



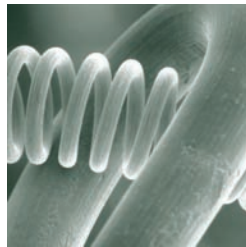
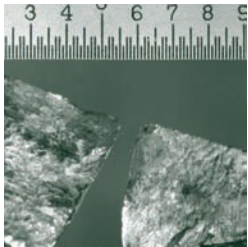
PACKER
ENGINEERING Inc.

Technical Services

When manufacturers, industrial processors, utilities, and other businesses are in need of engineering and technical expertise, they rely on Packer Engineering.

Packer's Technical Services Group applies failure analysis, metallurgical and mechanical testing along with other analytical techniques for studies and "real-time" problem-solving assignments involving metals, polymers, composites, mechanisms and manufacturing processes.

Count on Packer Engineering to provide total solutions to the most difficult problems anywhere in the world, 24 hours-a-day, 7 days-a-week.



On-site electronic scanning equipment used for site inspections, accident reconstruction, and computer modeling.

Services

- Laser scanning for site documentation
- Mechanical property testing, such as, hardness, tensile, compression and fatigue life testing
- Quantitative and qualitative chemical analysis, including Scanning Electron Microscopy
- FTIR organic analysis
- Polymer analysis, including durometer, mechanical property
- Metallographic examination and interpretation
- Finite Element Analysis (FEA)
- Non-destructive testing, die penetrant (DP), infrared, thermal and radiographic testing, and magnetic particle testing (MT)
- Corrosion analysis testing and evaluation
- Quality assurance and quality control sampling
- Failure mode analysis
- Inspection services and maintenance planning
- Electronic failure analysis
- Stress and strain analysis
- Site documentation and artifact retention

Technical Services

Using analytical tools and practices, Packer Engineering provides complete solutions to problems involving component and product failures. Our criteria for evaluations include reliability, cost, quality, delivery, and other performance objectives. We also assist clients in assuring that non-OEM products pass a series of rigorous tests to ensure they are equal to the original parts they are replacing. Our consultations include evaluations of reliability, failure prevention, risk reduction, quality assurance, systems safety and logistics support.

To learn how your company can enhance or supplement its laboratory and test services, efficiently and economically, call 800-322-0114 for PACKER... "Engineers with Answers."

Types of Projects:

Failure analysis

- Firearms and safety devices
- Industrial plant and process equipment
- Industrial fasteners
- Materials
 - Ferrous
 - Non-Ferrous
 - Polymer
 - Composite

Product and process evaluations

- Pumps
- Pipelines
- Generators
- Compressors
- Turbines
- Presses
- Machinery

Custom testing

- Cookware
- Components and equipment
- Recreational vehicles
- Medical
- Automotive
- Aerospace

Prototyping

- Castings
- Composite components
- Consumer household items
- Home décor
- Military components and equipment

