



Bauer Model 8071 Universal Wheel Build-Up Stand

Improve Productivity
Increase Safety
Reduce Costs
for
**Aircraft Wheel
Assembly/Disassembly**



The Bauer Universal Wheel Build-Up Stand provides a simple, safe, and reliable means of assembling (and disassembling) aircraft main and nose wheels. The equipment is designed for efficient one-person operation with or without the aid of an overhead hoist. Using the Wheel Build-Up Stand to assemble or disassemble aircraft wheels eliminates operator heavy lifting and provides a stable horizontal position for wheel bolt torquing.

The Wheel Build-Up Stand accommodates any aircraft main or nose wheel with the use of quick-change wheel adapters for each different wheel with floating sockets that are configured to match the bolt pattern and size for the particular wheel. Bauer has over 150 wheels adapters available to cover the full range of different aircraft wheels. Wheel handling capacity is up to 60 in diameter and up to 800 lbs.

Operation of the Wheel Build-Up Stand is by pushbuttons mounted on a remote pendant that allows the operator to take any desired position around the equipment while controlling wheel clamping, lifting and tilting operations.



Wheel clamping draws the inboard and outboard wheel halves together into the tire using a hydraulic cylinder positioned vertically in the center of the unit. Pressure-limited hydraulics, preset safety reliefs, built-in flow controls and a bearing adapter fitted to the inboard wheel bearing cup protect the wheel assembly, bearing hubs and bearing race surfaces from damage during the assembly process.



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The Wheel Build-Up Stand's "lift" cylinder is used to adjust the height of the wheel adapter so that when it is oriented horizontally its center exactly matches the centerline of the wheel being assembled or disassembled. A "tilt" cylinder is used to traverse from vertical to horizontal the orientation of the wheel adapter.

Major components of the Wheel Build-Up Stand include the specific wheel and bearing adapters, clamp shaft and plate and a trolley. The actuation system consists of a hydraulic fluid reservoir, an electric motor direct coupled to a positive displacement pump, three 4-way solenoid valves and electrical controls.

**Shown with Bauer Model 8731
Wheel Assembly Torquing
System**



For a video demonstration of this product please contact us.

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