



INDUSTRY CONTRIBUTORS AND SUPPLIERS

by David W. Richerson and Douglas W. Freitag

Many ceramics companies have extensive experience working with industry to design, fabricate, and supply ceramic components to meet the Industry needs. Following are two tables listing companies that provided input to this document and that are capable of providing design support and supplying developmental and production ceramic components. Table A.1 covers monolithic (and some coatings) ceramic suppliers. Table A.2

lists continuous fiber ceramic composite suppliers. This is not meant to be a complete list of ceramic suppliers; other sources can be found in CeramicSOURCE, a company directory published by the American Ceramic Society, 735 Ceramic Place, Westerville, Ohio 43081-8720. Ceramic-SOURCE also has an extensive listing of sources of refractories.

Table A.1. Monolithic ceramics

Company	Ceramic materials	Address and contact
Advanced Refractory Technologies, Inc.	Developmental diboride materials for aluminum electrolysis electrodes; diamond-like coatings	699 Hertel Ave. Buffalo, NY 14207 <i>Donald Bray</i> Phone: 716-875-4091
AlliedSignal Ceramic Components	Silicon nitride	2525 W. 190th St. Torrance, CA 90509-2960 <i>Mike Meiser</i> Phone: 310-512-5916
Ceradyne, Inc.	Silicon nitride, silicon carbide (SiC), aluminum nitride (AlN), boron carbide, alumina, titanium diboride	3169 Red Hill Ave. Costa Mesa, CA 92626 <i>Dave Reed</i> Phone: 714-549-0421
Coors Ceramics Company, with numerous subsidiaries supplying specialty products (such as Wilbanks in Hillsboro, Oregon, that is a major ceramics partner with the papermaking industry)	Alumina, zirconia, toughened alumina and zirconia, mullite, SiC, cordierite, porcelain	600 Ninth St. Golden, CO 80401 <i>Brian Seegmiller</i> Phone: 303-278-4000
Corning, Inc.	Glass, ceramics, glass-ceramics, cordierite honeycomb	Sullivan Park FR-2 Corning, NY 14831 Phone: 607-974-3738
Kyocera Industrial Ceramics Corporation	Alumina, zirconia, toughened alumina and zirconia, silicon nitride, SiC, mullite, low expansion ceramics, cermets, AlN, alumina-titanium carbide, sapphire	100 Industrial Park Rd. Mountain Home, NC 28758 <i>Dave Williams</i> Phone: 704-693-8244
PRAXAIR Surface Technologies, Inc.	Broad range of ceramic coatings and methods for their application	1555 Main Street Indianapolis, IN 46224 <i>Ian Masterson</i> Phone: 317-240-2240
Saint-Gobain Industrial Ceramics. Key divisions in the United States are Carborundum and Norton.	Carborundum/Norton Structural Ceramics: Hexoloy [®] SiC, silicon nitride, AlN, boron carbide Norton: alumina, zirconia, toughened alumina and zirconia, SiC, alumina-zirconia-silica (AZS), Rockide coating, diamond coatings, and others	Carborundum/Norton Structural Ceramics 23 Acheson Dr. Niagara Falls, NY 14303 <i>Jack Ruppel</i> Phone: 716-278-6014 Cerbec (bearings) 10 Airport Park Rd. East Granby, CT 06026 <i>Tony Tagliavore</i> Phone: 860-653-8071 Norton Pakco 55 Hillview Ave. Latrobe, PA 15650 <i>Vince Pimpinella</i> Phone: 724-539-6012

Table A.2. Ceramic matrix composites

Company	Materials	Address and contact
AlliedSignal Composites, Inc.	Chemical vapor infiltration (CVI) silicon carbide (SiC)/SiC, melt-infiltration SiC/SiC, and alumina/SiC continuous fiber ceramic composite (CFCC) materials	1300 Marrows Rd. P.O. Box 6077 Newark, DE 19714-6077 <i>Phillip Craig</i> <i>Phone: 302-456-6577</i>
Amercan Synterials, Inc.	CVI SiC/SiC CFCC, CVD coatings	318 Victory Drive Herndon, VA 22070 <i>Richard Engdahl</i> <i>Phone: 703-471-9310</i>
B.F. Goodrich	CVI SiC/SiC and melt infiltration SiC/SiC CFCCs	11120 S. Norwalk Blvd. Santa Fe Springs, CA 90670 <i>Roberta Hines</i> <i>Phone: 562-944-6244</i>
Dow Corning Corporation	PIP SiC/SiC CFCC.	3901 S. Saginaw Rd. MS-500, Midland, MI 48686 <i>Andy Szweda,</i> <i>Phone: 517-496-4558</i>
3M Company	SiC and oxide fibers in SiC and oxide matrices	3M Center Bldg. 225-4N-07 St. Paul, MN 55144-1000 <i>Steve Forshap</i> <i>Phone: 612-736-9624</i>
McDermott Technology, Inc.	Oxide/oxide CFCC materials	Mount Athos Rd. P.O. Box 11165 Lynchburg, VA 24506-1165 <i>David L. Baty</i> <i>Phone: 804-522-5472</i>
Textron Systems Corporation	SiC fibers in nitride-bonded SiC matrix	2 Industrial Ave. Lowell, MA 01851 <i>Bill Darden</i> <i>Phone: 978-452-8961</i>

