

**June 24, 2002 — NASA Successfully Attaches Mobile Base System to Space Station's Astro Aerospace-Built Mobile Transporter**

Carpinteria, Calif. – June 24, 2002 – During the STS 111 mission, the space shuttle Endeavor delivered the Canadian Mobile Base System (MBS) to the International Space Station. Using the shuttle manipulator, the MBS was secured to the top of the Mobile Transporter (MT), built by Astro Aerospace, a TRW Company (NYSE:TRW), and previously delivered to the International Space Station on the STS 110 mission in April.

The completed assembly, the Mobile Servicing System (MSS), will eventually carry the space station robotic arm and payloads along the length of truss-mounted rails to support maintenance and servicing operations. In a typical operation, the space shuttle brings up a new piece of the space station, the robotic arm loads it onto the MSS, and the transporter moves along the truss to carry it to its new location for installation by the arm.

Before its launch, the transporter was attached to the center segment of the truss. After the shuttle was docked to the space station, the segment was secured to the Unity module and all functions of the transporter were tested and found to be operating nominally. The transporter was operated under remote commands and moved between worksites before being secured, pending arrival of the MBS on STS 111.

The transporter is a very complex, but highly reliable assembly, designed to operate for the life of the space station. However, the design permits the simple removal and replacement of critical parts by a space-suited astronaut, should it be necessary at any time in the future.

Astro Aerospace designs and manufactures space deployable structures, including furlable antennas and reflectors, truss masts, telescopic booms, storable tubular extendible members, solar arrays and deep truss structures ([www.Astro-Aerospace.com](http://www.Astro-Aerospace.com)).

TRW, Astro's parent company, provides advanced-technology products and services for the global aerospace, information systems and automotive markets. Information about TRW is available at [www.trw.com](http://www.trw.com).

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