

AGEING AND PERFORMANCE TESTING OF MATERIALS

Up to 2kW fuel cell testing

HYCCO has several test benches to validate the performance of its materials on low and high temperature fuel cells. Ageing test can also be carried out to assess the durability of materials under challenging operating conditions.



MATERIAL PERFORMANCE TESTING

To help our customer validate the performance of our materials, HYCCO can carry out tests on fuel cells according to your operating conditions. Test can be carried out on single cell or short stacks up to 2kW.

AGEING TEST

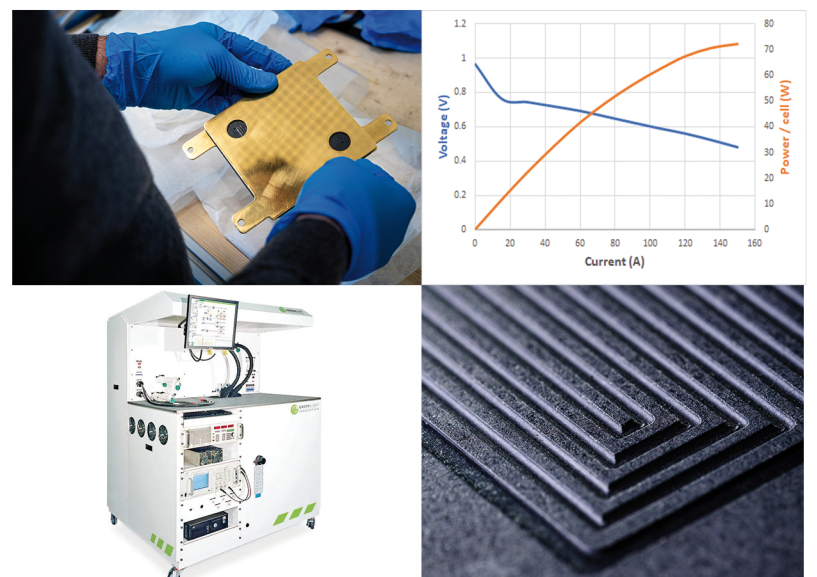
HYCCO can run durability test on fuel cells to evaluate the degradation rate of MEAs, or bipolar plates, in various operating conditions. This will help you to evaluate our technology and the durability of our material in real conditions.

CUSTOM DESIGN

HYCCO can either use its own cell fixture or develop a complete new one that match your requirements. Bipolar plate can be designed to be compatible with your operating conditions, and performance targets (pressure drops, current density, relative humidity etc...).

COMPREHENSIVE REPORT

Full report generated and comprehensive analysis of the results are provided for each study.



MAIN FEATURES

- Single cell or short stack testing
- Compatible with low and high temperature fuel cells
- Full control of relative humidity, pressure, temperature and flow rate
- Internal design or fully customized design possible
- Compatible with liquid cooled stacks

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