



METAL INJECTION MOLD



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MANUFACTURING PROCESS

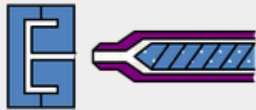
KNEADING



Metal powder + Binder



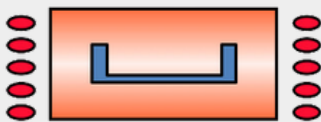
INJECTION



Shape made by injection



DEBINDING



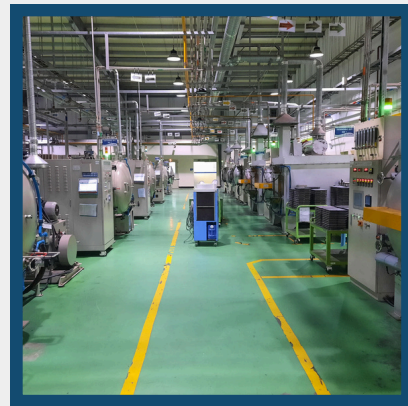
To remove binder



SINTERING



To compact it into a solid piece

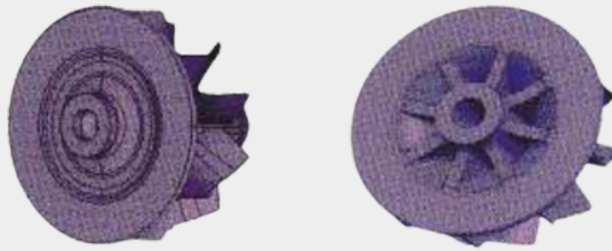


ADVANTAGES



DESIGN FLEXIBILITY

50g Ti → 20g (Ti + Binder)

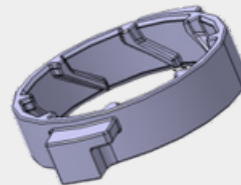


EFFICIENT MATERIAL USAGE

5 axis Machining → MIM + Machining

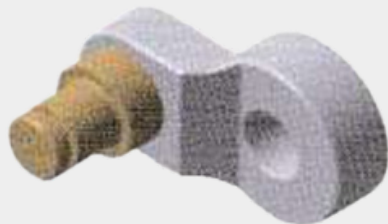


PM + Machining → MIM

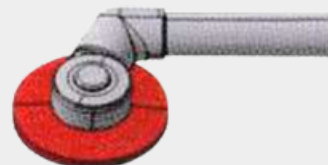


PROCESS SIMPLIFICATION

Assembly → MIM



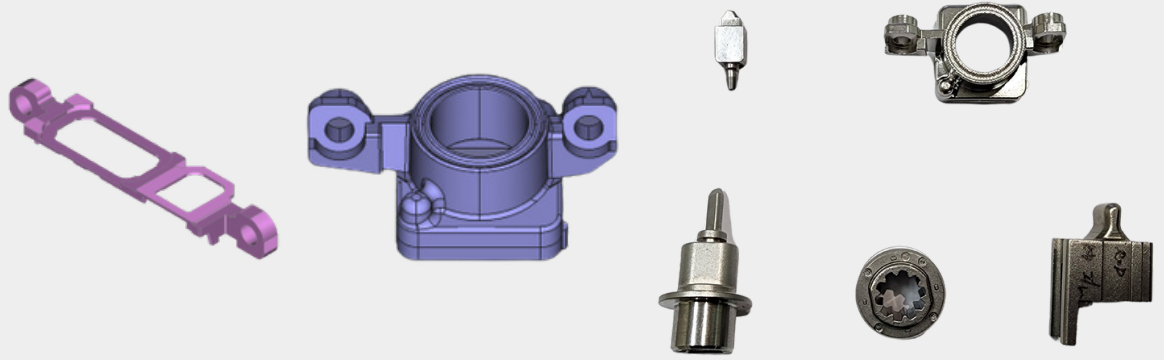
Welding → MIM



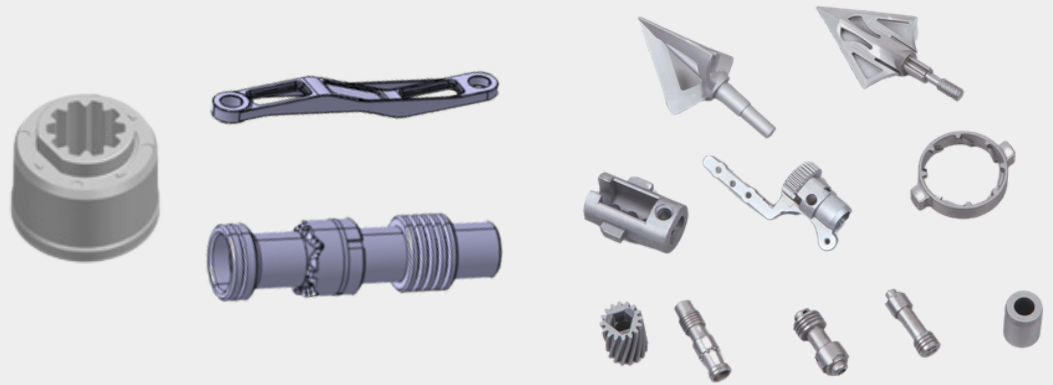
PARTS SIMPLIFICATION

APPLICATION

ELECTRONICS



AUTOMOTIVE



TURBO CHARGER



MEDICAL



DUAL CLUTCH TRANSMISSION

