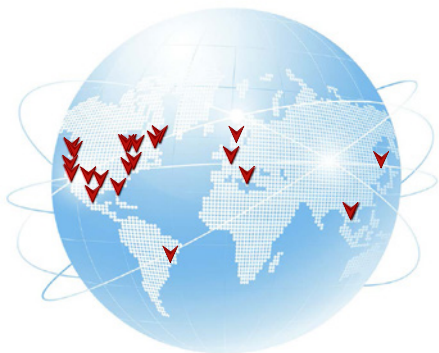


Gamma or E-Beam Facilities



North America

West Memphis, AR
Corona, CA
Gilroy, CA
Hayward, CA
Tustin, CA
San Diego, CA
Gurnee, IL
Schaumburg, IL
Charlotte, NC
Haw River, NC
Rockaway, NJ
Salem, NJ
Westerville, OH
Fort Worth, TX
Mulberry, FL
Hidalgo, MX

Europe

Fleurus, Belgium
Espergaerde, Denmark
Minerbio, Italy

Asia

Shanghai, China
Bangkok, Thailand

South America

Cotia, Brazil
Jarinu, Brazil

CONTACT:

SCOTT GOETZ

Applications Development Manager
sgoetz@sterigenics.com
858.243.0269



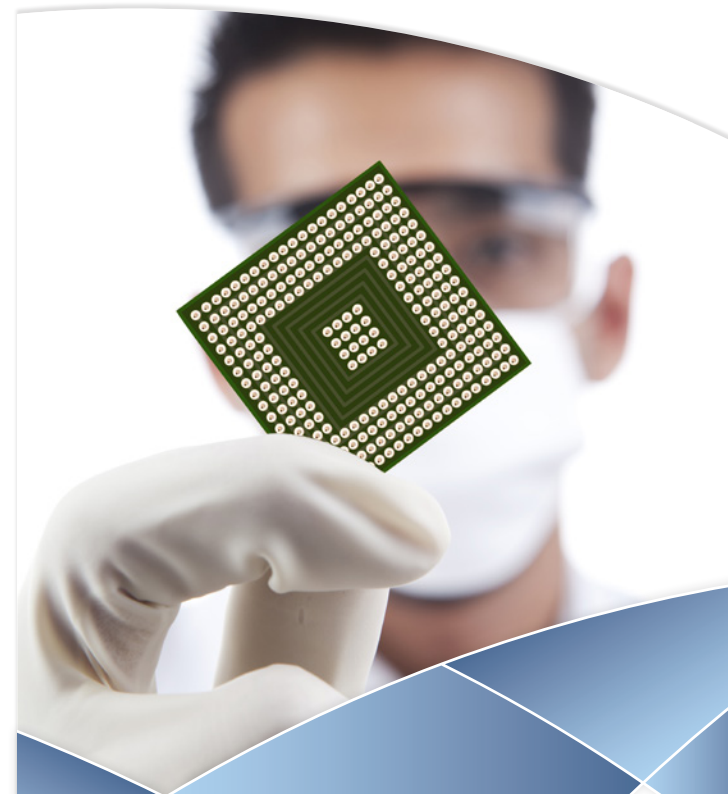
Corporate Headquarters:
Oak Brook, IL USA

1-630-928-1700
www.sterigenics.com



Advanced Applications

The Global Leader In Contract Radiation Processing Services



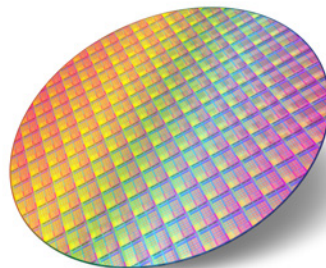
Sterigenics.

Advanced Applications



EXAMPLES OF THE MOST COMMONLY TREATED PARTS INCLUDE:

- > UHMWPE implants (Ultra High Molecular Weight Polyethylene)
- > Micropowders
- > Catheter tubing
- > Heat shrink
- > Pipe
- > Film
- > PTFE
- > Electrical components
- > Automotive components



WHAT IT IS:

Sterigenics Advanced Applications specializes in electron beam and gamma radiation processing services to enhance products, processes and materials by improving strength, decreasing weight, improving temperature and chemical resistances.

Beneficial results across a breadth of industries including the medical, automotive, aerospace, semiconductor, the polymer industries and many more.

KEY BENEFITS:

Polymers (Resins or formed parts)
Advanced Radiation Processing can improve polymer:

- > Melt temperature
- > Chemical resistance
- > Wear resistance
- > Impact strength
- > Elongation
- > Memory effects
- > Environmental Stress Crack Resistance (ERSC)
- > High temperature applications

Power Semiconductors

Electron beam processing is used to improve or tailor the switching speeds, recovery times and other electrical properties of:

- > Silicon wafers
- > Diodes
- > IGBTs
- > PPTC

Radiation Hardness

Both nuclear and aerospace industries leverage Advanced Radiation Processing to certify the life expectancy of various components used in these environments, including:

- > Satellite components
- > Wire
- > Cable
- > Pumps
- > Coatings used in power plants