

The Challenge – Handling Full Layers of Fiber Cement Boards & Panels

Application Details:

- Stack & De-Stack full layers of fiber cement boards & panels.
- Reduce energy consumption. Previous solution utilized a 30 hp blower!!!
- Textured & structured surface. Not possible to grip with standard suction cups.
- Varying length and width boards and panels.
- Extremely dirty, dusty environment.



[Click here to view video!!!](#)

Schmalz Solution

- Schmalz provided array of 5 FMC Vacuum Grippers
 - Off the shelf solution
 - Each gripper providing 2500 N of holding force @ -500 mbar
- Equivalent to static load of 500 lbs !!!
- Schmalz Flow Resistor technology maintained gripping performance even with partial layers.
- Schmalz specially developed foam was able to generate a great seal on the structured surfaces where suction cups were unable create a solid seal!
- Foam with internal filter screen used to maintain performance in extreme environment.
- Incorporated blow-off function which is used for instantaneous release and self-cleaning of grippers .



Highlights

- Schmalz is able to offer fully optimized, complete vacuum solutions (Grippers, vacuum blower, filters, valves, hose, fittings, and switches) to fit all your applications.
- Solution derived from extensive experience and background in vacuum gripping.

For more information on this or any [Vacuum Gripping System](#) from Schmalz please contact our product expert [Bill Symanski](#) by phone at 919-713-0880 ext 632 or by e-mail at bill.symanski@schmalz.us

