

READ CONSULTING
THOMAS L. READ, Ph.D.
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www.readconsulting.com

PROFESSIONAL LICENSE

Registered Professional Engineer: Certificate No. MFOO2174, State of California

SUMMARY OF EXPERTISE

1. Over 40 years of experience as a consultant to attorneys in glass failure analysis, metallurgy, accident reconstruction, OSHA worker safety, products liability, intellectual property, factory safety and other litigation. **This includes numerous depositions and court appearances.**
2. 40 years of manufacturing experience in the glass and electronics industry doing processing, process and product introduction, equipment design and build, glass and metal grinding, forming and polishing, part design, machine safety, machine design, quality control, and materials engineering.

ACCIDENT RECONSTRUCTION

User and Worker safety, Product Liability and equipment design (Includes device safety, operator safety and machine guards
Manufacturing Expertise: Includes **Patents**, Machine Safety Tooling, Processing Equipment, Product Design, Factory Safety (Machine Guards), Quality Control, Quality Verification, Reverse Engineering and Factory Procedures

Failure Analysis (Includes both materials and design)

- **Glass Damage & Failures:** Doors, Bottles, Laminated Safety Glass, Windows, Windshields, Wire Glass etc
- **Metallurgical Failures:** Implants, Pipes, Ladders, Bolts, Heaters, Welds, Gears, Chairs, Prosthetics, Plumbing, etc
- **Ceramic and Porcelain Failures:** Dishes, Oven Ware, Grinding Wheels, and Structural Ceramics (Toilets etc.)
- **Manufacturing Defects:** Sealing Failures, Any manufactured Item. Tubing failures (metal glass and plastics).
- **Corrosion Failures:** Galvanic, General, Stress Corrosion; this includes materials selection and environment
- **Polymer (Plastic) Degradation and Failures:** Piping, Ladders, Joints, Seals, Packaging, Chairs, Medical Devices, Implants,
- **Wood Failures:** Chairs, Ladders, Stairs, Window Leaks etc (Includes deterioration from rot).

PROFESSIONAL EXPERIENCE

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|----------------|---|
| 1975 - Present | <i>Engineering Consultant</i> in private practice with attorneys and insurance adjusters. Litigation-related practice includes plaintiff and defense clients in approximately equal numbers. Included are numerous depositions and trial appearances. |
| 2001- 2002 | Senior Metallurgical Engineer and Safety Engineer
Rheodyne, Inc. Rohnert Park, CA |
| 1993 - 2001 | Chief Metallurgist
Komag Materials Technology Inc., Santa Rosa, California |
| 1988 - 1993 | <i>Senior Thin Film Project Engineer. Thin film Coating Equipment Design</i>
Deposition Sciences Inc., Santa Rosa, California |
| 1984 - 1988 | <i>Thin Film Circuit Engineer, Safety Engineer and Reliability Engineer</i>
Microwave Technology Inc., Fremont, California |
| 1975 - 1984 | <i>Project Engineer, Safety Engineer and Project Manager</i>
Hewlett Packard Co., Santa Rosa, California |
| 1974 - 1975 | <i>Senior Project Engineer</i>
Optical Coating Laboratories Inc., Santa Rosa, California |
| 1972 - 1974 | <i>Senior Process Engineer</i>
Corning Glass Works, Corning, New York. Included glass finishing process, development and glass failure analysis. |
| 1969 -1972 | <i>Engineering Consultant</i>
Failure Analysis Associates, Stanford, California. Aided engineers with failure analysis. |

ACADEMIC DEGREES

1. Stanford University, Ph.D. *Materials Science and Engineering*, 1972
2. Stanford University, MS *Materials Science*, 1969
3. University of Pennsylvania, BS *Metallurgical Engineering*, 1965
4. Diploma, Tercer Curso Panamericano de Metalurgia Nuclear, Buenos Aires, Argentina, 1968

Additional Skills

Fluent in written and spoken Spanish