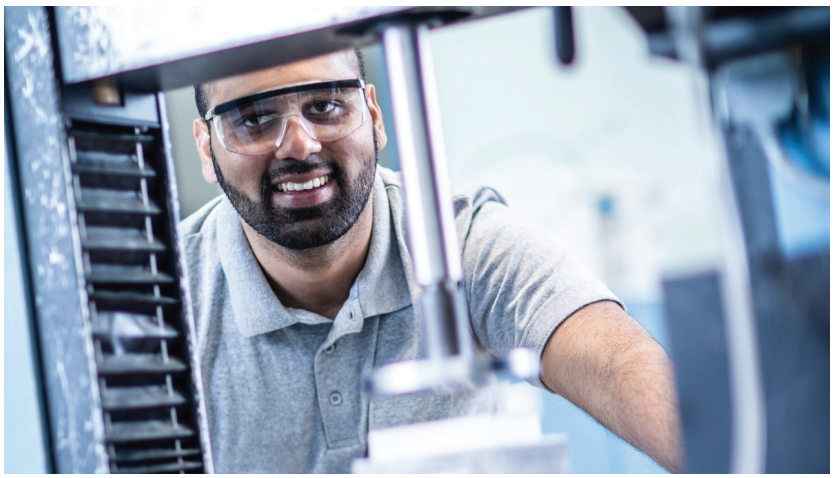
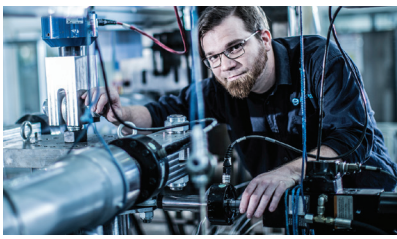
element

PORTLAND MATERIALS TESTING

OVERVIEW

ELEMENT PORTLAND

Our Element Portland facility provides materials testing and expert services from Element clients worldwide. With over 20 multidisciplinary staff and state-of-the-art laboratories, this facility supports a wide variety of foundries, forges, metal producers, metal service centers and fabricators, with a special emphasis on the Aerospace and Defense industry.

WHO ARE WE

We are Element, one of the world's leading independent providers of testing, inspection and certification services to a diverse range of industries, where failure "in service" is simply not an option.

Everything we do is aligned to ensure we are Making Tomorrow Safer Than Today.

We exist to help all our customers make certain that the materials and products that they make are safe, quality compliant, and ultimately fit for purpose using our 200 years of testing experience and our global testing capabilities.

We Make Tomorrow Safer Than Today.

INDUSTRIES WE SERVE

Our accredited and industry-approved laboratory provides materials testing, product qualification and failure analysis for companies in multiple sectors:

- Aerospace & Defense
- Medical
- Energy
- Transportation
- Other High-Tech Industries

OUR CAPABILITIES

- Elemental Analysis (Combustion or Fusion): Carbon, Hydrogen, Nitrogen, Oxygen, Sulfur
- Inductively Coupled Plasma Mass Spectrometry (ICP-MS)
- OES Analysis: Stainless Steel, Iron, and Nickel Based Alloys
- X-Ray Fluorescence: Low Alloy Steels, Stainless Steel, Steel, Nickel/Cobalt Alloys, Titanium
- Charpy Impact
- Elevated Temperature Tensile
- Room Temperature Tensile
- Stress Rupture
- Metallography:
  - Alpha Case
  - Decarburization
  - Grain Size
  - IGA/IGO
  - Microstructure
  - Sample Preparation
  - Alloy Depletion
  - Weld Evaluation

APPROVALS

- Boeing
- GE
- GKN/Volvo
- Honeywell
- IHI
- ISO
- MTU
- Nadcap
- Roll-Royce
- Safran/Snecma

For a comprehensive list of our services, accreditations and approvals, please visit www.element.com

CONTACT.US@ELEMENT.COM ELEMENT.COM AMERICAS +1 888 786 7555