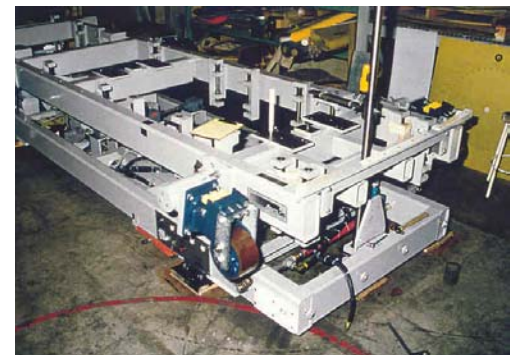
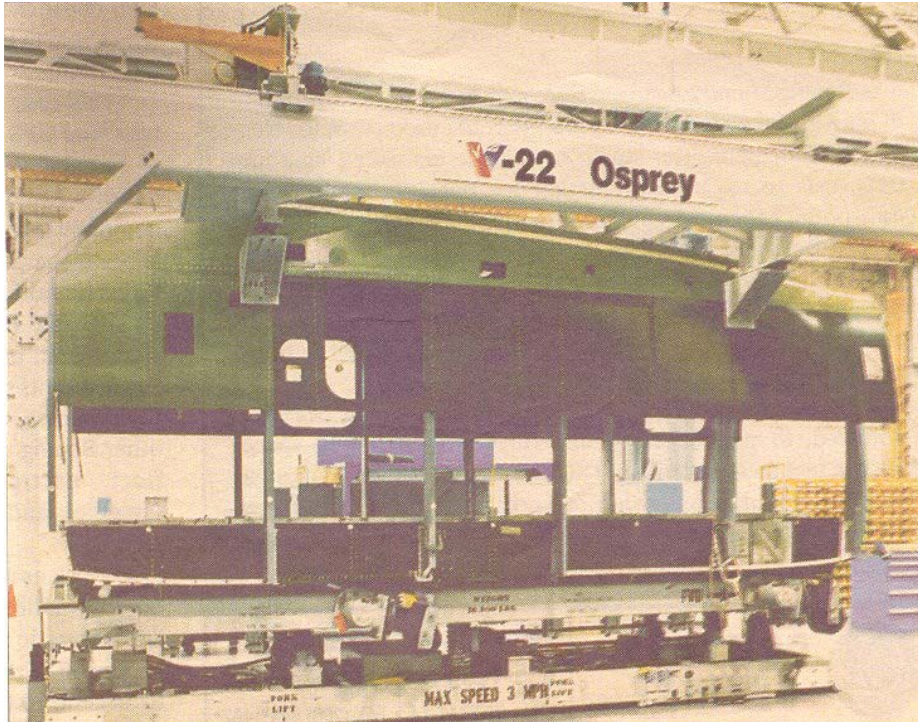


## Boeing Helicopter Philadelphia, Pennsylvania



*Photos of product unloaded.*

AeroGo designed and manufactured four Aero-Caster Transporters to support, move and accurately locate the 20,000-pound under floor assemblies of the V-22 Center fuselage Sections on body join jigs through the assembly line to the final splice line position. The Self-contained Transporter/Body join Jigs move the Center fuselage sections between assembly positions while floating on Aero-Casters®. Each Transporter has two air powered drives that are controlled by AeroGo's electronically synchronized power Multi-Steering Pendant control System. This control system, which is powered by a rechargeable battery system, provides six different steering modes that allow them to accurately position the loaded Transporter for joining the center fuselage section with other V-22 body section.

Each Air Bearing Transporter and body Join Jig consists of an upper and lower platform subassembly. The lower platform subassembly contains the Aero-Caster system®, drive system, jack attachment points, shot pin devices, towing attachments, etc. The shot pins are used to precisely align the Jig for joining the different V-22 body sections. The upper platform subassembly contains the ball screw jacking system; spring caster wheels and a floor support locking/jacking header system. The jacking system, which has a vertical lift of 27 inches of travel and a positive adjustable stop point with precise and repeatable accuracy, was designed to ensure that torquing of the center fuselage section does not occur and to achieve the positioning accuracies required for alignment with the other V-22 body sections for assembly