



# PRODUCTION

## PROCESSES & FACILITIES

We are equipped with a foundry capable of producing sand and centrifugally cast metal works, a graphic design and engraving department to assist with custom artwork and personalization, a skilled mould making team, and an electroplating line capable of providing a variety of metal finishes. While we offer imported options, most of our metal products continue to be handmade onsite to ensure the highest quality possible for our customers.



### MOULD MAKING

Our skilled mould makers use plastic representations of the final design to create rubber moulds for centrifugal casting.



### CENTRIFUGAL CASTING

A rubber mould is secured into a "centrifugal casting" machine, named for its use of centrifugal force (spinning) to spread molten metal into each casting cavity in the rubber mould.



### KNIFING & BUFFING

After the castings have had time to cool and harden, each piece is hand buffed and quality checked to ensure all rough edges are removed and that the piece is ready for electroplating.



### ELECTROPLATING

We use a process called electroplating to finish our castings. This process uses an electrical current to allow castings to be plated in a variety of finishes.



### PAINTING

Once the castings have been finished, we paint each piece using a "colour fill" process where enamel is set into the recessed areas by hand.



### SAND CASTING

Each letter is placed by hand to create a "pattern" which is set in sand to create a mould which we use to cast the final product.