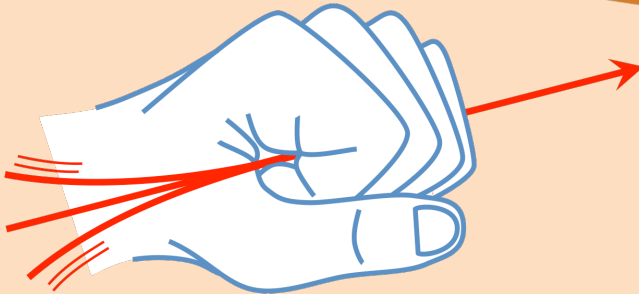


# *Beam Genie*

## Laser Beam Stabilizer



### ***Keeps CVs low!***

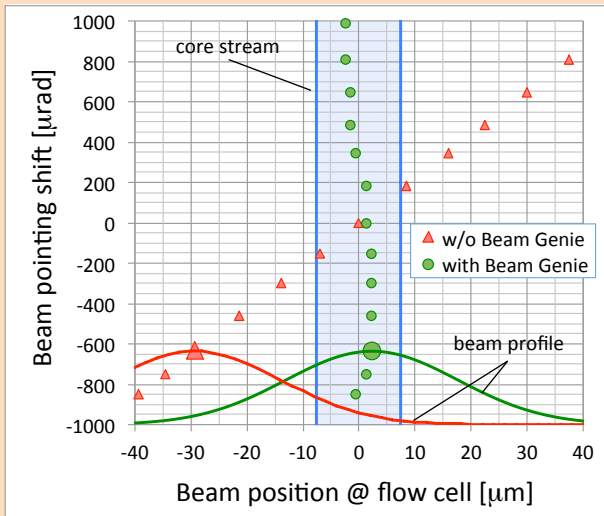
- customizable
- retrofittable
- standalone
- automatic
- compact

***Beam Genie*** is a compact solution that actively compensates for misalignment due to thermal shifts in laser pointing, maintaining proper overlap of beam and core stream.

# Beam Genie Specifications and Results

- automatically keeps beam aligned with core stream
- CVs†:
  - w/o Beam Genie: 19%
  - w/ Beam Genie: < 5%
- fits into existing instruments:
  - 5" x 2 ¼" x 2 ½" (L, W, H)
  - 2 ¼" in beam path
- taps only 2% of beam
  - any  $\lambda$  300-1000 nm

† estimated for 15- $\mu\text{m}$  core, 62- $\mu\text{m}$   $1/e^2$  beam waist, 85-cm beam path,  $\pm 200$ - $\mu\text{rad}$  pointing swing



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