

### OVERVIEW

FATHOM and Precision Plastics have come together to form The FATHOM Tooling+ Team, building on more than eight decades of tooling and injection molding experience. FATHOM offers a single-source global solution that supports any size company's low- to high-volume molding needs. In-house experts working side-by-side are improving the injection mold business model—accelerating the quoting process, as well as including DFM (design for manufacturing) overview with every initial quote.

TOOL OPTIONS	LEAD TIME	PART QUANTITY	MAXIMUM PARTING LINE MISMATCH	MAXIMUM FLASH	TOOL TOLERANCES LINEAR DIMENSIONS	PART COLOR	PART FINISH (POLISH)	PART FINISH (TEXTURE)
<b>3D Printed Tools</b>	2-6 Days	15-50 Shots	0.010in	0.020in	±0.005 + 0.002in/in	Natural, Compound, Customer-Resin	As 3D Printed	As 3D Printed
<b>Aluminum Tools</b>	3-7 Days	500-1,500 Shots	0.005in				A2*	Yes*

TOOL OPTIONS	LEAD TIME	PART QUANTITY	MAXIMUM PARTING LINE MISMATCH	MAXIMUM FLASH	TOOL TOLERANCES LINEAR DIMENSIONS	PART COLOR	PART FINISH (POLISH)	PART FINISH (TEXTURE)
<b>Rapid Tool</b> (Master Unit Die Base)	1.5-3 Weeks	5,000 Shots	0.010in	0.010in	±0.003 + 0.002in/in	Pantone Colors	A2	Yes
<b>Prototype Tool</b> (Stand Alone)	2-4 Weeks	5,000-50,000 Shots	0.010in	0.007in	±0.003 + 0.002in/in		A2	
<b>Production Tool</b>	5-10 Weeks (Depends on Size and Complexity)	250,000-1,000,000 Shots (Depending on Class of Tool Selected)	0.005in	0.005in	SPI (Commercial)		A1	

\*May affect the leadtime.

**Need A Material Not Listed?**

Please Speak With A FATHOM Expert Directly About Additional Material Options.