

Bunk Lift Assist – Custom G-Force



Problem

A heavy truck manufacturer introduced a new bunk component into their assembly process that weighed 70 pounds. The new component mounted inside the vehicle and was too heavy for an operator to handle.

Solution

IMS provided a rigid mast lift assist with telescoping tooling. A cantilevered arm rides up and down a vertical mast that is being actuated by a Gorbels G-Force unit. Tooling manually slides in and out to extend into the vehicle for component loading. The complete device is carriage mounted on an overhead workstation bridge crane providing the x-y movement.

Results

This custom solution allows a single operator to lift the 70-pound components at “zero gravity” for assembly. This greatly reduces the risk potential for operator injury.

Please contact us to learn more about this system or how we may be able to assist with your current or future manufacturing applications.

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