



Ceramic Components:

Superior Technical Ceramics
Sienna Technologies - Anderman Ceramics

Aluminum Oxide to Zirconium Oxide, Nitrides, Carbides, Quartz, Sapphire, Macor Forming, Firing, Green Machining, Diamond Grinding, Glazing, Bonding, Polishing, Lapping, Cylindrical Lapping/Honing. CMM, R&D, Reverse Engineering & Testing All of the materials and processes to provide your ceramic requirements.

Ceramic Components



Hermetic Brazed and Welded Assemblies:

INTA Technologies
Sienna Technologies - ECRIM Blue Oceans Laser Services Inc.

Ceramic to Metal, Glass to Metal, Metal to Metal, Brazed, Spot, Laser, TIG, Resistance, Thick Film Metalization, Thermally Stepped Brazing, Vacuum and Atmosphere Brazing, Vacuum Envelopes, Feed Thrus, Hermetic Sealing and Helium Leak Detection

Hermetic Brazing & Welding



Laser Processing:

Laser Services Inc.
INTA Technologies

Laser Cutting, Etching, Welding, Marking, Alloys, Kovar, Moly, Nitinol, Stainless, Oxides, Nitrides, Piezo, Ferrite, LTCC/HTCC, Borosilicate & Fused Glass, Conductive & Frozen Epoxies, Composites, Plastics, Many Metals, Laminates, Polymers & Foils

Laser Processing



Thermal & Plasma Spray Coating:

APS Materials

Aluminum/Alumina, Alumina-Titania, Boron/Boron Carbide, Copper, Hafnium, Magnesium Oxide, Molybdenum, Niobium, Silicon/Silicon Carbide, Tantalum, Tungsten, Titanium, Ytria, Zirconia, Vacuum, Robotic, Large Area, Fine Detail, Materials and Process Engineering, Laboratory Analysis for all Materials

Thermal Plasma Spray Coating



Precious Metal Plating:

INTA Technologies
ECRIM Blue Oceans
Dou Yee Technologies

Gold, Silver, Nickel, Copper, Platinum, Rhodium, Electro-Less, Electrolytic, Selective/Masking, Assemblies, Composites, Rework & Recovery, Barrel & Rack Plating on: Metals, Plastics, Ceramics, Glass, Conductive & Non-Conductive, XRF Measurement. Sinter Diffusion

Precious Metal Plating



Metal & Ceramic Injection Molding:

Dou Yee Technologies
Superior Technical Ceramics
Anderman Ceramics

MIM Components in Stainless 17-4PH, 304L, 316L, 430L, 440C, F75, Fe-Ni, Kovar, M2, Ceramics Components in Pure Alumina, 98% Alumina, Toughened Alumina, Stabilized Zirconia, 100 Million Piece Capacity, In House Tooling and Testing

MIM & CIM Injection Molding



Thermal Management & Thick Film Metalization:

Pacific Advanced Components
INTA Technologies - Sienna Technologies
ECRIM Blue Oceans

Thermal Materials: Copper/Tungsten, Copper, Kovar, Invar, Molybdenum, Beryllium, Beryllium Oxide, Aluminum Nitride, Matching CTE Assemblies, Testing Thick Film: Moly-Manganese, Gold, Silver, Screen Print, Robotic Needle, Brush, Air Brush Spraying, XRF Measurement, Atmosphere & Vacuum Sintering

Thermal Management & Thick Film

Micro-Electronic Packaging:

ECRIM Blue Oceans
INTA Technologies

Packages: Uni-Body, Uni-Body Power, Flat Pack, Flat Pack Power, Platform, Laser, Fiber Optic, TO-Headers, Glass and Ceramic Feedthru, Multi Layer, Thermal Matching, Gold Plated, Kovar, Moly, CuW, Stainless, Al-SiC, Lids, Copper Core, GlidCop, Hermetic, Standard Packages, Low Cost Tooling, Samples Available

Micro-Electronic Packaging

Markets Served:

R&D and Rapid Prototyping
Low and High Volume Production
Total Quality & Customer Service

Aviation & Aerospace, Optoelectronics, Life Sciences, Lasers, Microwave, Infrared, Analytical Instrumentation, Defense, Solar, Sensors, Medical, X-Ray, Implants, Energy, Nuclear, Petroleum, Wind, Semiconductor, Telecom, Night Vision, Electronics, Vacuum, Pulp&Paper, Environmental, National Labs & Univ.

Markets Served

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