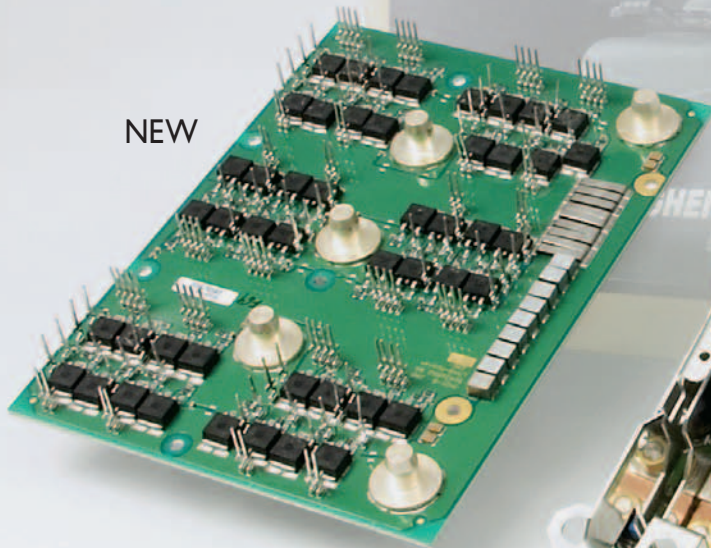
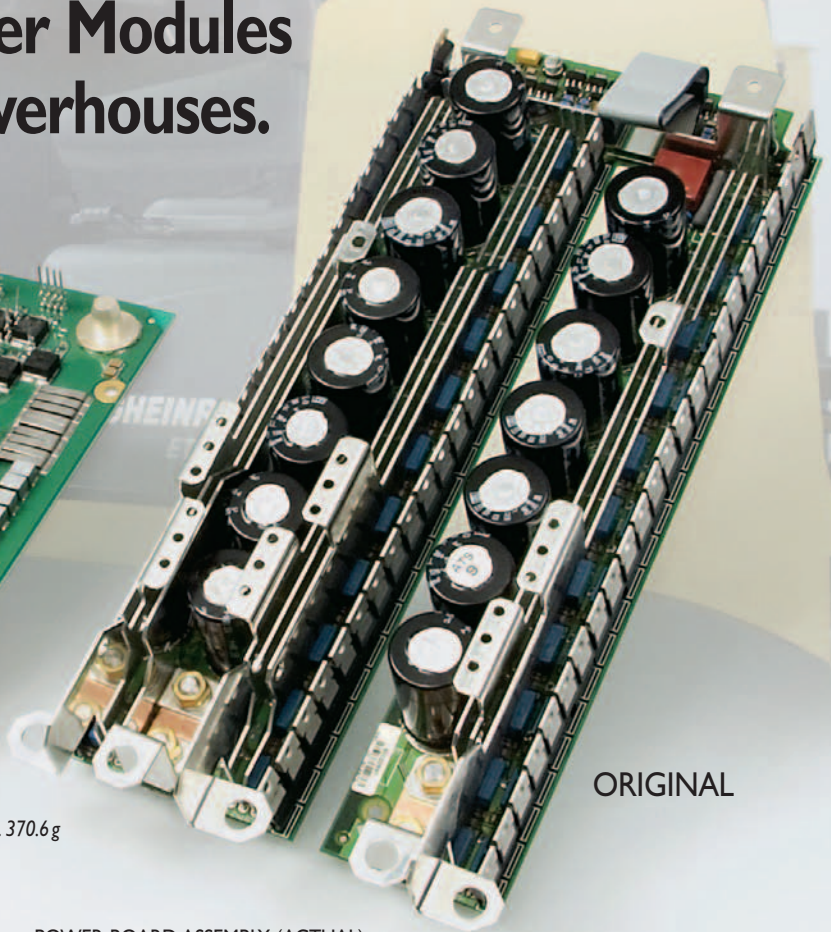


Bergquist Thermal Clad Turns Big Power Modules Into Small Powerhouses.



NEW

POWER BOARD ASSEMBLY (ACTUAL)
(48) FETs (9) Low profile capacitors (5) Low profile bus bars Total Wt. 370.6g



ORIGINAL

POWER BOARD ASSEMBLY (ACTUAL)
(66) Thru-hole FETs (15) High profile capacitors (9) High profile bus bars Total Wt. 1543.6g

With Thermal Clad®, Jungheinrich Forklift Converted All The Power Into Half The Space.

Bergquist Thermal Solutions let you increase power capacity without adding size.

Jungheinrich, a leading European forklift manufacturer, needed to reduce their motor control size and cost while maintaining power output levels. Thermal Clad insulated metal substrates (IMS®) allowed their engineers to replace high profile thru-hole FETs, capacitors, and bus bars with fewer low profile, surface mount components. This sleek new design reduced package size by over 50%, all without sacrificing a single watt of power. Thermal Clad's unique dielectric coating dissipates heat more efficiently than FR-4 or other PCBs – ideal for high watt-density applications such as motor control.



"We needed to reduce our processing cost, it was too labor intensive. With Thermal Clad we were able to automate, dissipate the heat better, and reduce our size by at least 50%."

*Stephan Taube
Electronic Development Engineer
of Jungheinrich Forklifts*

Automated assembly lowers manufacturing costs.

Cooling with Thermal Clad IMS eliminates the need for heat sinks, clips, fans and other discrete components that increase package size and require costly manual assembly. Now, using surface mount technology, Jungheinrich was able to automate much of the assembly process thus reducing cycle times and long-term manufacturing costs.

Get your FREE Sample Kit.

To qualify for a FREE Thermal Clad Select Sample Kit, please visit our web site or call today.



FREE Select Sample Kit.

Call **1.800.347.4572** or visit **www.bergquistcompany.com/powerlift**



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