

# INTA

## TECHNOLOGIES

ISO 9001 CERTIFIED

### METALLIZATION - PLATING - BRAZING



**Plating - Brazing - Laser Welding  
Metallization**

**INTA Technologies Corporation** offers engineering support and design assistance along with prototype to production program development.

Established in 1978 as an R&D facility to service the technology rich "Silicon Valley", INTA has become a Production Level Vendor-Partner for companies in the medical, military, automotive, energy, microwave, and semiconductor industries.

INTA Technologies is a world-class leader in **precious metals plating, hermetic brazing, laser welding, and ceramic metallization.**

We provide superior, consistent **high quality plating** on CuW (Thermkon™), molybdenum, beryllium copper, kovar, stainless steel, titanium, ceramics, plastics, and many other conductive and non-conductive materials.

We offer **gold, silver, nickel, copper, platinum, rhodium,** and other types of plating in several standards, types and specifications.

With extensive heat-treat capabilities and a well-trained technical staff, INTA is able to continually produce high quality coatings that provide high temperature, corrosion and oxidation protection.



**INTA Technologies plates gold on  
silicon carbide parts**

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**INTA Technologies utilizes atmosphere controlled furnaces**

INTA Technologies utilizes atmosphere-controlled furnaces, air furnaces and vacuum furnaces to form **brazed assemblies**.

We can braze aluminum oxide (Al<sub>2</sub>O<sub>3</sub>), copper, kovar, molybdenum, copper tungsten (CuW), zirconia, beryllium oxide (BeO), silicon nitride, and many other materials.

INTA provides brazed assemblies that are helium leak tight to 1e-9 mbar\*l/s and better. INTA supplies parts that are active brazed which are used in extreme applications that last for many, many years.

INTA Technologies incorporates **laser welding** to our list of capabilities. We laser weld complex assemblies, automation and repair applications, hermetic joints, and a wide range of metals including:

- 300-400 Series Stainless Steels
- Titanium
- Nickel alloys (Kovar, Invar, Inconel, etc.)
- Hastelloy and other High Temp alloys

We work on different applications including: Medical device components, automotive, aerospace, electronics and micro components.



**INTA's laser welding techniques produces clean and hermetic joints**



**INTA produces thick film metallization inks that utilize a Moly-Manganese (MoMn) refractory formulation**

INTA Technologies provides **metallized ceramic products** to the industry. INTA produces thick film metallization inks that utilize a refractory formulation designed to provide one of the industries strongest bond strengths. Inks can be applied by screen-printing, roll printing, hand painting, air-brush spraying, immersion, and centrifugal coating.

INTA supplies ceramic and also metallizes customer-supplied ceramic.

Consider INTA Technologies as part of your team for project success from prototype to production, and feel free to contact us at [sales@intatech.com](mailto:sales@intatech.com), or call us at **408-748-9955** with your material processing requests.