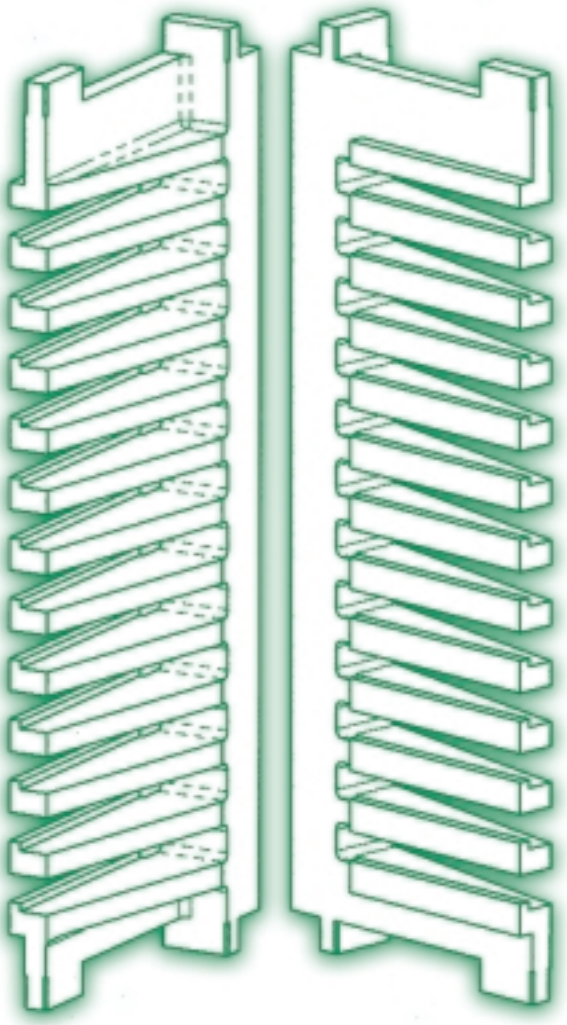
POCO

Moving Technology Forward

SUPERSiC VERTICAL CARRIERS



Design Features

- Designs to fit all major vertical furnaces
- Slot Dimension Integrity
- Unique POCO T-rail designs
- Design offers high strength and reduced surface area
- Patented "long tooth" rail for 200 mm and above
- designed to reduce slip in high temp processes
- improved wafer support prevents sag

Component Flexibility Options

- POCO mated pedestal and carrier assembly
- Carrier base can be modified to fit customer's existing pedestal
- New pedestal can be designed to meet customer specified requirements

Material

- High purity silicon carbide
- Uniform SiC material without backfills, agents or additives
- Fab qualified materials and designs
- Reduced particles and improve yields vs. quartz and sintered SiC materials.
- Lower thermal mass for quicker cycling

Increased Run Life

- Better film adhesion.
- Reduced cleaning frequency due to CTE match with deposited films
- Reduced particle generation
- Reduced downtime

Cleaning

- Customer's existing cleaning techniques can be used
- SUPERSiC-4 can be acid cleaned
- Dimensional integrity maintained up to 1900 degree C and after repeated cleaning cycles.

Increased Run Life

- Customer's existing cleaning techniques can be used
- SUPERSiC-4 can be acid cleaned
- Dimensional integrity maintained up to 1900 degree C and after repeated cleaning cycles.

Cost of Ownership

- Poco SuperSic-4 provides the lowest COO for the vertical furnace environment.

NO CHEMICAL OR THERMAL DEGRADATION

BETTER FILM ADHESION MEANS REDUCED PARTICLE GENERATION

LONGER RUN CYCLES BETWEEN CLEANINGS

MANUFACTURING PROCESS THAT DOESN'T REQUIRE MOLDS

POCO GRAPHITE

Poco Graphite, Inc., 1601 South State Street, Decatur, Texas 76234 USA • 1-877-762-6747 (Toll Free Direct) • 1-940-393-4472 • http://www.poco.com • e-mail: semiconductor@poco.com
EUROPEAN REGIONAL OFFICES • Poco Graphite, SARL, 1, rue des Vergers, 69760 Limonest – FRANCE • Tel: +33 (0)4 72 52 00 40 • Fax: +33 (0)4 72 52 00 49 • e-mail: sales@poco-graphite.fr
ASIAN REGIONAL OFFICES • Poco Graphite, Inc., 30 Robinson Road, #02-02 Robinson Towers, Singapore 048546 • Tel: +(65) 227-2400 • Fax: +(65) 227-2963 • e-mail: pocosg@singnet.com.sg