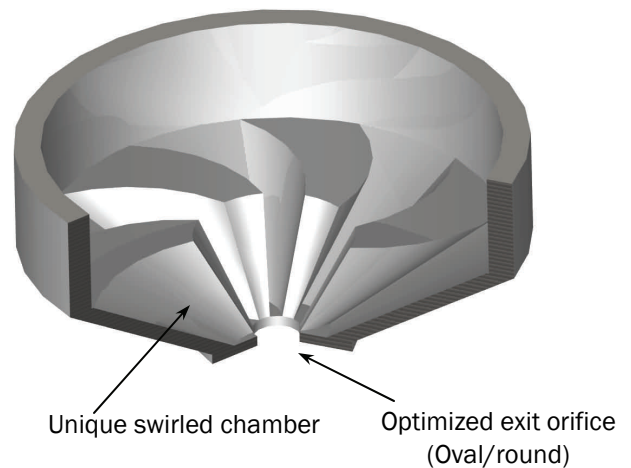
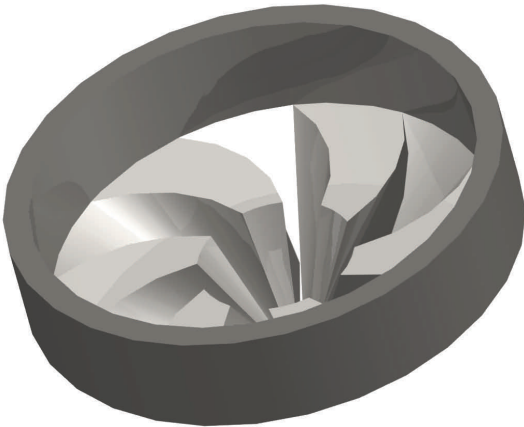


MEMS ATOMIZERS

A SOLUTION FOR EFFICIENT SPRAYING



Features

- Unique conical structure with internal spiral channels to produce an efficient spray
- Optimized exit orifice design produces micro-size droplets and efficient control of spray angles
- Suitability to high temperature (up to 1800 °C) and high resistance to erosions using polymer-derived ceramics (PDC)
- Advanced inverted microstereolithography process enabling fabrication of complex 3-D structures to high precision ($1\mu\text{m}$)
- Suitable for batch manufacturing

MICHIGAN AEROSPACE CORPORATION

1777 Highland Drive Suite B
Ann Arbor, MI 48108-2285

Phone: 734-975-8777

Fax: 734-975-0239

E-mail: zma@MichiganAerospace.com

Potential Applications

- Efficient and reliable fuel injectors for automobiles, aircraft engines, and UAVs
- Nozzles for heat transfer enhancement
- Micro pumps, fine-particulate spray emissions, and many other high temperature and harsh environmental applications