

MANTIS

The Future of Military Robotics

Highly Capable, Deployable, and Flexible

Mobile Automated Networked Tool Intelligent Spider (MANTIS) is a field-ready, modular, and collaborative robot that can be used in expeditionary environments.

AI/ML Autonomous Workflows

Networked systems, machine vision, and AI are combined to enable autonomous workflows for MANTIS along with machine tending and work-cell formation capabilities.

Articulating Robot Arm

Multiple joints and degrees of freedom on MANTIS's robot arm will enable it to provide a high level of precision and safety.

Co-bot Ready End-Effectors

The MANTIS can conduct automatic tool changing operations by selecting from a wide array of platform end-effectors.

Deployable

Designed to be easily sling-load deployable via ISU 90 containers, MANTIS enables the rapid setup of work cells commonly conducted in factories.

Remote Operation

MANTIS can be powered by solar or off-board generator power in the field.

Size

0.86 m x 1.04 m x 0.86 m
(34" x 41" x 34")

Weight

180 kg (397 lbs.)

Power

1 kW

Payload Capacity

120 kg (265 lbs.)

Additional Features

6 DOF Robotic Arm • 1300 mm (51.5") reach • 30 kg (66.13 lbs.) payload

Speed

16 kph (10 mph)



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