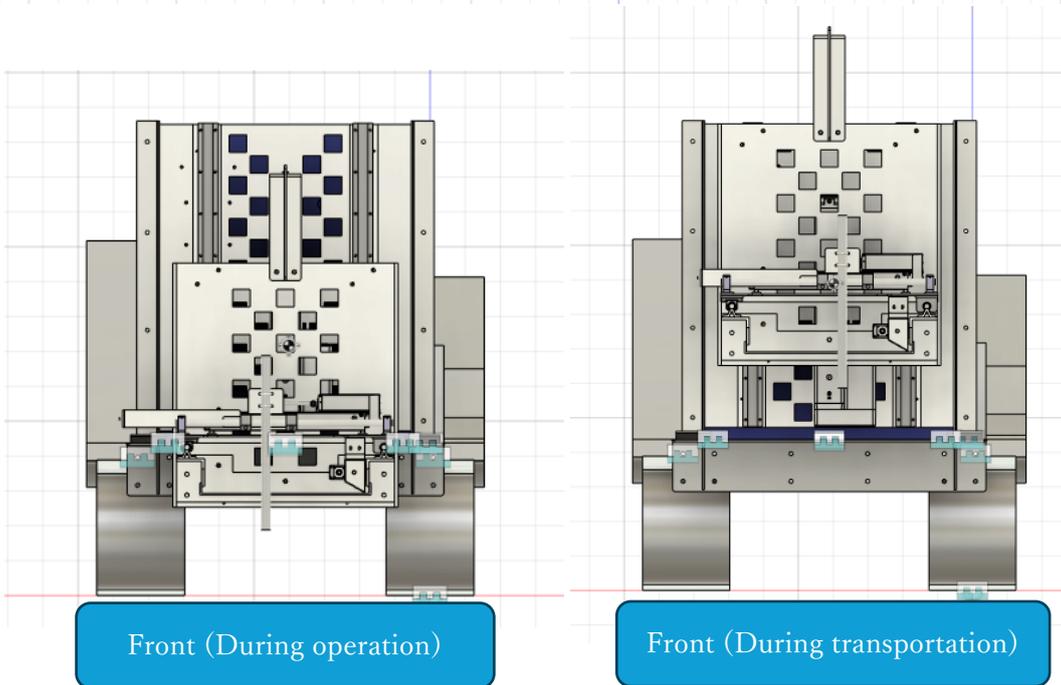
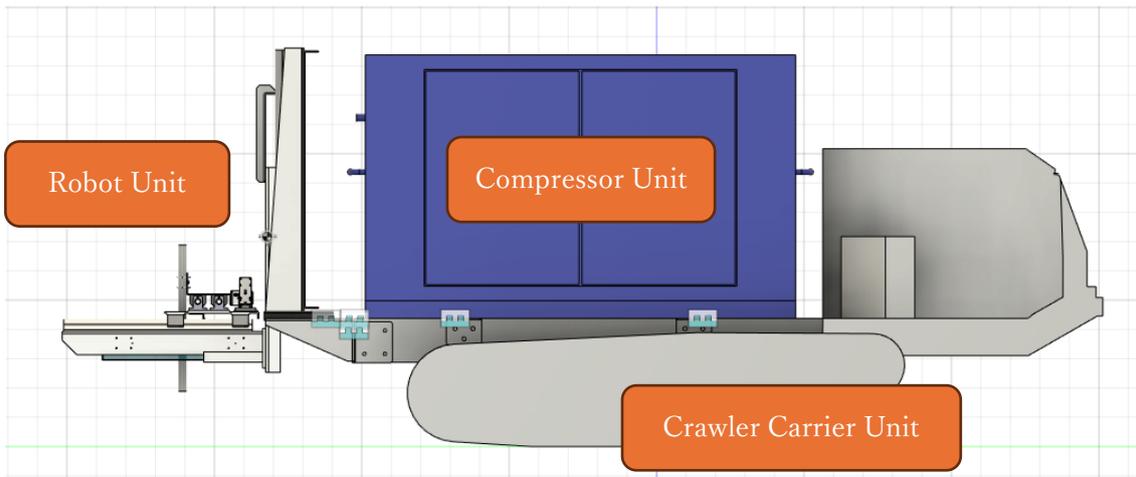
2. Overview

DMRobot-7 is a remotely operated demining robot designed to expose buried landmines using compressed air. It replaces hazardous manual operations involving prodder and shovel, thereby enhancing operator safety and improving work efficiency.

3. Key Features

- Soil excavation using compressed air nozzles (non-contact landmine exposure)
- Remote-controlled excavation operation (ensures operator remains at a safe distance)

- Built-in automated control program for excavation range
- Real-time operation monitoring via remote video camera
- Battery-powered and rechargeable system (Robot), diesel engine (air compressor, crawler carrier)



5. Specification Table

| Item | Description |
|------------------------------------|--|
| Product Name | DMRobot |
| Model | DMRobot-7 (Demining robot DMRobot version 7) |
| Application | Non-contact exposure of buried landmines using compressed air |
| Excavation Range (3 Axis) | X axis (forward/backward): 350 mm, Y axis (left/right): 350 mm, Z axis (up/down): 400 mm |
| Robot Cylinder Structure | Electric Rod-cylinder |
| Control Tablet | Windows tablet (recommended) |
| Remote Camera | Fixed onboard camera |
| Power Supply | Rechargeable Lithium Iron Phosphate Battery (LiFePO ₄), 24V, 50Ah |
| Mobility Unit | Rubber crawler carrier |
| Crawler Load Capacity | 800 kg |
| Mobility Engine | Diesel engine |
| Operating Temperature Range | 0° C to +40° C |
| Compressed Air Unit | diesel-powered |
| Total Weight (Approx.) | 1,162kg (Dry weight) Approx. 1,200 kg (operating weight) |

Disclaimer

The illustrations provided in this document are for reference purposes only. Color reproduction and the accuracy of fine structural details are not guaranteed.

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