

## PEM FUEL CELL STACK - LIQUID COOLED

Up to 10kW or more on request

HYCCO has developed a liquid-cooled fuel cell stack with 150cm<sup>2</sup> active area. The stack is fully functional, from temperature management to cell monitoring voltage, and its design can be upgraded to match your application.

### A UNIQUE BIPOLAR PLATE TECHNOLOGY

HYCCO has developed a unique carbon fiber bipolar plate technology to significantly increase the power density of fuel cells, and meet the needs of the aeronautic market. On this prototype, bipolar plates are 1.4mm thick, whereas our technology targets a thickness < 1mm, for a power density > 7kW/kg.

### RELIABILITY

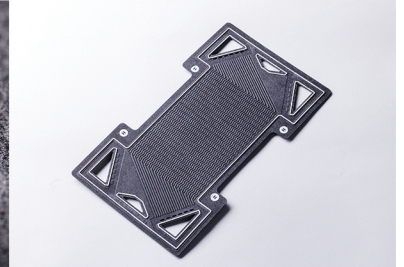
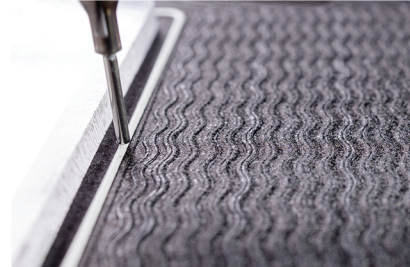
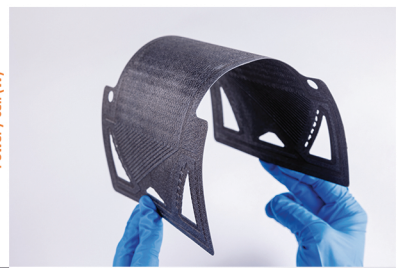
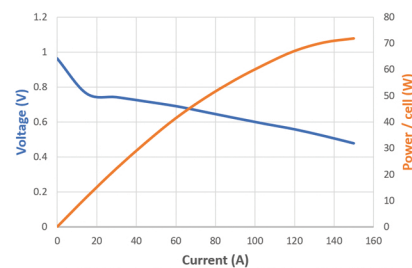
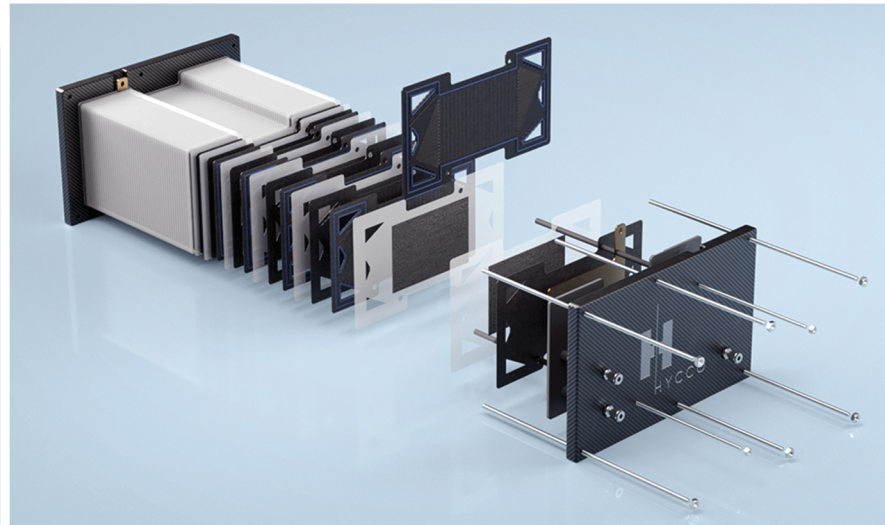
HYCCO carries out systematic quality control on 100% of its components (geometrical control, conductivity, leak test etc...).

We therefore provide a turnkey solution, delivering assembled and sealed bipolar plates, ready to be integrated into your fuel cell.

### CUSTOM DESIGN

Thanks to strong partnerships, HYCCO can develop your entire stack prototype, from flow field design to stack performance testing, to meet the requirements of your application.

We can help you source all components (including MEAs) and industrialize the production of bipolar plates once we have agreed on the stack design.



### MAIN FEATURES

- 150cm<sup>2</sup> Active area, up to 150A
- 295x170x60 mm (LxLxh)
- Fully functional kit with end plates, current collectors, gas manifolds, insulation sheet, MEAs, screws, seals. Comes with spare parts so you are backed up.
- Can be customized to suit your application

FOR INQUIRIES, PLEASE CONTACT US AT:  
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