

## CASE STUDY - LED INDUSTRY

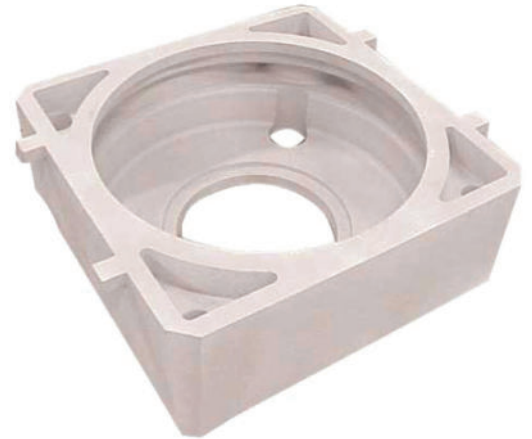
48% SAVINGS PER PART

### The Need


This company did not know that casting could be used to create vacuum chambers. They were using a “hogged out” process from a block of aluminum with significant machining.

### The Solution

By applying our VaPore® aluminum casting technology to create these vacuum cast chambers, we achieved a 48% per part savings. In this case the pattern paid for itself after 4.6 units. This translated into a nearly \$2 million in material cost savings in just the first two years of production.



### Machined Billet vs. Palmer VaPore Casting

Machined Billet		 <small>Vacuum Tight Aluminum Castings</small>	
Raw Material:	\$ 4,300	Pattern NRE:	\$ 14,300
Machining:	\$ 2,500	Raw Material:	\$ 2,569
Total:	\$ 6,800	Machining:	\$ 1,000
		Total:	\$ 3,569

Per Part Savings: \$3,231 (or 48%)

**Pattern pays for itself after 4.6 units**

## According to the customer...

“Palmer Foundry saved our company a great deal of money. They have tremendous experience with vacuum cast chambers, and they are also very responsive and excellent to work with.”

For more information about Palmer Foundry, call us today at 413-283-2976 or visit us on the web at PalmerFoundry.com.