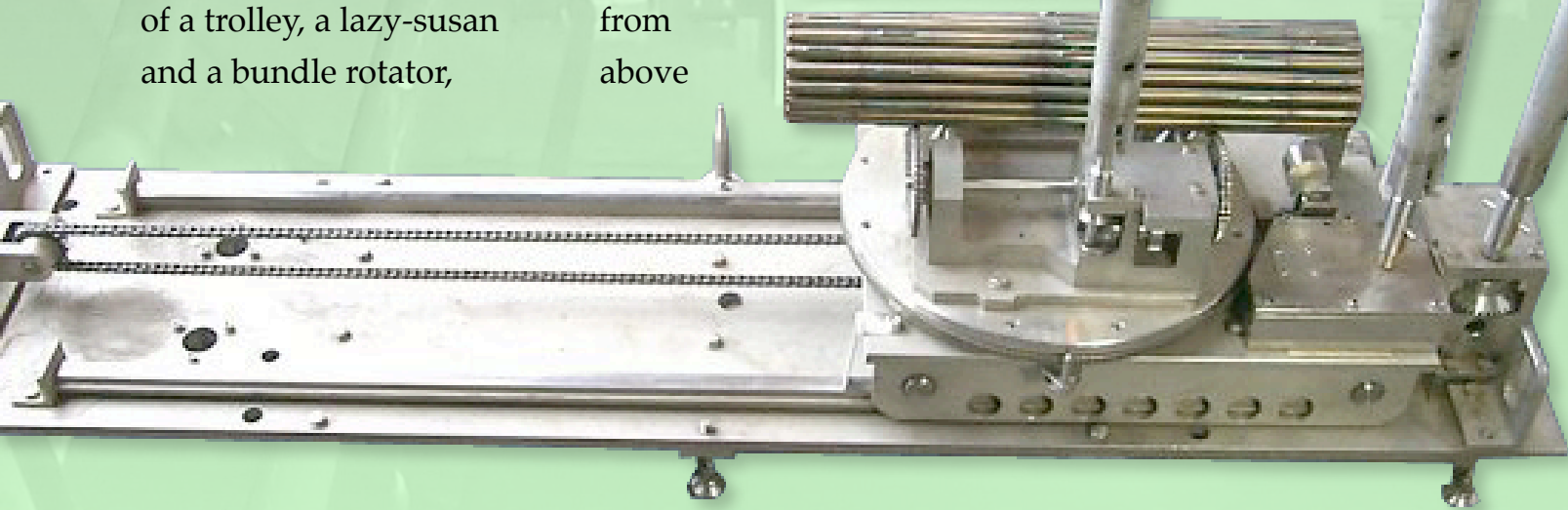


# In-Bay Fuel Inspection Motorized Bundle Manipulator

The bundle manipulator provides a means of supporting and manipulating an irradiated bundle or element at the bottom of the fuel bay such that its full outer surface can be safely inspected using a camera or periscope. It also provides a support platform for disassembling bundles. It consists of a trolley, a lazy-susan and a bundle rotator,

which enables an inspector to traverse the bundle back and forth and to be rotated in the horizontal and vertical planes. The bundle rotator can be replaced with an element rotator, which enables a single element to be inspected. The axial and rotational motions are driven from above

by computer controlled motors using long drive shafts which attach to T-shafts on the manipulator.



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