

New Product Development

Servometer® Custom Electroforms

**Thin-Wall, Light Weight,
Precision Components**

Servometer®/Precision Manufacturing Group, LLC, has refined the process for the design and manufacture of precision Electroforms producing parts that would be too small or fragile to machine or form by traditional mechanical means.



Servometer® Electroforms are very precise, thin-walled, metal components that can be made as small as a grain of rice, with walls as thin as 0.0005", depending upon the custom requirements.

Servometer® Electroforms are produced by electrodepositing a thin layer of metal on an aluminum mandrel of any shape – then chemically dissolving the mandrel to leave behind a hollow, thin-walled, metal form which becomes the electroform.

Servometer® Electroforms are found in many industrial, medical, defense and aerospace applications. Servometer® Electroforms can be used as molds, EMI Shields, waveguides, goldshields, precision tubing, precision nozzles, and other light weight structurally rigid components.

Servometer® Electroforms can be made as small as 0.020 in. (0.5 mm) diameter out of nickel, copper, gold, silver, or a combination thereof.

With the specialized electroforming process perfected by Servometer®, most custom electroforms require no significant tooling, therefore; several prototype variations can be made and evaluated, as opposed to being locked into a "good enough" design by expensive dies or molds.

To receive a complete literature package, contact:

Servometer®/PMG, LLC
501 Little Falls Road
Cedar Grove, NJ 07009-1291
Tel: 973-785-4630
Fax: 973-785-0756
Email: info@servometer.com