

**Materials List for:**

# Emission Spectroscopic Boundary Layer Investigation during Ablative Material Testing in Plasmatron

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## Materials

| Name                               | Company                   | Catalog Number              | Comments   |
|------------------------------------|---------------------------|-----------------------------|--|
| Carbon-bonded carbon fiber preform | MERSEN (CALCARB)          | CBCF 18-2000                | sample shape was a hemisphere of 25 mm radius attached to a 25 mm cylinder |
| UV-VIS-NIR Spectrometer            | Ocean Optics              | HR4000                      |  |
| Optical fiber                      | Ocean Optics              | QP600-2-SR/BX,              | modified fiber cladding for fixation                                       |
| SpectraSuite                       | Ocean Optics              |                             |  |
| Lens, plano-convex                 | Ocean Optics              | LA4745, 750 mm focal length |  |
| Two-color pyrometer                | Raytek                    | Marathon Series MR1SC       |  |
| Digital Delay Generator            | Stanford Research Systems | DG535                       |  |
| High-speed camera                  | Vision Research           | Vision Research Phantom 7.1 |  |