

# NanoTech™

**Pietro Galliani Brazing** has created an innovative new quality of alloy that outperforms standard alloys and bring a new level of quality brazed joints. **NanoTech™** is unique propertied to the the highly controlled and micron small phases of Phosphorus dispersed with in the brazing rod.

*More information on the back of this flyer.*



**Nano-Technology in  
Brazing alloys  
100% Made In Italy**

## GalFlo™

**GalFlo™** products are the result of decades of research and development. **Each product is guaranteed to made of high quality materials and undergo stringent quality controls.**

**Market Leader 5% Ag  
Copper Phos**

**NanoTech™ 2% Ag  
Copper Phos**

**PIETRO GALLIANI  
BRAZING S.p.A.**



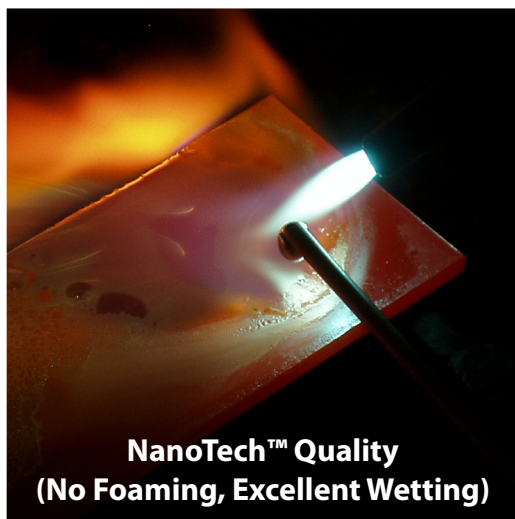
# NanoTech™ By Pietro Galliani Brazing

Phosphorus is used in Copper Phosphorus alloys as a temperature reducing agent as well as a “fluxing” agent. Phosphorus reacts with Copper Oxides and break down the oxides in order to alloy copper to be brazed with out flux.

Current norms only specify the quantity of Phosphorus that should be found percentage wise in each alloy. The norms do not specify exactly how phosphorus should be found in the alloy.

**NanoTech™** alloys have micro phases of phosphorus that do not fume out easily, or burn out in the flame, but stay dispersed within the copper to **create a SUPER brazing alloy.**

Feature	Benefit	Current NanoTech™ Alloys	Silver Content	Melting Range °C
Perfectly Controlled content of Phosphorus	Melting temperature and ductility are repeatable and constant.	L-CuP6 NanoTech™	0	710-880
Phosphorus is dispersed within the alloy as Nano-Spheres	1. Little loss of phosphorus during brazing 2. No-Porosity due to fuming. 3. Improve Wetting of Surface 4. Cleaner Post Braze Surface 5. Best Overall Brazed Joint Quality	L-CuP7 NanoTech™	0	710-820
		L-CuP8 NanoTech™	0	710-750
		L-Ag2P NanoTech™	2	645-800
		L-Ag5P NanoTech™	5	645-810
		L-Ag15P NanoTech™	15	645-800
		L-Ag18P NanoTech™	18	645-670



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