

# Application Study

## ASSEMBLY OF A TOP COVER SEAL ON A HARD DISK DRIVE



### TASK

Apply a large aluminum cover seal to a hard disk drive.

### CHALLENGES

- The adhesive is very aggressive making the large seal difficult to peel from a silicone-free liner.
- The part must be placed bubble-free.
- The application process requires clean room assembly.
- The material creates a strong static charge when separating from the liner that must be dissipated.

### SOLUTION

- Model 4065 - clean room compatible
- Customized bubble-free chuck
- Rewind reel

### FEATURES & BENEFITS

- The clean room version 4065 incorporates air valve exhaust ports connected together for porting to an outside vacuum system, pneumatic cylinders with vacuum collars around the shafts, and bearings constructed of stainless steel.
- The customized bubble-free chuck eliminates air entrapment in the completed assembly.
- AccuPlace patented peeling technology allows consistent peeling of the aggressive adhesive even from the silicone-free liner.

