

Solid Oxide Fuel Cell

Cell and Stack Test Stations



*SOFC X100
Test Station*

Greenlight offers fully automated solutions for SOFC development, conditioning and durability testing.

Features and Options:

- Additional gases available for reformate mixing or impurity simulation
- Optional integrated reformers and de-sulphurization
- Intuitive and dynamic automation capability allowing safe 24/7 operation; no software programming knowledge required
- PLC control with user-friendly graphical user interface
- Programmable electronic load control with reactant-sensitive ramp rates
- User-controlled alarm settings
- Solid Oxide Electrolyser (SOE) option available
- CE certification

Custom Designed SOFC Test Rigs



*Optional Integrated
Natural Gas Reformers*



- » Unique 'walk-in' frame design allows complete access for test article set-up
- » Custom furnace integration
- » Integrated reformer and de-sulphurization
- » Gas blending, reformat simulation and optional in-line gas analysis
- » High temperature, high pressure gas delivery
- » PLC control with automated 24/7 operation through our custom software solutions

Optional Equipment

Robotic Cell Assembly



Fully Configurable Analog Data Acquisition



DC Electronic Load Banks



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