



dahl-beck electric

Light Rail Services

dahl-beck electric is a third generation family owned and operated electric motor repair facility that prides itself on our business ethics, technical knowledge and customer satisfaction. We have been in continuous operation by the Beck family since 1933 and this experience is what separates us from other motor repair facilities. Our 70+ years of practicing this craft has undeniably qualified us as experts.

Your equipment never seems to break down during normal business hours but more likely in the middle of the night, weekends or holidays. We understand how vital this equipment is to your operation and have dedicated ourselves to getting your facility back online ASAP. The *dahl-beck electric* service staff is available 24 hours a day, 7 days a week, 365 days a year. Help is just a phone call away. **510-237-2325 day or night.**

Our fully-equipped, EASA (Electrical Apparatus Service Association) certified motor repair facility is housed in 54,000 square feet of building space on over 3 acres of land. This space enables us to take a systematic approach to shop set-up, equipment placement and job staging in an effort to more efficiently move jobs through the repair processes.

We are pleased to offer our customers the following service:

Light Rail/Traction Motor Services — Much of our focus throughout the past decade has been the build up of our Light Rail/Traction Motor Division. We began this division in an effort to better service the light rail municipalities around the country. These companies had complained bitterly about poor technical support from their vendors and a repaired product whose longevity was mediocre at best. These municipalities needed a company that could get the job done and *dahl-beck electric* was up to the challenge. We sent many of our technicians to Germany and Spain to receive factory training, then spent countless hours working with their engineers redesigning specific attributes of these DC motors in an effort to improve reliability. We are the only repair facility in the United States to have received this training and the only shop that has access to Siemens OEM rewinding kits and replacement parts. A lot of resources were also exhausted trying to find the proper equipment necessary to do the job right. We feel this equipment truly helps set us apart from the competition. When these machines are operated by our experienced journeymen the quality of work is exceptional.

Here is a brief description of the equipment we use and it's function.

- ◆ **CAM Automatic Tig Welder** — Quickly and accurately indexes and welds the armature coils to the commutator risers.
- ◆ **CAM Automatic Commutator Undercutter** — Precisely indexes and undercuts the commutator mica and chamfers the bars to specified tolerances.
- ◆ **CAM Automatic Commutator Spin Seasoner** — Stress relieves the newly installed commutator through a series of heating and cooling cycles at excessive RPMs.
- ◆ **CAM Banding Machine** — Controls banding tension, auto feed and revolutions with unparalleled precision.

