



# dahl-beck electric

## Electric Motor 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 services:

◆ **AC & DC Motor/Generator Rewinding, Refurbishing, Redesign & Testing** — Our services cover a wide range of electric motors, everything from fractional to 10,000 HP.

◆ **Vacuum Pressure Impregnation (VPI)** — Our 4 separate VPI systems has set us apart from the competition. To our knowledge, no other motor repair shop in the country has 4 VPI systems under one roof. We have made a considerable investment in these systems in an effort to offer our customers the best product for their particular application.

◆ **Machine Shop Services** — Horizontal Lathes, Vertical Turret Lathes, Vertical Mills, Horizontal Boring Mills, 400 Ton Horizontal Press and the tooling to get the job done.

◆ **Metal Spraying/Metalizing** — This procedure is used to build-up specific fits that are damaged, worn or out of tolerance, then machined to the specified dimensions.

◆ **Electrical Testing** — Megger, Surge Comparison Testing, Hi-Potential Testing, Polarization Testing, Voltage Drop and Computerized Core Loss Testing. These tests help to pinpoint any problems your motor may have in the present or future and direct us toward a specific repair solution.

◆ **Dynamic Balancing** — Rotors, Armatures, Rotating Fields, Shafts, Pump Impellers, Fans and Turbines.

◆ **Dynamometer Testing** — Full load motor testing up to 2,100 HP, 115V to 4160V.

◆ **Automatic Tig Welding, Automatic Commutator Undercutting & Automatic Commutator Spin Seasoning** — Allows us to quickly and accurately weld your newly wound DC armatures, undercut your commutators and properly seat your new commutator through a series of heating and cooling cycles at varying RPMs.

◆ **Underwriters Laboratories (UL)** — We are certified to perform the inspections and repairs necessary to re-certify and re-label your critical UL motors.

