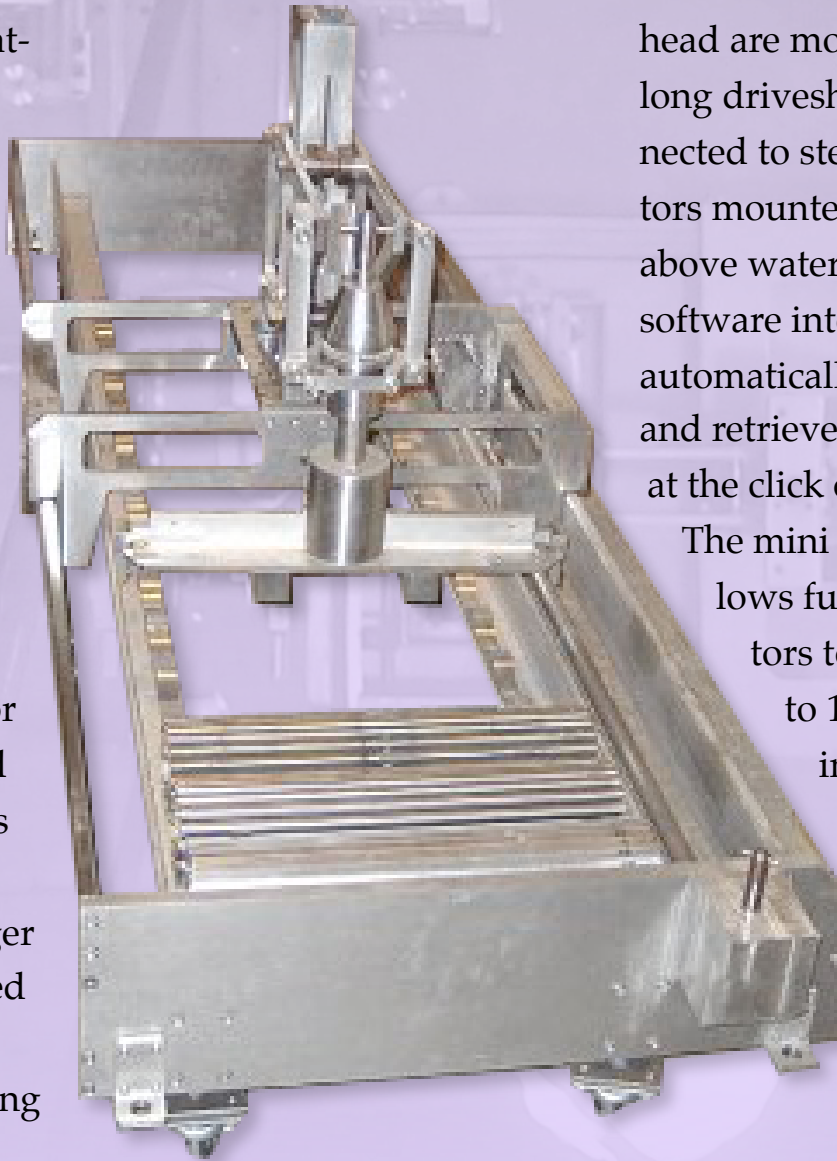


# In-Bay Fuel Inspection Mini - Gantry

The Mini-Gantry attaches to the side of the bundle manipulator on the fuel inspection table in the spent fuel bay at Candu Reactors. Its tray accommodates 16 bundles which can be picked up, placed on the manipulator rotator chains, and returned by means of a lifting head (based on the Finger Tool design) carried by a mobile crane. The crane and lifting



head are moved via long driveshafts connected to stepper motors mounted above the above water line. A software interface automatically selects and retrieves a bundle at the click of a button.

The mini gantry allows fuel inspectors to inspect up to 16 bundles in one shift without having to interrupt fuel-handling personnel.



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