**Job Description - Technician**

**Work Hours**
Monday-Friday; 7:30AM-4PM

**Supervisor**
Frank Hrach  
Director, Process Engineering  
Separation Technologies LLC  
101 Hampton Ave  
Needham MA 02494

**Environment**
Indoor laboratory / pilot plant setting

**Personnel Protective Equipment**
Steel toe work shoes  
Safety glasses  
Dust mask/respirator when required

**Job Description**

The technician will be responsible for operating the pilot-scale ST separation equipment to evaluate new business projects as well as ongoing research and development programs. The technician will be responsible for logging data and taking samples after each experimental run, as well as performing the laboratory analysis of the samples. Daily tasks include receiving, handling and lifting large quantities of bulk powder in 15 – 30 lb. batches, and processing it through ST’s proprietary separation equipment. The use of a particulate respirator, steel toed shoes and safety glasses will be required.  

The technician is also responsible for conducting laboratory tests on the samples that are generated during the experimental runs. The tests include loss-on-ignition testing, acid insoluble testing, and XRF elemental analysis.

The ideal candidate will have an associate’s degree in a technical field and previous experience in a laboratory or R&D environment. Familiarity with basic lab technique, mathematics, and data entry is required. Attention to detail and the ability to work both independently and as part of a team is essential.

**Daily Tasks**

- Operate ST separation equipment in batch experimental runs  
- Sample dry powder products generated during runs  
- Perform laboratory testing on product samples  
- Record equipment operating data on log sheets  
- Enter operating data into Excel spreadsheets  
- Routine maintenance on ST separation equipment  
- Operate forklift to move feed material drums (~300 lbs. ea.)  
- Move feed material drums using drum jack  
- Dry feed material in oven and/or mixer system  
- Handle/Lift 15-30 lb. plastic bags of feed material