

HD Systems Applications

- Application Area: Space Flight
- Machine Type: Mars Exploration Rover (MER)

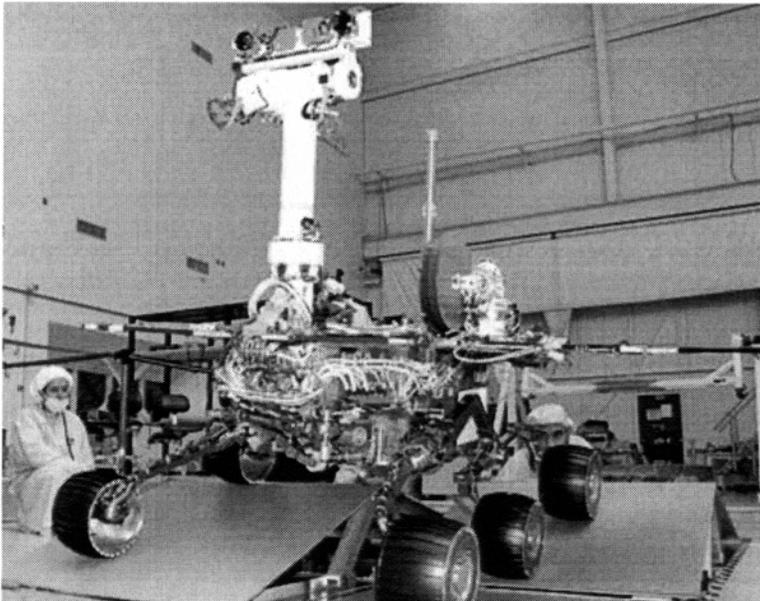
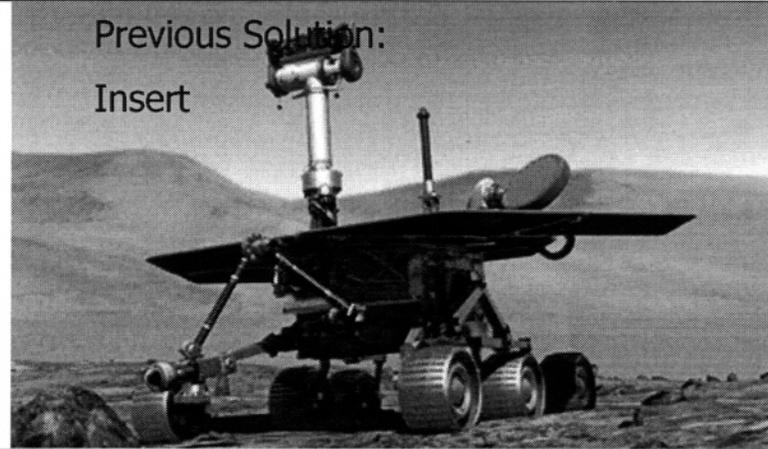
- Specific Usage: Wheel Drive, Steering, APM, Pan & Tilt, Actuator
- HD Product Applied: CSF-2AGR, SHF-2AGR

Outline of Application:

Mars Exploration Rover (MER)

- Wheel Drive (x6)
- Wheel Steering(x4)
- Robotic Arm (x3)
- PanCam Mast Assembly (x4)
- High Gain Antenna(x2)

Previous Solution:
Insert



- Merits of Harmonic Drive Product:
- High Torque to Weight Ratio
 - Accuracy
 - Zero Backlash
 - High Reliability