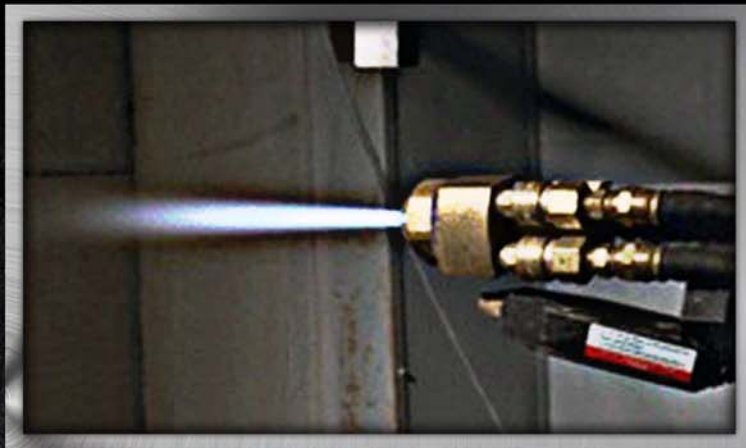
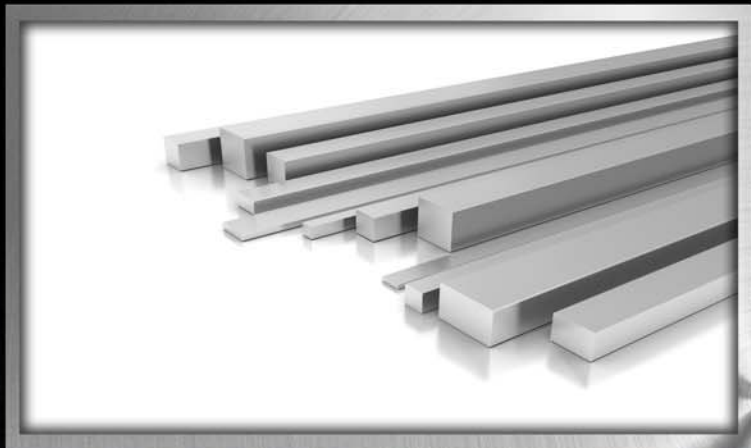
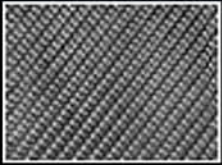


NANO MATERIALS ALLOYS, CERAMICS, AND CERMETS



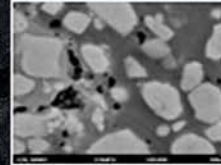
ADVANTAGES OF NANO MATERIALS

Nanomaterials are changing our world. California Nanotechnologies (Cal Nano) recognized these advances and has become a leader in the manufacture and commercialization of these materials. Our nanomaterials may be utilized in pure nano-form or as additives to conventional materials.



Nano-structure

- Nanomaterials are lighter, stronger, and harder
- Provide higher corrosion and wear resistance
- Nanomaterials provide higher energy absorption
- Enables less material to be used, reducing costs



Conventional



Nanomaterials have fine grain structures that provide superior performance at reduced weight (less material required) as compared to conventional materials.

CAL NANO MATERIALS

California Nanotechnologies provides advanced materials for its customers. These materials are available in powder, wire, and billet, and range from production materials to custom materials for research & development applications.

Cal Nano's materials are used by world leaders in Aerospace, Oil & Gas, Energy, Sports & Recreation and many other fields. Companies such as Adidas trust Cal Nano for their new nano materials components used by Olympic Track & Field Gold Medalists.



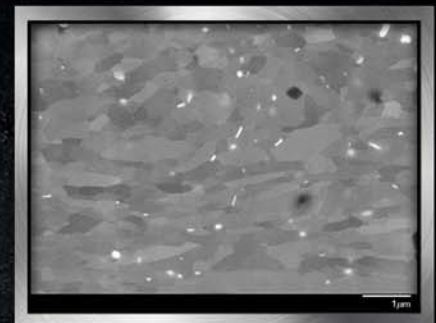
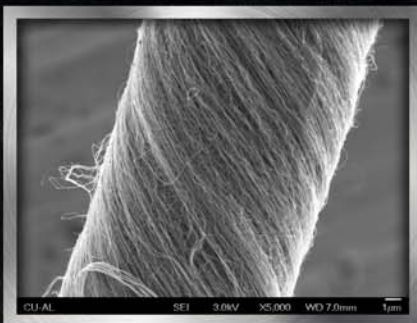
ADIDAS NANO SPIKES



AEROSPACE

NANO TUBES, SPHERES AND FIBERS

Cal Nano provides carbon nanotubes, nano-ceramics (Al_2O_3 , SiC, TiN) and metallics. These are the latest advances in materials and provide unique properties to electronics, structures and other fields. Their extraordinary properties also find applications as additives to various materials.



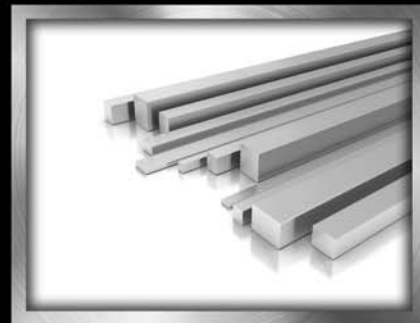
NANO POWDERS AND COATINGS

Cal Nano provides high performance nano powders and coatings. This includes the ultra-performance of WC-Co-Cr and WC-Co coatings. When applied to aluminum, titanium and steel components, our nano-coatings increase wear and corrosion resistance while also adding to the strength of the components.



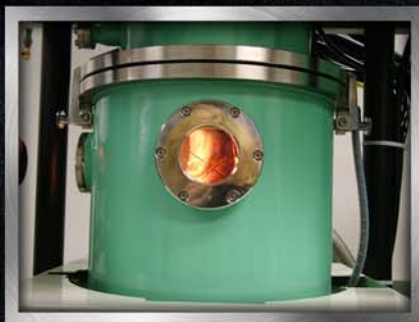
NANO ALLOY WIRE AND ROD

Custom light alloy nano-based wires are made to order. These wires provide the benefits of the original material plus nano-enhanced properties. Nano-based aluminum and metal-matrix composite (Al MMC) wires are used in component manufacturing including hot/cold forging, screw machines and other processes.



BILLETS

Custom billets are made to order. Al MMC billets are manufactured with ceramic reinforcements (Al_2O_3 , B_4C , SiC). Custom lots of titanium alloys, cobalt and nickel-based superalloys, and iron-based nano alloy billets can be ordered. Billets may be consolidated using HIPing, CIPing, or Vacuum Sintering.



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