



NANOGOLDFILLED (NGF)

Polymate Ltd.- INRC has developed NGF technology which allows:

- Producing any kinds of pieces include casting pieces.
- Covering all surface of a substrate by the gold film .
- Control of gold and alloying components maintenance in alloy.
- Obtaining strong and flexible nano-diffusion layer between gold alloy and basic metal allows to bend easily products and even to press them by pliers (connectors) without damaging of the gold alloy film.
- Soldering NGF products by standard GF solders
- Obtaining NGF products which :
 - almost don't wear out.
 - NGF jewels with 14k (18k) gold alloy film look the same as corresponding 14k (18k) full gold alloy products and have the same properties.
 - NGF products 7-10 times cheaper than the corresponding full gold alloy products.
- First NGF products of our pilot manufactured in Haifa, Israel and have been successfully tasted in USA, England, Holland and Japan.