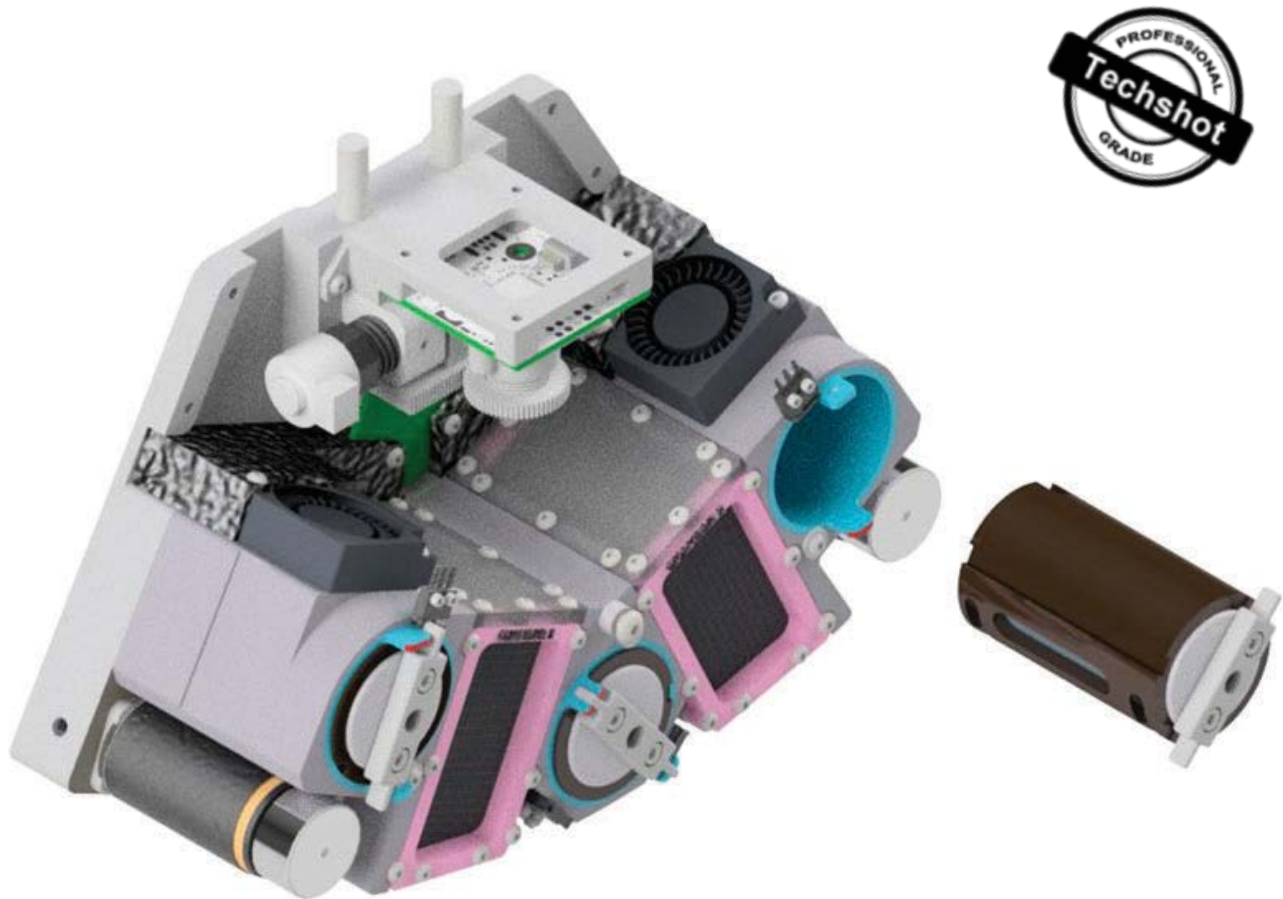
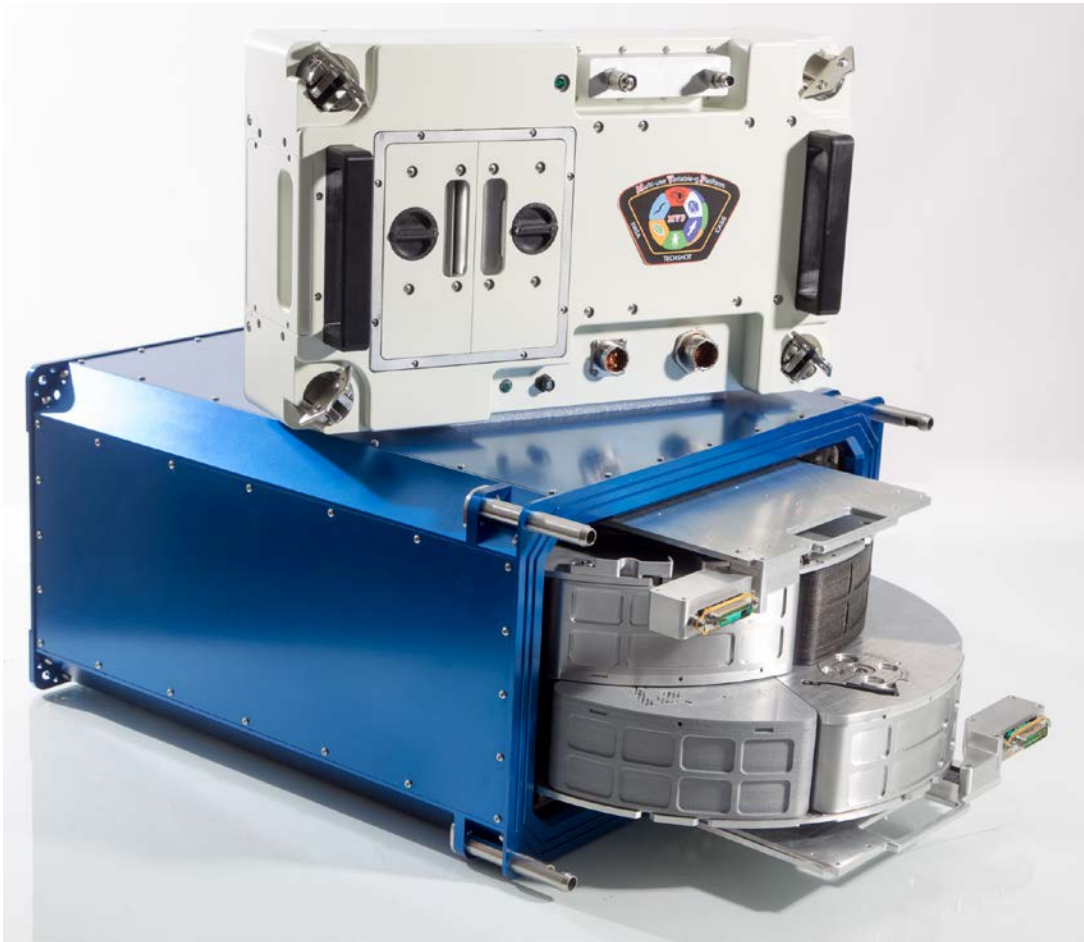


Drosophila Space Experiment Module



- Multi-generation *Drosophila* research experiments in space
- Techshot takes care of all NASA paperwork required to fly flies
- Color and IR video observation
- White and IR lighting
- Programmable day/night cycles
- Nominal experiment duration: 21 days (extensions possible)
- 0 – 2 g gravity control available
- Up to 12 separate simultaneous experiments per mission
- Operates aboard the International Space Station inside the Techshot Multi-use Variable-gravity Platform (MVP)



The Techshot Multi-use Variable-gravity Platform (MVP)

MVP

- Dual 390 mm rotors, simultaneous 0-2 g
- Thermal control
- Humidity control
- 12 sample modules, each with video capability
- *Drosophila*, *C. elegans*, plants, fish, protein crystals
- Cell culturing (adherent and suspended)
- Rotors and sample modules removable on orbit.
- Launching to the International Space Station in 2017