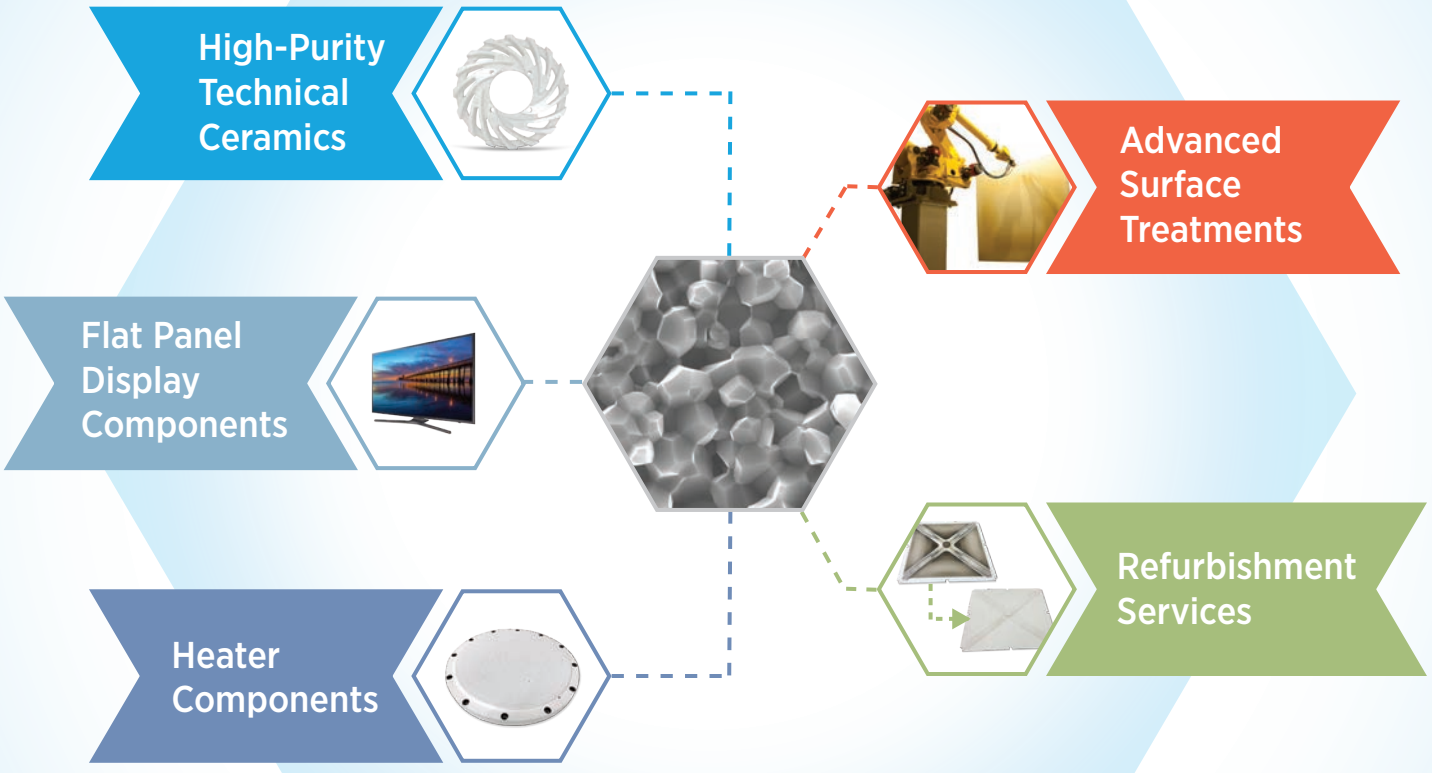
KemaTek™ Technical Ceramics



www.kematek-en.com

INTRODUCTION

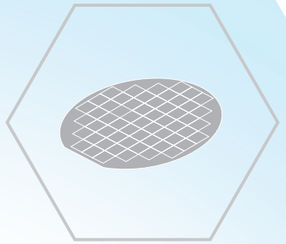
Customer Centric
Established in 2009, KemaTek Technical Ceramics is an independently owned global company specializing in advanced ceramics and surface treatments. We consistently place the customer above all else. In particular, we work with high-technology manufacturers requiring superior levels of quality, ultra-pure materials, and consistent and reliable service.

Vertically Integrated
To achieve these levels of quality, purity, and service, KemaTek vertically integrates each of the critical elements required for consistent manufacturing. Owning every step of the advanced ceramic and surface treatment processes from research and development all the way through to precision cleaning and packaging of finished goods, KemaTek ensures each step is done with exceptional care and attention.

Preserving Customer IP
Our customers require highly secure control of their intellectual property. KemaTek employs state-of-the-art IP protection technologies and processes to ensure our customer's IP is never at risk.

Growth for Customer Needs
KemaTek continues to expand its product and service offering as customer needs grow. Continuous investment in R&D, facility capabilities, and technical personnel enable world-class support for our customers.

Vertical Integration
KemaTek is a vertically integrated, advanced materials solution provider. Owning every step of the process from materials research & development to powder preparation, sintering, machining, cleaning, & final inspection gives KemaTek the ability to monitor and tightly control every step in the process.



Technology Driven
KemaTek is committed to high-technology markets and invests heavily in research & development, process integration, and advanced manufacturing technologies

Advanced & High-Purity Materials
KemaTek specializes in high-purity, advanced materials components to support the most demanding customer applications

Global
KemaTek serves industry-leading customers around the globe with world-class components and integrated assemblies

Superior Service
Our culture is committed to provide superior service and enables each of our team members to ensure customers receive excellent care

Integrity
- IP protection focus
- Clear communication
- ISO certification
- Highly-trained personnel

CONTENTS

TECHNICAL CERAMICS

State-Of-The-Art Equipment
With our customer's future needs in mind, our innovative, continuous-improvement culture drives consistent investment in leading-edge technologies, processes, and equipment. KemaTek uses advanced powder processing, forming, sintering, CNC machining, and quality control equipment to ensure the highest quality components.

ISO 9000 Certification
KemaTek complies with ISO and other industry Best Known Methods (BKMs) to meet the high standards of advanced-technology markets like semiconductor manufacturing equipment, medical, energy, and automotive.

Capable and Dedicated Teams
KemaTek retains a technical advantage, a high level of engineering involvement in every project, and quality service for its customers.

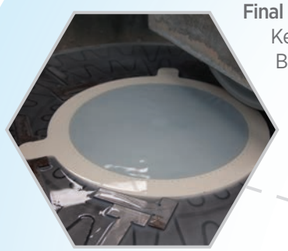
Process Integration
KemaTek has a wide array of capabilities. Each of these offer our customers a higher level of integration and customization:
- Refurbishment services
- Plasma spray for multiple materials
- Assembly services

Additional Services
Building the premier one-stop provider, KemaTek continues to invest in technologies for value-added services including:
- Specialized surface treatments
- Precision cleaning & refurbishing
- Assembly services
- Cleanroom packaging

Research & Development
Working closely with our customers, we develop and formulate materials most suited to their needs

Final Inspection, Cleaning, & Packaging
KemaTek uses industry-leading BKMs for cleaning, inspection, and packaging to ensure products are received in specification and in good condition

Material Milling
Combining proprietary ceramic powders and binders to a uniform slurry



Refurbishing Services
Extending the life of used components, KemaTek provides complete refurbishing services

Spray Drying
Converting prepared slurry to a fine spherical format for use in forming equipment

Process Controls

Vertically Integrated Manufacturing

Process Controls

Surface Treatments
KemaTek provides advanced surface treatments for specialized components:
- Bead blasting
- Plasma spray
- Arc spray
- Anodization
- Advanced chamber components cleaning

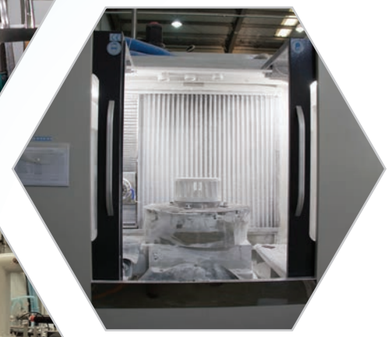
Forming / Pressing
KemaTek employs dry presses, isostatic presses, or injection molding to form components to near-net or net shape sizes depending upon part complexity and application

Machining & Finishing
Enabling large-scale, high-volume products, KemaTek offers multiple-axis, high-precision machining and finishing

Green Machining
Additional features are machined prior to sintering process to ensure cost-effective manufacturing

Sintering
Using state-of-the-art furnaces with optimal firing profiles, we ensure quality components

TECHNICAL SUMMARY



Research & Development Labs
KemaTek offers dedicated researchers and well-equipped labs to develop new materials supporting our customer's ever changing material requirements.

Material Properties Testing
- Mechanical
- Physical
- Thermal
- Electrical
- Chemical

Vertically Integrated Material Preparation
From formulation and characterization to milling and spray drying, KemaTek makes its own high-purity ceramic materials.

Surface Treatments
KemaTek utilizes a wide range of advanced surface treatments to transform semiconductor and flat panel display ceramic chamber components to extend equipment lifecycle.

Forming Technologies
- Isostatic press: Plates up to 2300 mm long (sintered)
- Dry press
- Injection molding: Mass volume small, complex, precision parts
- Extrusion for silicon carbide materials

Advanced Sintering
- Length up to 1,600 mm (63 inch)
- Height up to 1,000 mm (40 inch)

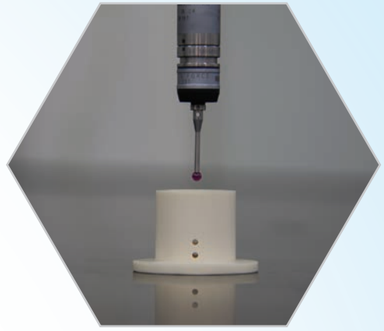
Precision Grinding
- Length up to 3,800 mm (149 inch)
- O.D. up to 800 mm (31.5 inch)
- CNC length up to 1,500 (59 inch)

Surface Grinding
Large-format precision grinding for high-volume production

Dimensional Precision and Tolerances
- As sintered: ±1% (up to ± 0.3 mm)
- Flatness: ≤ 3 μm/Φ 485 mm
- Cylindricity: ≤ 2 μm/Φ 200 x L350 mm
- Surface roughness: Ra 0.01 ~ Ra 0.2 or equivalent
- Hole diameter capability: Φ 0.3 mm

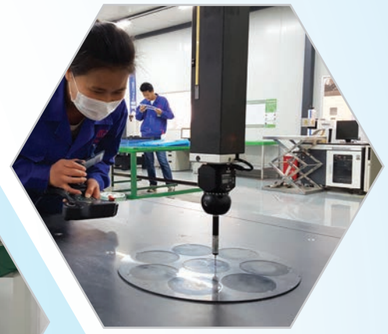
KemaTek is continuously upgrading our capabilities. For the latest specific maximum dimensions and configurations, please visit our website and/or contact a KemaTek sales representative.

QUALITY MANAGEMENT



Introduction
The KemaTek Quality Management System is second to none. We use state-of-the-art equipment and follow third-party audited, industry-leading standards throughout our processes including a safeguarded all-electronic quality monitoring system.

Certifications:
- ISO9001:2015 — Quality Management System Certification
- ISO14001:2015 — Environmental Management System Certification
- ISO27001: Information Security
- ISO45001: Health & Safety
- IATF16949: Continuous Improvement



Quality & environment system certification of the international authoritative organization GIC

State-of-the-art Coordinate Measurement Machines (CMMs)
Our equipment includes large-scale automatic CMMs, precision image measuring instruments, and high-precision flatness measuring instruments.

ALUMINAS
Aluminum Oxide Al_2O_3

One of the most robust technical ceramic materials, high-purity aluminas feature enhanced corrosion and wear resistance. Microstructures and electrical resistivity can be tuned to specific applications.

Primary Features
- Electrical insulating properties
- Heat resistance
- Wear resistance
- Electrical insulator
- High dielectric strength
- Low dielectric loss
- Corrosion resistance
- Plasma resistance

Applications
- Semiconductor manufacturing equipment components (high-purity)
- Medical components
- Electrical insulation
- Wear-resistant components
- Machinery
- Fluid handling

Materials
- KMT-97 — >96% Al_2O_3
- KMT-998 — >99.8% Al_2O_3
- K1 — >99.8% Al_2O_3
- KMT-999 — >99.9% Al_2O_3

Dome
Semiconductor

Valve Components
Fluid Handing

Laser Wall Components

Focus Ring
Semiconductor

Nozzles
Semiconductor

Precision Plate
Semiconductor

Precision Ring
Semiconductor

ALUMINUM NITRIDES
AlN

Aluminum nitrides (AlN) combine excellent thermal conductivity and high thermal shock resistance with superior electrical insulation. Aluminum nitrides provide electrical insulation while also dissipating heat effectively in applications where other ceramics are prone to thermal shock. Typical applications include high temperature, high-intensity light emitting diodes (LEDs), and semiconductor manufacturing equipment applications.

Primary Features
- Thermal conductivity
- Thermal stability and shock resistance
- Electrically insulative
- Plasma resistance

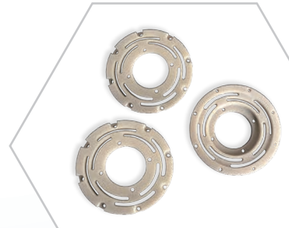
Applications
- Semiconductor manufacturing equipment components
- Electronic substrates
- Heater components
- Transportation components

Materials
- KMT-AlN (A1) — >96% AlN
- KMT-AlN180 (T) — >96% AlN
- KMT-AlN (P1) — >99.5% AlN

Rod Blank

Substrate
LED Electronics

Slotted Disc
Semiconductor



Valve Discs
Injection Molded

Precision Component
Machinery

Cooling Box
Transportation

ZIRCONIAS
Zirconium Oxide ZrO_2

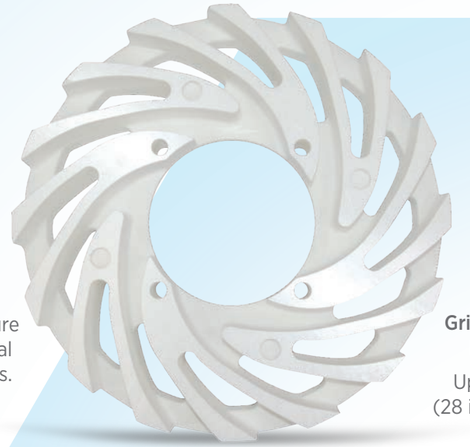
Known for their high mechanical strength and fracture toughness, zirconias are ideal for extreme mechanical environments, particularly impact-prone applications. Certain zirconia compositions provide enhanced fatigue-loading resistance.

Yttria-stabilized zirconia's properties include exceptional toughness, flexural strength, and high-temperature stability.

Primary Features
- High mechanical strength
- Enhanced fracture toughness (impact resistance)
- Mechanical strength
- High-heat resistance
- Thermal expansion near metal
- Corrosion resistance
- Natural lubricity

Applications
- Wear-resistant components
- Mechanical components
- Tools and molds
- Fluid handling
- Heat insulation material

Materials
- KMT-ZrO_2 (YTZP) — >95% ZrO_2
- KMT-ZrO_2 (YTZP-MS) — >95% ZrO_2



Grinding Wheel
Machinery

Up to 710 mm (28 inch) diameter

Star Gear
Machinery

Slotted Filter
Fluid Handing

Sorting Component
Fluid Handling

Seal Ring
Fluid Handling

Pin Brazed Screw
Semiconductor

ZIRCONIA TOUGHENED ALUMINA
ZTA

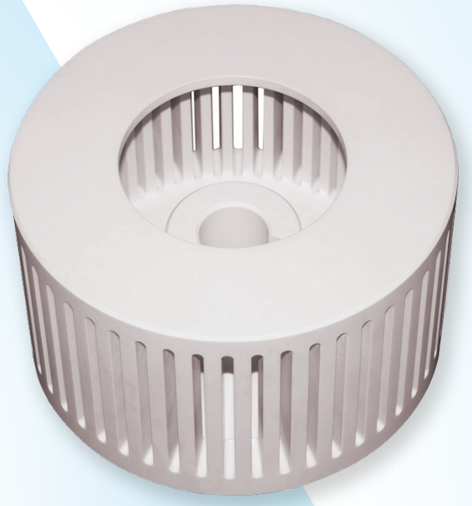
Zirconia toughened alumina is a composite ceramic material comprising alumina and zirconia. This material provides added strength and thermal shock resistance over alumina but at less cost than zirconia.

ZTA composites are commonly used in structural applications, cutting tools, and medical applications. Additionally, ZTA composites feature high strength, fracture toughness, elasticity, hardness, and wear resistance.

Primary Features
- Improved strength over alumina
- Impact resistance
- Thermal resistance
- Improved hardness

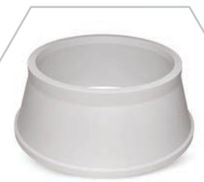
Applications
- Wear components
- Pump components
- Valves
- Impellers
- Particulate abrasion components

Material
- KMT-ZTA85 — >85% Al_2O_3



Filter Component
Fluid Handling

Various Components
Chemical Process



Nozzle Component
Oil & Gas

SILICON CARBIDE
SiC

Silicon Carbides offer exceptional hardness, corrosion resistance, wear resistance, superior strength, excellent thermal conductivity, and maintains good mechanical properties at high temperatures.

Primary Features
- High hardness
- Wear resistance
- Excellent mechanical properties at high temperature
- Corrosion resistance
- High strength
- Excellent thermal conductivity
- Good thermal shock resistance
- Best stiffness to weight ratio

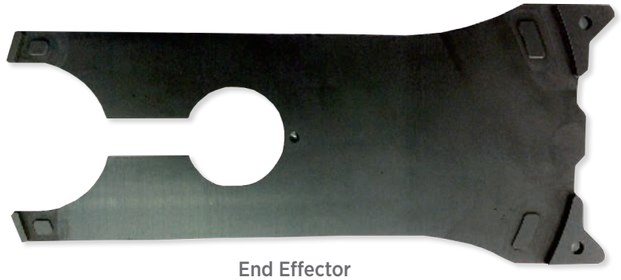
Applications
- Semiconductor manufacturing equipment components
- High-temperature components
- Sealing components
- Wear-resistant components
- Components requiring high-stiffness

Materials
- KMT-SSiC
  Direct Sintered SiC
  >99.9% SiC
- KMT-SSiC (P)
  High-Purity Direct Sintered SiC
  >99.96% SiC
- KMT-SiSiC
  Siliconized SiC
  >99.9% SiC

Wafer Carrier
Semiconductor

Sleeve
Oil & Gas

Tall Sleeve
Oil & Gas



End Effector
Semiconductor

SILICON NITRIDE
Si_3N_4

Silicon nitrides have a unique grain structure which delivers high strength, toughness, and very good thermal shock resistance — making it ideal for applications with high dynamic stresses, thermal stress, and high reliability requirements. This unique combination of material properties provides advantages in severe-service applications such as turbines and high-end ball bearings.

Primary Features
- Wear resistance
- Corrosion resistance
- High mechanical strength and toughness
- Electrically insulating
- Thermal shock resistance

Applications
- Wear-resistance components
- Semiconductor manufacturing equipment components
- High-temperature components

Material
- KMT-SiN — >97% Si_3N_4

Seal Ring
Fluid Handling

Seal Face
Oil & Gas

Custom Component
Machinery

ADDITIONAL MATERIALS

- Sapphire
- Quartz
- Machinable Ceramics
- Conductive Ceramics
- Customer-specific formulations available

FLAT-PANEL DISPLAY

INTRODUCTION

KemaTek offers state-of-the-art, large-format (up to G10.5) display and single wafer chamber component manufacturing and refurbishing services. KemaTek closely follows industry established procedures and ensures every component and assembly meets or exceeds customer requirements.

Capabilities
- Large-format manufacturing equipment (G10.5)
- Precision cleaning for FPD — high volume
- Complete refurbishment processes
- Rigorous quality assurance program

VERTICALLY INTEGRATED NEW COMPONENT MANUFACTURING

Large-Format, High-Purity Alumina Components
Mass production capabilities >3800 mm.

Parts for:
- CVD
- PVD
- Etch

Dry Etch Electrodes
- Highly automated
- G10.5 metal machining

Components
- Diffusers
- Susceptors (refurbish only)
- Backing Plates
- Shadow Frames

Before

After

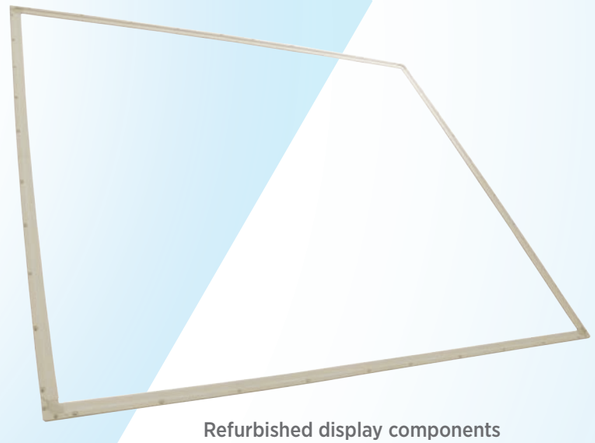
COMPLETE DISPLAY COMPONENTS REFURBISHMENT SERVICES

Comprehensive Refurbishment Gives Old Parts New Life!

KemaTek provides all the services required to make your older components fully functional and operating like new.

- **CVD & PVD ceramic components**
- **Diffusers & susceptors**
- **Etch components**
- **Upper and lower electrodes**

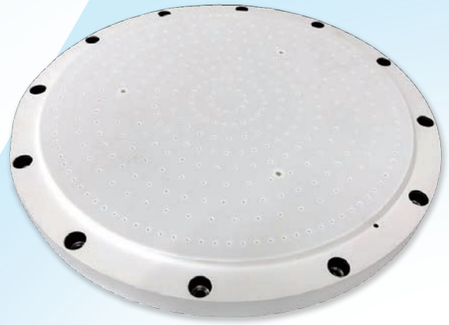
Services & Capabilities
- Chemical strip and clean
- Fully-automated bead blasting
- Fully-automated plasma spray
  - Materials:
    - Yttrium oxide — Y_2O_3
    - Yttrium fluoride — YF_3
    - Yttrium oxyfluoride — YOF
    - Alumina — Al_2O_3
- Twin-Wire Arc Spray (TWAS)
- Anodizing
- Wet blasting



Refurbished display components

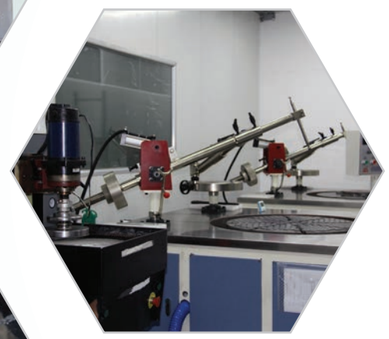
HEATER COMPONENTS

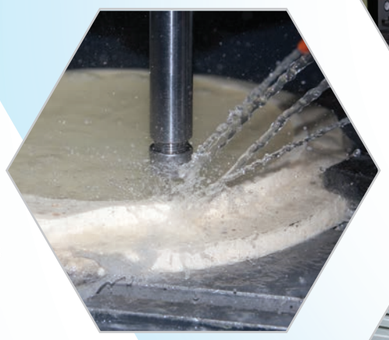
WAFER PROCESSING HEATER COMPONENTS



KemaTek manufactures aluminum nitride heater components for next-gerenation semiconductor processing equipment.

Using our advanced plasma sprays and surface-coating technologies, we restore critical chamber components to original specifications and performance parameters.





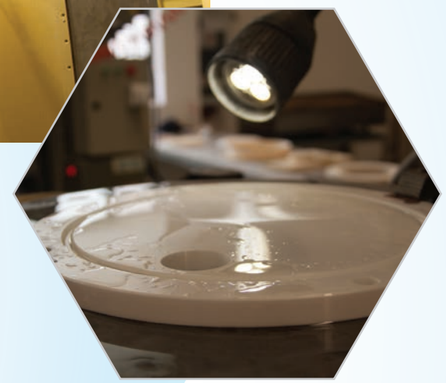
Features

- High-purity advanced ceramic components
- Leading-edge plasma spray coating technologies
- Superior resistance to aggressive plasmas
- Thermally stable
- Superior surface finishes
- Tightly toleranced AlN wafers/substrates.

Capabilities

- Mature AlN manufacturing process
- Proprietary masking techniques
- Advanced plasma-spray technologies
- Precision machining
- Proprietary non-contaminating machining techniques
- High-tolerance, precision fine-hole machining

SURFACE TREATMENT



Precision Surface Finishing

Services

- Chemical striping and cleaning for large-format components
- Fully-automated bead blasting
- Plasma spray coatings available in large formats >3,000 mm sq
  - Materials:
    - Alumina — Al_2O_3
    - Yttrium oxide — Y_2O_3
    - Yttrium fluoride — YF_3
    - Yttrium oxyfluoride — YOF
  - Fully automated 6-axis robots
  - Leading-edge torch heads
  - Coating substrates include:
    - Anodized
    - Aluminum
    - Ceramics
    - Quartz
- Twin Wire Arc Spray (TWAS)
- Anodization — up to 4,000 x 4,200 mm
  - Hard and soft
  - Hot DI seal
- Lapping and polishing up to 700 mm O.D.
- Analysis — complete coating characterization

Coatings on Al_2O_3

REFURBISHMENT SERVICES

Before

After

CLEANING LINE

Visual Inspection

Chemical Stripping & Cleaning

Eliminate Risk of Cross-Contamination

Component cleaning and component refurbishing are separated to eliminate cross-contamination

Vacuum & Baking Ovens for Effective Drying

Efficient, non-contaminating drying process

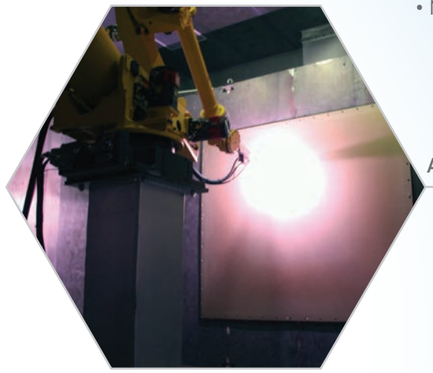
Legend

- Technical Ceramics
- Flat-Panel Display
- E-Chucks & Heaters
- Surface Treatment
- Refurbishment Services

RESURFACING

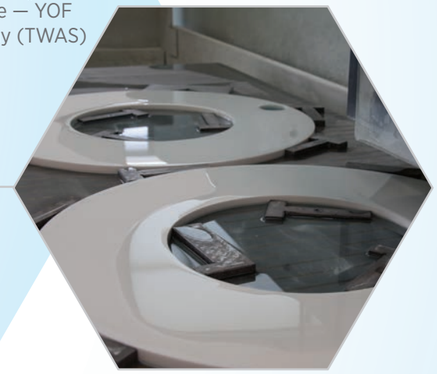
Bead Blasting

- Surface prep prior to plasma spray
- Mechanical strip



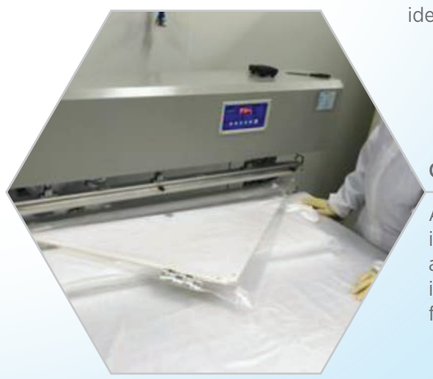
Advanced Coatings

- Plasma spray
  - Alumina — Al_2O_3
  - Yttrium oxide — Y_2O_3
  - Yttrium fluoride — YF_3
  - Yttrium oxyfluoride — YOF
- Twin Wire Arc Spray (TWAS)



Surface Finishing

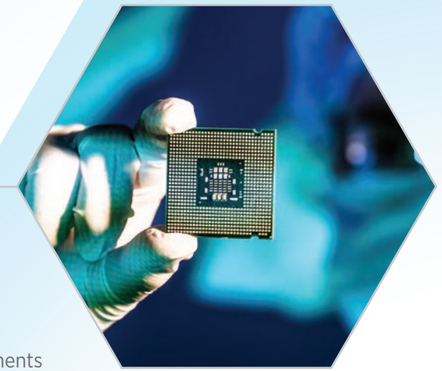
Precision lapping and grinding machines are used to achieve the ideal surface finish



Cleanroom Packaging

After final clean and inspection are complete, all components are packaged in cleanroom and prepared for shipment

MARKETS SERVED



Semiconductor, Display, and Electronics

- Susceptors
- Domes
- Heater components
- Chamber components
- Substrates
- Refurbishment
- Large ceramic components

Industrial Machinery

- Wear components
- Gears
- Seals
- Rings
- Cutting tools
- Grinding & milling
- Pump components
- Custom components
- Material classification
- Textiles

Renewable Energies

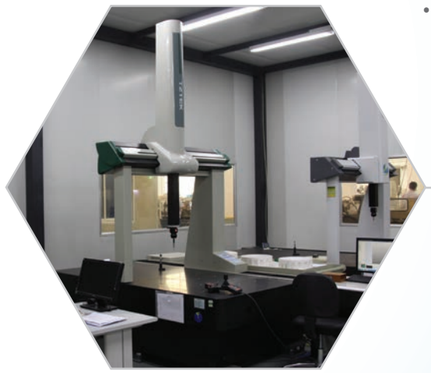
- Bearings
- Wear components
- Custom components
- Electrical insulators
- Battery manufacturing
- Structural components

Oil, Gas, & Petrochemical

- Seals
- Valves
- Custom components
- Severe-duty pump components

Automotive

- Sensor components
- Engine components
- Injectors
- Seals
- Cooling boxes for electric vehicles



Precision Measurement

- Rings
- Beams
- Tables
- Metering pumps

Medical, Dental & Pharmaceutical

- Pumps
- Seals
- Surgical tool components
- Diagnostic equipment components
- Classification equipment components
- Orthopaedic components

Aerospace & Aviation

- Blades
- Bearings
- Wear components
- Insulators
- Custom components

Legend

- Technical Ceramics
- Flat-Panel Display
- Heater Components
- Surface Treatment
- Refurbishment Services

CERAMIC MATERIAL PROPERTIES

Scan this Code for a PDF of this information.

OXIDES

NON-OXIDES

Properties		Temp.	Units	Test	Aluminas Al_2O_3				ZrO_2		ZTA	TiO_2	AlN			Si_3N_4	SiC		
Material Name					KMT-97	KMT-998	K1	KMT-999	KMT-ZrO_2 (YTZP)	KMT-ZrO_2 (YTZP-MS)	KMT-ZTA85	KMT-TiO	KMT-AlN (A1)	KMT-AlN180 (T)	KMT-AlN (P1)	KMT-SiN	KMT-SSiC	KMT-SSiC (P)	KMT-SiSiC
Primary Material Content			weight %	GDMS	>96% Al_2O_3	>99.8% Al_2O_3	>99.8% Al_2O_3	>99.9% Al_2O_3	>95% ZrO_2	>95% ZrO_2	>85% Al_2O_3	>99.9 TiO_2	>96% AlN	>96% AlN	>99.5% AlN	>90% SiN	>99.9% SiC	>99.96% SiC	—
Characteristics					Metallizable, wear resistance.	Excellent wear and heat resistance. Good electrical insulation and dielectric strength, low dielectric loss. High corrosion and plasma resistance.			Excellent mechanical strength and fracture toughness. Good wear and heat resistance.	Best mechanical strength and toughness. Good wear and corrosion resistance. Good resistance to thermal shock.	Enhanced fracture toughness, good mechanical strength, wear and corrosion resistance.	High purity, good electrostatic dissipation.	Optimal thermal conductivity. Excellent thermal shock and plasma resistance. High electrical resistivity. Good thermal and electrical stability.			Lightweight, high wear resistance, and high heat resistance.	High thermal strength, good thermal conductivity, high chemical resistance.	Higher purity, thermal conductivity, and volume resistivity. High corrosion resistance.	Excellent corrosion and abrasion resistance.
Applications					Electrical insulators, metallized ceramic parts	Semiconductor, FPD equipment components, wear and corrosion components. Telecommunications, laser, fluid handling, and powder processing.			Bearings, medical components, wear and heat-resistant components, valves, wire manufacturing, tooling, oil & gas, oxygen sensors		Wear and heat resistant components where mechanical strength is needed at high operating temperatures	Electrostatic dissipative material.	Semiconductor manufacturing equipment, heat dissipating components, plasma resistant components, electrical insulators, substrates			Heat, wear, and corrosion resistant components, bearings, seals, focus rings, valves.	Semiconductor equipment components.	Semiconductor equipment, sealing, and anti-heat components.	Abrasive and corrosion resistant components, automotive.
Bulk Density			g/cc	ASTM-C20	3.70	3.92	3.92	3.95	6.02	6.06	4.16	4.20	3.30	3.30	3.26	3.262	3.14	3.15	3.02
Water Absorption			%	ASTM-C373	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mechanical	Vickers Hardness (Load 500g)		GPa	ASTM-C1327	>16	>17	>16	>19	>12	>12	>17	>8	>10	>9	>10	>15	>25	>26	>20
Mechanical	Flexural Strength		MPa	ASTM-C1161	350	370	380	400	760	1286	434	150	468	405	384	—	360	400	250
Mechanical	Compressive Strength		MPa	ASTM-C773	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mechanical	Young's Modulus of Elasticity		GPa	ASTM-C848	330	386	390	390	330	—	315	—	—	327	—	314	400 (ASTM-C1198)	400 (ASTM-C1198)	330 ASTM-C1198)
Mechanical	Poisson's Ratio		—	ASTM-C848	0.23	0.23	0.24	0.25	—	—	0.25	—	—	0.23	—	0.28	—	—	—
Mechanical	Fracture Toughness		MPa • m^{12}	ASTM-C1421	3.0	4.0— 5.0	4.0 — 5.0	4.0 — 5.0	11.5	11.8	6.2	2.7	4.0	4.2	3.5	6.9	—	—	—
Thermal	Coefficient of Linear Thermal Expansion	25 - 400°C	x 10^{-6}/°C	ASTM-C372	7.10	7.10	7.36	7.48	10.81	—	—	—	4.68	4.82	4.51	—	—	—	—
Thermal		25 - 800°C	x 10^{-6}/°C	ASTM-C372	—	—	8.15	8.22	—	—	—	—	5.34	5.58	5.25	3.30	—	—	—
Thermal	Thermal Conductivity	25°C	W/(m • K)	ASTM-E1461	25	34	32	31	3	—	21	6	178	181	84	34	140 (ASTM-C408)	170 (ASTM-C408)	45 (ASTM-C408)
Thermal	Specific Heat		J/(Kg•K) x10^3	ASTM-E1269	0.78	0.82	0.79	0.76	0.35	—	0.69	0.66	0.76	0.72	0.65	0.66	—	—	—
Thermal	Thermal Shock Resistance		°C	Note 1	200	220	220	220	—	350	—	—	—	—	—	550	—	—	—
Electrical	Volume Resistivity	25°C	Ω • cm	ASTM-D257	> 10^{14}	> 10^{14}	> 10^{14}	> 10^{14}	>10^{12}	—	> 10^{14}	1.5	≥10^{14}	≥10^{13}	≥10^{11}	≥ 10^{14}	10^6 — 10^8	≥10^8	—
Electrical	Dielectric Strength		KV/mm	ASTM-D149	16	16	16	16	14	—	—	—	17.56	16.80	21.79	34	—	—	—
Electrical	Dielectric Constant		—	ASTM-D150	9.0	8.0	10.7	10.4	29	—	—	—	8.7	8.8	8.9	—	—	—	—
Electrical	Dielectric Loss		13.56 MHz	ASTM-D150	—	3x10^{-3}	2.8x10^{-3}	≤5.0x10^{-4}	2.9x10^{-3}	—	—	—	5x10^{-4}	4x10^{-4}	1.7x10^{-4}	—	—	—	—

NOTE: This chart illustrates typical properties. Data may vary with size of part, shape of part, and the manufacturing method employed. Data contained herein is not to be construed as absolute and does not constitute a representation or warranty for which KemaTek assumes legal responsibility.

HISTORY & LOCATIONS

2009 — Established Entity
- Technology development
- Factory construction, equipment installation, product development
- Testing of production line
- First product shipped 2011

2012 — Mass production of high-purity alumina components for IC, LCD, LED, and new energy industries

2013 — R&D and production for Zirconia, ZTA, and AIN materials

2014 — Market expansion to Mainland China, Taiwan, Korea, and Japan

2015 — Expansion into Europe and Japan
- Full operations of cleaning line
- Introduce AIN material to market

2016 — Established ceramic injection molding operations
- R&D for refurbishing and manufacturing of ESC components for LCD and IC industries
- Launch of plasma thermal spray coating operations

2017 — Suzhou II manufacturing facility completed including advanced plasma spray, ESC, and electrodes for IC & display markets

2018 — Sichuan facility completed to expand capacity for large-format parts

2019 — Suzhou III manufacturing facility opened to expand capacity

2021 — Suzhou IV manufacturing facility opened. Aluminum nitride capacity expanded.

2022 — Anhui facility completed to expand capacity for silicon carbide parts.

2023 — Consolidating the Suzhou operations into a single, ultra-modern 845,000 ft^2 campus.

Global HQ Suzhou | Suzhou Facility I | Suzhou Facility II | Suzhou Facility III | Suzhou Facility IV

USA Branch Office | Sichuan Facility | Sichuan Facility II | Anhui Facility

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