



dahl-beck electric

Machine Shop & Balance 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:

◆ **Machine Shop Services** — We have gone to great lengths researching and acquiring the pieces of equipment that best fit our craft. 6 lathes with up to a 60 inch swing and 17 feet between centers, Vertical Turret Lathes, Vertical Mills, Horizontal Boring Mills, 400 Ton Horizontal Press and all the tooling necessary to do your job quickly and accurately.

◆ **Metal Spraying/Metalizing** — We utilize the Sulzer Metco 5P Powder System. In the metal spraying process, the raw material in the form of powder is melted in an oxygen-fuel gas flame inside the spray gun. This molten material is atomized by a cone of compressed air and propelled toward the work piece. The molten spray solidifies on the component surface to form a dense, strongly adherent coating suitable for machining. This procedure is used to build-up specific motor or pump fits that are damaged, worn or out of tolerance. We most often use this process to build-up bearing housings, journals and seal areas before machining them to specified dimensions.

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

When your rotating apparatus is properly balanced it runs more efficiently with less vibration. It is well known that when a piece of rotating equipment is perfectly balanced, it's life expectancy is greatly increased. We have both stationary and portable balancing equipment to service your needs in house or in the field.

Our 3 balance stands can handle rotating equipment from 1 to 19,000 pounds, up to 101 inches of swing and 20 feet in length. In most cases one of our three stands will be available right away. This ensures you won't have to wait long to get your rotating element returned and back in operation.

Our vibration instruments (IRD246, IRD290, IRD350, IRD880 & IRD1500) enable us to balance your equipment down to levels that will greatly prolong the lifespan of your equipment.

