

## Micro precision parts reimagined.

### Introduction

Veco is a world-leading manufacturer of micro-precision parts. It serves the world's most innovative, hi-tech companies from industries that demand high quality and precision.

Such as electronics & semiconductor, (food & beverage) filtration, digital printing, medical, industrial automation, and renewable energy.

### A relative unknown technology to produce your metal precision part

Veco has in-house electroforming capability, electroforming is an additive manufacturing process for precision metal part fabrication (such as nickel and its alloys, copper, palladium and its alloys, rhodium, and gold).

In the first step, the required product is outlined on a metal mandrel with a photolithographic process (cleaning, coating, exposing, and developing). In the second step, electrodeposition takes place. The product "grows" between and/or on top of the lacquer to produce the actual product. In the last step, the product is "harvested", checked semi-automatically, and packed.

The below table gives an insight into the production constraints and limits.

\*Design specifications should always be assessed in the context of the overall product design and quality criteria.

### Co-development with you as a customer

Electroforming technology provides a powerful combination of flexibility and industrial production capability; there's always a solution from prototyping to mass production, for standard and custom-made products. New projects are always a co-development between the customer and Veco, and several iterations are being done to produce the ideal part with the right specifications.

### MUON Group

Since 2020, Veco became part of the Muon group, the world leader in Precision Engineering.

The Muon Group consists of leading companies in the fields of Electroforming (Veco), Chemical Etching (Tecan), Glass & Ceramics handling (LouwersHanique), and Laser Material Processing (Millux), all of which are high-precision manufacturing technologies.

Together with our sister companies in the Muon Group, Veco can provide a wide spectrum of technical possibilities, enabled by Electroforming, Chemical Etching, as well as Laser Material Processing.