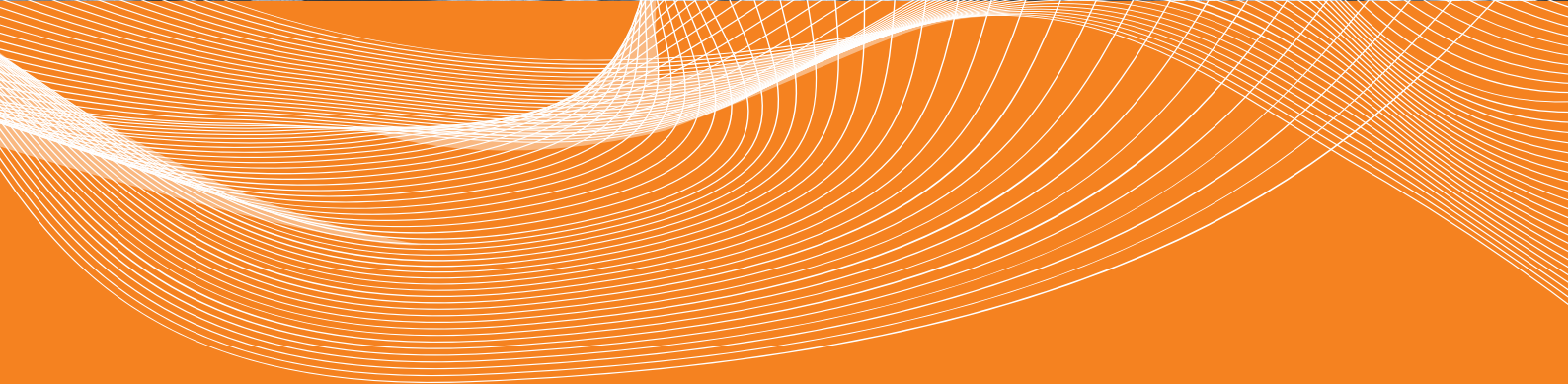


# CASTING

Casting uses a tool to form the shape of a component and is an economic method of manufacture when fewer components are needed.



## Processes

RIM Casting requires a more solid tool to pump PU resin into, producing parts in a fast turnaround time.

Vacuum Casting uses softer silicone rubber tools where the PU resin is injected under a vacuum with a cycle time of around 2 hours per shot (depending on size).

Metal Casting – Die/Sand/Investment using traditional processes with the speed of additive manufacturing.

Process	Time	Material	Quantity	Application	Examples
RIM Casting	2-3 weeks, 20-30 parts per day	PU Resin	100s	Functional Parts Low Temp	Interior trim panels
Vacuum Casting	2-3 weeks, 5-10 parts per day	PU Resin	10s	Functional Parts Low Temp	Headlamps
Metal Casting	1-2 weeks	All Metals	1000s	Functional Parts	Bezels and side strake

