

# THE PLASTIC INJECTION *Moldmaking* PROCESS

## 1 CNC MILLING & LATHE

The CNC milling and lathe process automates machine tooling control through software in a microcomputer.



## 2 WIRE EDM

Wire EDM machining process uses a metal wire and de-ionized water to cut through metal with electrical sparks!



## 3 CONVENTIONAL EDM

The conventional EDM process removes material using repeated electrical discharges.



## 4 GRINDING & POLISHING

Grinding smooths surfaces by removing metallic chips, while polishing uses tools like wool wheels and sandpaper to achieve smoothness through plastic deformation and cutting.



## 5 INSPECTION & QUALITY

Inspecting electrodes, mold components, and plastic parts, ensuring they meet specifications, is crucial for top quality.



## 7 SAMPLING

Sampling is a quality assurance step that ensures each mold performs properly and produces plastic parts that meet customer specifications.



## 6 MOLD ASSEMBLY

Mold assembly is the final manufacturing process before the mold is sampled (tested) in an injection molding machine .

