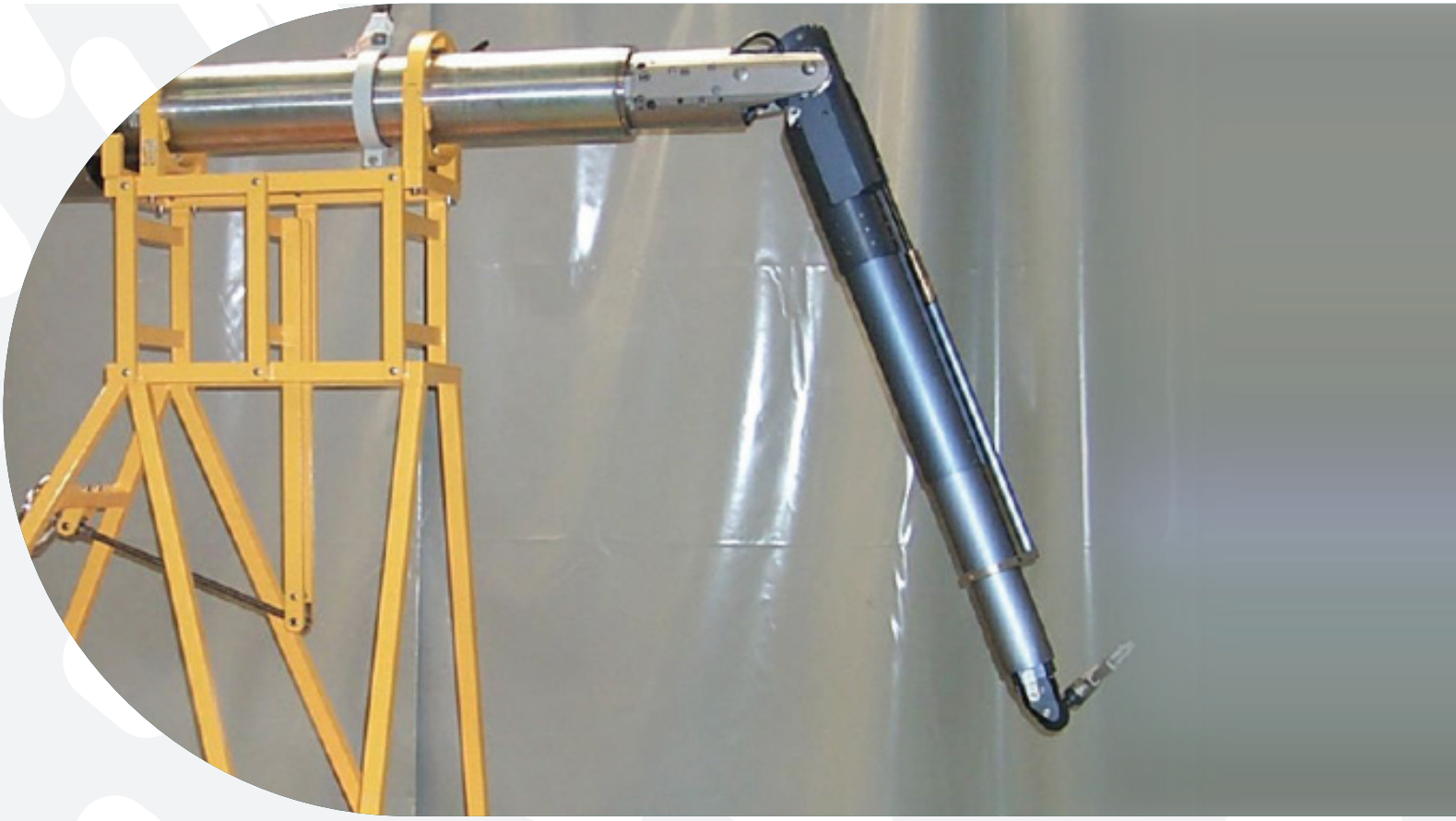
NUVIATECH AUTOMATION

SOLUTION

NuPYTHON - High-Radiation Resistant Robotic Arm



NuPYTHON is a high-radiation resistant, electrically powered and electrically controlled robotic arm capable of performing a variety of tasks in nuclear environments. With 6" and 10" port diameters available, NuPYTHON is capable of being installed in existing hot-cell penetrations or to replace master-slave manipulators. With seven degrees of freedom, NuPYTHON can be installed in either a horizontal or vertical position to meet requirements and adapted to work with off-the-shelf tools allowing a wide array of teleoperations to be undertaken, such as cutting, drilling or decontamination.

Advantages

- High radiation resistance up to 104 Gy
- Easy to use, with a small portable remote-control terminal equipped with proportional joysticks
- Seven degrees of freedom providing excellent range of movement
- Capable of delicate operations in 'slow mode' providing movement at two times slower than normal speed
- Variable gripping force
- A sealed polyurethane booting helps protect the tool from aerial contamination

Applications

Technical specifications of various versions. NuPYTHON is available in three high-radiation resistant, electrically powered and electrically controlled versions.