

Application: Electrical Motor Rebuild/Repair Shop

Machine: Goff 48" TB with 816 DC

Shot Size: S-170

This customer's first exposure to the Goff's blast machine was at the Odessa, Texas Permian Basin Oil Show in October 2006. Before the show opened the owner of the company was in our booth asking about the Goff 48"TB machine and if we had any customers in the area with a 48" TB that he could see.

This company is a family owned and operated business with 22 employees. Their niche market is to sale and service the various oil field customers. This means working with motors as small as 25 HP up to electric motors weighing as much as 3,000 pounds.

After the show, we contacted their President and made arrangements to take him into the facility of a customer currently using a Goff 48" TB. We demonstrated the machine by blasting a motor housing after removing oil, grease and paint by a burn-off oven. We initially selected a blast cycle of 3 minutes. A 3 minute cycle in the Goff machine was too long, causing damage to the brass components. This company had been blasting the housing in a suction blast cabinet taking one man 30-45 minutes. In subsequent tests we reduced the time to one (1) minute.

One minute did the job and the machine was ordered. The customer now uses the burn-off and blasting process for all motor housings, casings, and various components. The part, a motor rotor, was blasted for 30 seconds. Due to its bulkiness and odd shape, it normally took a man 60 to 90 minutes to blast this part in the hand cabinet. By fixturing the rotor up off the table just a few inches, the entire part is cleaned in a fraction of the time it required a man to manually blast the part by hand.