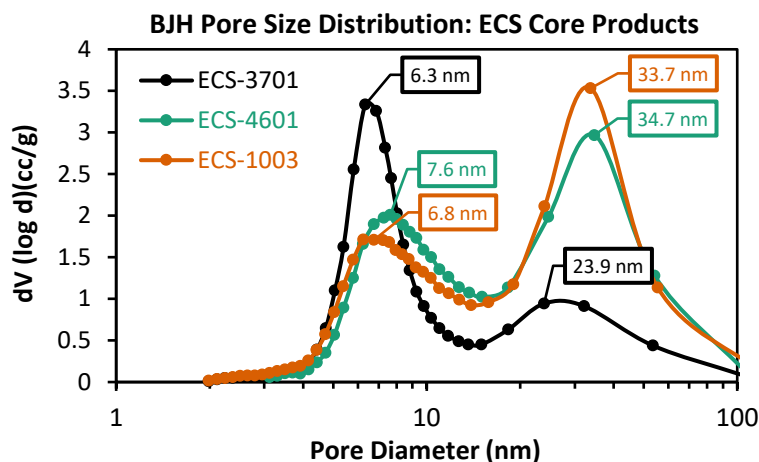
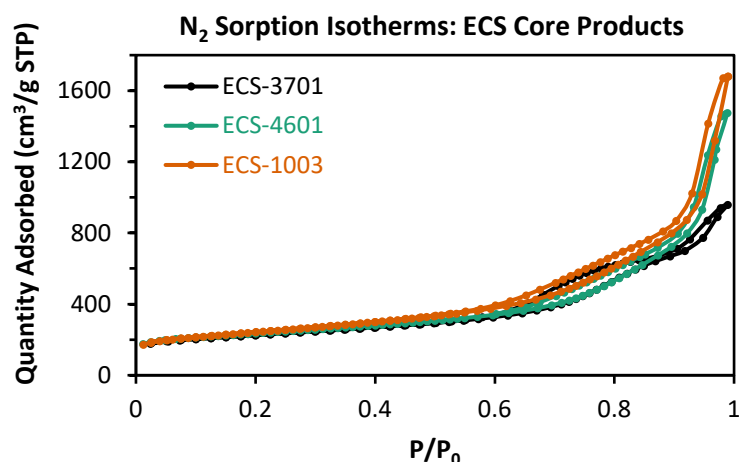


# PAJARITO POWDER ENGINEERED CATALYST SUPPORTS™ (ECS)



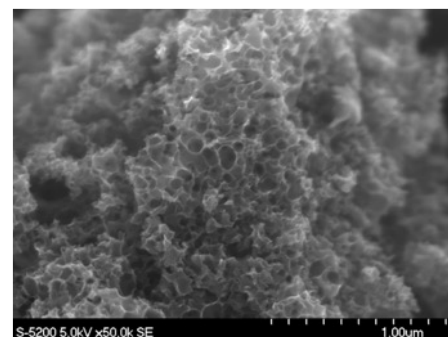
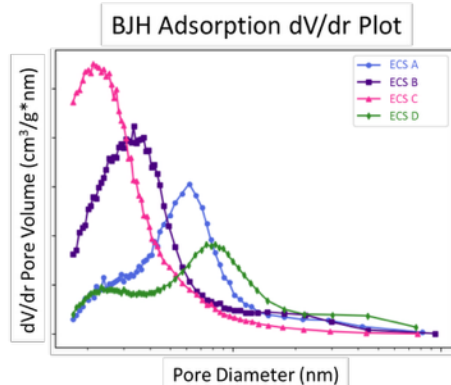
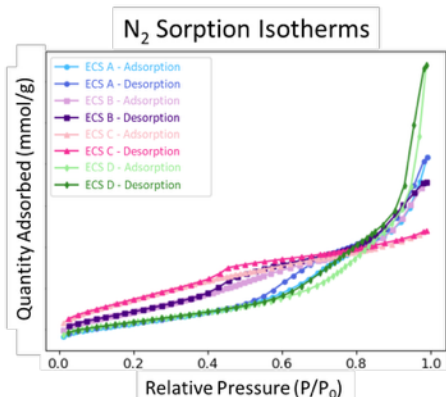
Our ECS products include a series of advanced carbon catalyst support materials developed for fuel cell and electrolyzer applications. Our carbon supports have tunable pores in the 2–50 nm range, and feature high surface areas from 400 – 1000+ m<sup>2</sup>/g. Our ECS is manufactured in kg+ quantities, and our manufacturing capacity is scaling rapidly.

|  CORE PRODUCTS | Description       | BET Surface Area (± 50 m <sup>2</sup> /g) | BJH Primary Pore Size (nm) | Metal Loading Range | d <sub>002</sub> (Å) | Raman I <sub>D</sub> /I <sub>G</sub> |
|-------------------------------------------------------------------------------------------------|-------------------|-------------------------------------------|----------------------------|---------------------|----------------------|--------------------------------------|
| ECS-3701                                                                                        | Mesoporous carbon | 725                                       | 6 & 24                     | Up to 50 wt%        | 3.61                 | 0.89                                 |
| ECS-4601                                                                                        |                   | 850                                       | 8 & 35                     |                     | 3.68                 | 0.89                                 |
| ECS-1003                                                                                        |                   | 810                                       | 7 & 34                     |                     | 3.70                 | 0.85                                 |



## Additional Features and Tunability

**Our VariPore™ process and advanced graphitization allows for targeted syntheses to control carbon surface area, pore volume, and pore size distribution**



|  CUSTOM CARBON MATERIALS | BET Surface Area            | BJH Primary Pore Size | BJH Secondary Pore Size | Pore Volume                  |
|------------------------------------------------------------------------------------------------------------|-----------------------------|-----------------------|-------------------------|------------------------------|
|                                                                                                            | x – 1200+ m <sup>2</sup> /g | 2 – 10 nm             | 10 – 50 nm              | 1.0 – 3.0 cm <sup>3</sup> /g |

Our ECS is unique and processes differently than conventional carbons. For recommendations on ink and coating formulations, please contact us.

Carbons can also be customized in degree of graphitization and heteroatom doping

5555 McLeod Rd NE | Albuquerque, NM 87109 | (505) 293-5367  
www.PajaritoPowder.com | info@PajaritoPowder.com