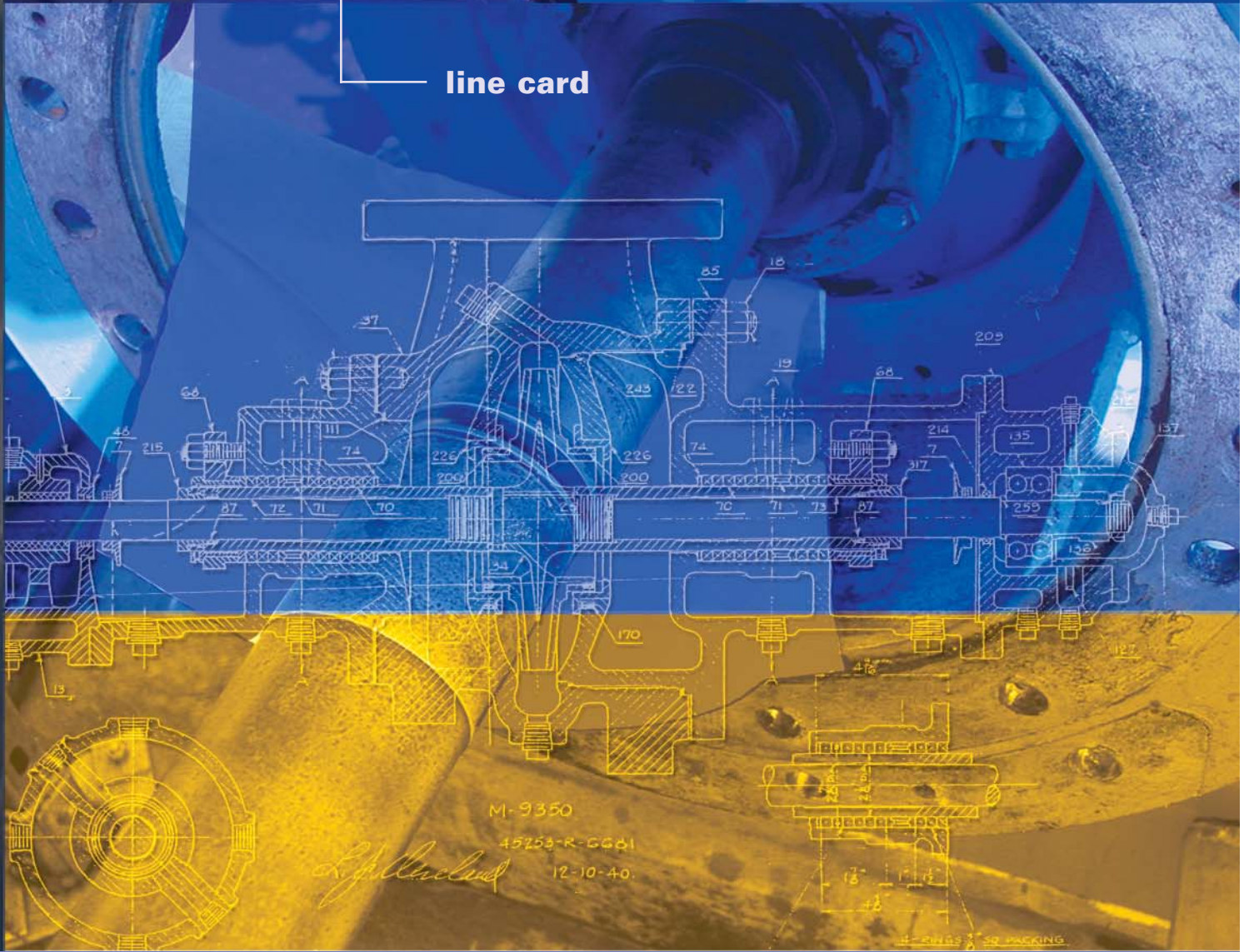


# SOLUTIONS

## Pump Division

line card

BOILERS | PUMPS | SYSTEMS | SERVICE | PARTS



**R.F. MacDonald Co.**

*your boiler & pump solutions team*

*~ since 1956*

# YOUR PREMIER SUPPLIER OF PUMPS, PARTS, REPAIRS AND FABRICATED SYSTEMS

For half a century, R.F. MacDonald Co. has been in the business of supplying and servicing pumps, boilers and flow meters to industrial and commercial customers in California and Nevada. We represent over 35 of the highest quality equipment manufacturers in the industry to ensure we apply the right product for your application.

Our experienced technical sales staff will carefully evaluate your fluid pumping needs and provide custom equipment solutions with reliability and process improvement in mind. For your convenience we maintain sales and service offices in a number of strategic locations.

We believe in servicing what we sell, 24 hours a day, 7 days a week. We maintain full service/repair facilities in Hayward, Modesto, Fresno, Reno and Santa Fe Springs. Our factory trained and certified technicians repair all makes and models of pumps. Our field services include trouble-shooting, repair, installation, certified welding, operator training, laser alignment and vibration analysis.

Our huge pump unit and parts inventory combined with our multiple locations ensures fast and reliable service anytime day or night.

We also provide in-house fabrication services for assembling pump packages and custom systems into pre-piped and wired skids, simplifying field installation requirements.

We would be honored to serve your needs.



## AIR OPERATED DIAPHRAGM PUMPS



- Dry Run Capable
- Full Line of Plastic & Metal Designs
- High Vacuum
- Industrial & Sanitary
- Portable or Fixed Mount
- Self-Priming
- Solids Handling
- Stripping

## CENTRIFUGAL PUMPS



- Food Processing
- Hot Oil
- Refrigeration
- Solids Handling
- Stringy Material and Sludge



- Chopper
- Horizontal, Vertical or Submersible
- Low Shear
- Mixers
- Recessed Impeller - Vortex
- Screw Centrifugal
- Solids Handling



- Commercial
- HVAC
- Industrial
- In-Line Circulators
- Multi-Stage In-Line Boiler Feed Pumps
- Stainless Steel Components
- Sump & Well Pumps
- BoosterpaQ Systems



- ANSI, API
- Boiler Feed
- Chemical
- Food Processing
- Multi-Stage
- Paper Stock
- Process Pumps
- PumpSmart Controllers
- Seal-Less Magnetic Drive
- Sump, Slurry
- Vertical & Submersible
- Vertical Turbine
- Vortex



- Aquavar Variable Speed Controllers
- Bronze, Cast Iron & Stainless Steel
- Commercial, Industrial & Wastewater Services
- Horizontal
- Multi-Stage In-Line
- Sewage Pump Packages
- Submersible Sump

## HIGH-PRESSURE PUMPS



- Flows to 320 gpm
- Plunger & Piston
- Pressures to 7,000 psi



- Diaphragm
- Dry Run Capable
- Motor Driven
- Pressures to 1,500 psi



- Boiler Feed & Booster Services
- Condensate Return
- Flows to 150 gpm & pressures to 1,000 psi
- Fuel Cells
- Low flow - High Head
- Refrigeration
- Regenerative Turbine Pumps
- Seal-less Mag Drives

### METERING PUMPS



- Boiler Blowdown Control Systems
- Cooling Tower Control Systems
- Diaphragm
- Piston
- Pulsatron
- Solenoid & Motor Driven



- Diaphragm Dosing
- Pulse Control
- Digital Control Interface
- Stroke Speed and Frequency Control



- 316ss, Hastelloy, PVDF
- Low Shear
- Progressive Cavity



- Gear Type
- Magnetic Drive
- Very Low Flow to 10 gph

### PORTABLE PUMP CARTS

- Designed to Customer's Specification
- Complete Control Systems
- Startup Services Available

### PROGRESSIVE CAVITY PUMPS



- Abrasive Handling
- Auger Options
- Bridge Breaker Options
- Industrial & Sanitary
- Low Shear
- Solids Handling
- Slurry & Sludge Transfer
- Thin to Viscous Liquids
- Vertical & Horizontal

### ROTARY PUMPS



- Dry Run Capable
- Gas Compressors
- High Vacuum Self-Priming
- Positive Displacement
- Stationary & Truck Mounted
- Stripping & Low Shear
- Thin to Viscous Liquids



- Industrial Lobe Pump
- Thin to Thick Viscosity
- Bi-Lobe, Tri-Lobe and Helical Lobe Forms
- Solids in Suspension
- Crushers and Choppers



- Abrasive Handling
- Gear Type
- Rubber Lined



- Self-Priming Centrifugal, Standard Centrifugal, Submersible, Rotary Gear, Diaphragm, Engine-Driven, Priming Assist and Lightweight IPT Pumps as well as Packaged Pump Stations



- Internal & External Gear Designs
- Circumferential Piston
- Hot & Abrasive Applications
- Viscous Applications

### VACUUM PUMPS



- Lubricated & Oil Free (Dry Vane)
- Single & Two Stage Liquid Ring
- Standard & Engineered Systems
- Water Sealed

### MECHANICAL SEALS



- Cartridge Seals
- Cooling & Flush Systems
- Gas Seals
- Packing
- Repairs
- Single & Double
- Split
- Solids Separators

### SUBMERSIBLE PUMPS



- Cast 316ss to 20 HP
- Hi Temp to 190°F
- Non-Clog, Shredder, Vortex
- Hard Metal Slurry



- Dry Pit
- Mixers
- Mixed Flow
- Propeller
- Sewage



- Effluent
- Gray Water
- Grinders
- Sewage
- Slurry
- Tanks, Floats & Controls



- Corrosion Resistant
- Effluent

### Additional Products and Accessories

- |                |               |                 |
|----------------|---------------|-----------------|
| Strainers      | Couplings     | Flow Meters     |
| Filters        | Mixers        | Pressure Gauges |
| Motors         | Gear Reducers | Thermometers    |
| Starters       | VFD Inverters | Flex Connectors |
| Control Panels |               |                 |

**CORPORATE**

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**LOS ANGELES**

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**MODESTO**

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Modesto, CA 95358  
209.576.0726

**RENO**

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Reno, NV 89523  
775.356.0300

**SONOMA/NAPA**

642 Martin Avenue, Suite B  
Rohnert Park, CA 94928  
707.586.9234

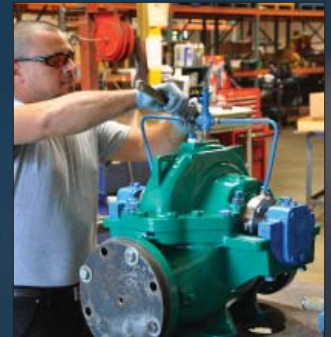
**SAN DIEGO**

P.O. Box 1867  
Poway, CA 92074  
858.538.5877

# Concept, Design, Maintenance

## PUMP REPAIR SPECIALISTS

- Factory Trained Technicians
- Field Service, Troubleshooting, Training, Repair, Laser Alignment and Vibration Analysis
- In-House Machine and Milling
- Mechanical Seal Failure Diagnosis and Repair
- One-Year Warranty
- Preventive Maintenance Programs
- Pump Design and Material Upgrades
- Training Seminars



## INSTRUMENTATION AND CONTROLS GROUP

- Building Management System Interface
- Conductivity and PH Control
- Flow and Pressure Measurement
- Level and Pressure Control
- Variable Frequency Pump Drive Systems



## FABRICATED SYSTEMS

- Condensate Systems
- Process Cooling Water
- Pump Booster Systems
- Hot Water and Boiler Skids
- Custom Design
- Fast Turnaround
- In-House Design / Build Team



## 24-HOUR EMERGENCY REPAIR SERVICE

[www.rfmacdonald.com](http://www.rfmacdonald.com)



**VISION** To provide a superior workplace environment, that attracts and retains the best employees in the industry, fostering an attitude that provides our customers with the most innovative, responsive and results oriented effort possible.