

Taurus

Modular Intuitive Dexterous Robotic System

Taurus is a tool developed for military and domestic bomb squads to address challenges presented when inerting explosive devices and removing hazardous materials.

Ease of Use – The intuitive interface enables effective use with minimal initial and recurring training

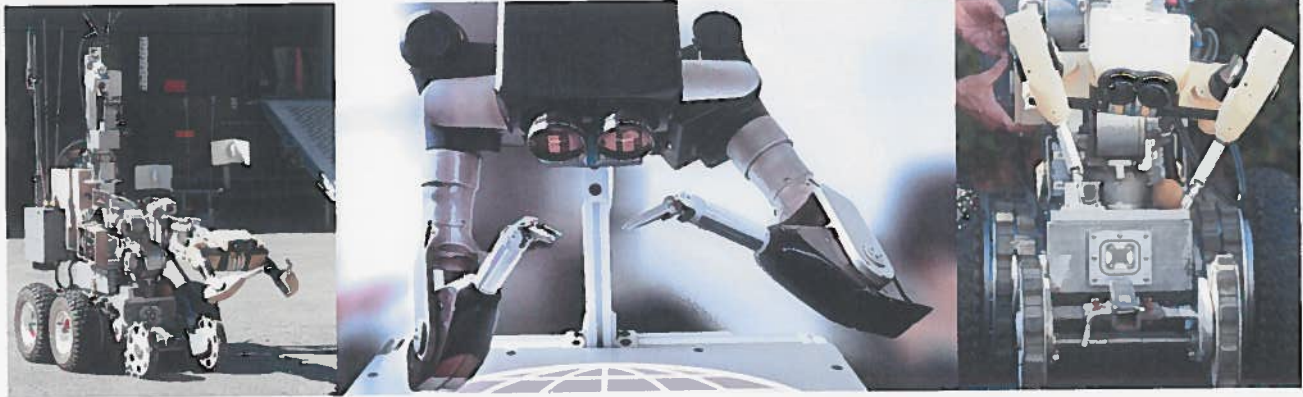
- Stereoscopic high-definition 3D immersive display with remote tilt, zoom and focus
- Natural alignment of hand motions to visual perspective

Dexterity – Unprecedented fine manipulation in two independently controlled manipulators, each with 8 degrees of freedom

Taurus is the only platform that provides the ability to remotely perform delicate manipulation tasks far beyond the capability of current ground EOD robotics systems. The lightweight, modular design allows users to customize Taurus to their operational needs.

Operational Features

- Multiple mounting options allow attachment to most EOD platforms
- Remotely mountable tool attachments to provide cutting, grinding, grasping, sampling, and remote electrical measurement (oscilloscope) functions.
- Integrate visible and IR lighting
- Video streaming and recording
- Large dexterous workspace and payload
- Manipulate external tools relevant to your operations
- Tolerant to communication link interruptions



Configuration Options

Operational Need	Display	Controls
Mobile Option	Stereoscopic laptop	Portable, low-cost, dual hand, 3D controls or dual haptic feedback 3D hand controllers
Fixed Installation	HD Stereoscopic desktop monitor or laptop	Portable, low-cost, dual hand, 3D controls or dual haptic feedback 3D hand controllers
Laboratory Precision	Immersive HD Stereoscopic Operator Control Unit (OCU)	Dual haptic feedback 3D hand controllers

Contact Us

SRI welcomes inquiries related to the sale of Taurus, R&D, licensing, joint ventures, entrepreneurs-in-residence, and venture and strategic funding.

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Preliminary Specifications

Mechanical	
Robot Weight	15 lb
Payload Weight	4 lb at full extension
Minimum Entry Porthole Size	14 in x 5.2 in
Operating Workspace	42 in x 33 in x 33 in
Robot Width, Compact	15 in
Gripper Range, Actuated	1 in
Cutting Force	24g wire
Average Power	60 W
Battery Life	7 hr
Communication Link	Copper, fiberoptic, RF
Positioning Resolution	0.005 in

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