

## Sulzer EMS

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# SULZER

## Sulzer EMS

## Equipment Services Offered Phoenix, Arizona Facility

Sulzer EMS specializes in a wide range of electrical and mechanical rotating equipment repairs, machining, chroming, grinding, on-site services, and hydraulic cylinder repairs.



### Rotating Apparatus Repair, Reconditioning, Rewinding, Rebuilding

- AC & DC motors and generators
- Generators (480 - 13,800 Vac)
- Wheel motors
- Traction motors
- Gearboxes
- Centrifugal pumps
- Large fans and blowers
- ISO 9002 registered HV coil manufacturing at Sulzer Dowding & Mills

### Diagnostic Testing & Monitoring

- Full voltage test run to 13.8 KV
- Baker Advanced Winding Analyzer
- RSO generator test
- Surge comparison testing
- Core loss evaluation
- Motor insulation analysis
- Vibration analysis
- Failure analysis
- Bore scope inspection
- Non-destructive testing

### Field Services

- Motor - generator on-site evaluation
- Balancing
- Optical laser alignment
- Vibration data collection and analysis
- Troubleshooting
- Removals and installations
- Preventive maintenance
- Line boring
- VFD programming
- Dry ice cleaning

### Welding & Machining Services

- Full service machine shop
- Fabrication

### New Motors, Drives & Controls

- AC motors (fractional to 12,000 HP; crusher duty, pump, variable speed)
- AC variable frequency drives (inverter and vector)
- DC motors and drives
- Soft start controllers
- DC permanent magnet motors
- Gearmotors
- Metric motors
- Replacement parts
- Troubleshooting and repair

### Capacities

- 78,000 sq. ft. service center
- 50 ton overhead crane capacity
- High voltage motor test run center (to 13.8 KVA @ 2,000 KW)
- Vacuum pressure impregnation (VPI) 8' x 12'
- 600 ton press
- Vertical boring mills to 12'
- FFT vibration analysis
- Full range dynamic balancing up to 25,000 lbs.

### Industries Served

- Power generation
- Water and wastewater
- Mining and aggregate
- Recycling
- Transportation
- Paper
- Chemical