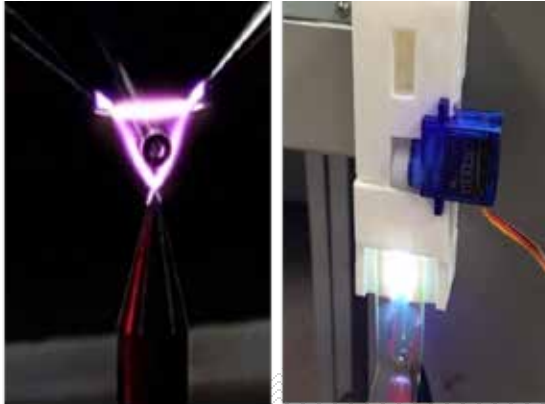


Technology Overview

- § Benchtop miniature preforms and short length fibers fabrication system
- § Compact, low cost, fast and flexible fabrication
- § Promising and suitable for rapid specialty optical fibers prototyping
- § Compliment standard MCVD fiber preforms fabrication process

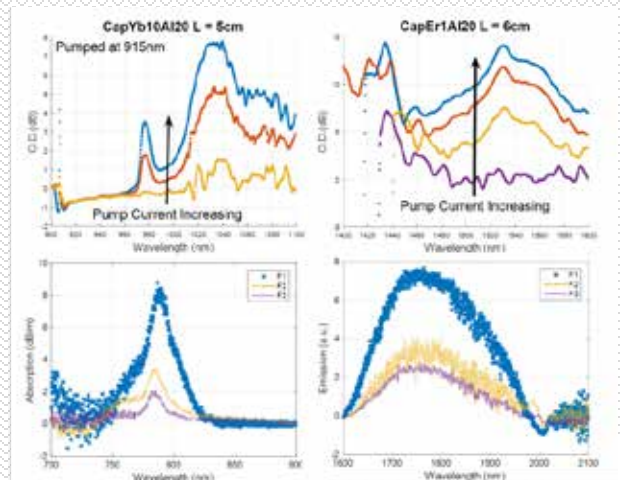


Capillary in plasma action

Vertical and portable fiber recoating

Technology Features

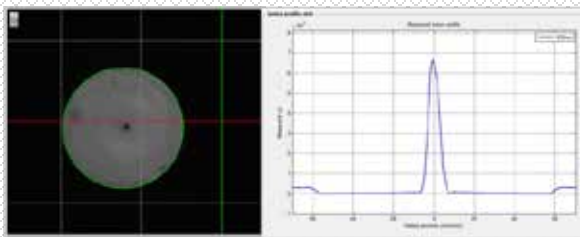
- § Mimic standard MCVD process
- § Incorporate with solution doping
- § Mini specialty fiber preforms
- § Short length optical fibers



Spectral responses of fabricated fibers

Benefits

- § Low cost & Reduce wastage
- § Flexible hosts selection
- § Compact & Portable
- § Rapid specialty optical fibers prototyping
- § Exotic glass hosts and new materials capabilities



Fiber end face

Refractive index of fiber



Lateral dimension of preform

Potential Applications

- § Specialty fibers research activities
- § Flexible fiber post processing
- § Education toolkit

