

# ***ACCELERATING OUR FUTURE IN SPACE***



Chris Butler  
TecMasters  
Microgravity Science Glovebox (MSG)



# Microgravity Science Glovebox (MSG)

- The MSG is a research facility located in the Destiny module on the ISS.
- MSG provides two levels of containment with an enclosed work volume held at a negative pressure with respect to the crew living area.
- The facility provides resources (power, data interfaces, video system, nitrogen, vacuum) to investigations.
- Experiment hardware can be operated either by the crew or by ground-based investigator through real-time data links.



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# MSG Facility

## Removable Side Ports

16" diameter on both Left and Right sides for setting up hardware in Work Volume

## Glove Ports

Four identical glove ports are located on the left and right side loading ports and the front window

## DC Power Switching And Circuit Breakers

## Stowage Drawers

## Video System Drawer



## Front Window Glove Ports

Four 6" diameter glove ports can be fitted with any of three different sized gloves or blanks

## Core Facility

Retractable Core Facility includes the Work Volume, Airlock, Power Distribution & Switching Box, and the Command and Monitoring Panel

## Airlock

Provides a "Pass Through" for hardware to enter the Work Volume without breaking Containment. The lid of the Air Lock opens up into the floor of the Work Volume

## Stowage Drawers



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