



Fracture toughness testing for the aerospace, nuclear, petro-chemical, mining and power generation industries.

# Waiting too long for your fracture toughness test results?

PES provides rapid test turnaround to meet your needs.



Fracture toughness is one of the most important properties of any material for virtually all applications. PES has the expertise to machine and test materials for determination of resistance to fracture in a sample containing a crack.

These tests are performed according to ASTM specifications.

#### ASTM Methods

- E399 – Standard Test Method for Linear-Elastic Plane-Strain Fracture Toughness ( $K_{Ic}$ ) of Metallic Materials
- E647 – Standard Test Method for Measurement of Fatigue Crack Growth Rates
- E1820 – Standard Test Method for Measurement of Fracture Toughness

#### Nadcap Accredited Methods

- ASTM E399



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