Sulzer EMS
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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