

APPLICATION CASE STUDY 143

SIC Code:
3564

Product Handled:
Blower Housings

Machine Type:
MAX Balancer with
Mechanical Tool

HANDLING DESCRIPTION:

Lift finished machined blower housings from a pallet and place them over the mating impeller assemblies.

PROBLEMS:

Various blower housing sizes and weights are to be handled with the same tool. After deburring, the blower housing must be placed onto the pallet in a specific orientation.

MATERIAL HANDLING REQUIREMENTS AND WORK AREA RESTRICTIONS

- Blower housings weigh up to 78 lbs.
- Variety of blower housing sizes
- Requires 42" vertical travel

MATERIAL HANDLING SOLUTION

- CAMLOK "scissors style" tool
- CM MAX Balancer and Gorbel trolley
- Operators Controls:
 - Pendant up/down for MAX
 - Manual lever lock release for tool
- Tool accommodates various payload sizes without adjustment
- Tool has locator stops for easy positioning onto the payload
- Manual lever to release the tool from its locked open position as the MAX begins to lift
- Tool automatically grips the payload as the MAX lifts the tool and payload
- As payload is lowered and is supported, the tool self releases and locks open



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