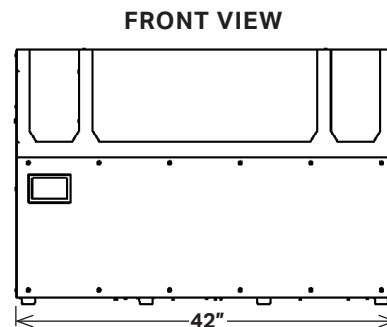
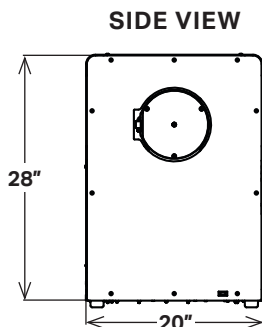


FURNACE SPECIFICATIONS

# Sinter-1

The Markforged Sinter-1 is a high performing, high value furnace - it's affordable, sizable, and reliable. Featuring 4760 cubic cm of working volume, The Sinter-1 effortlessly converts washed parts into their dense final metallic form. Built on 30 years of Metal Injection Molding (MIM) technology, it is ideal for sintering medium sized parts and small batch production.

<b>Furnace Properties</b>	<b>Materials Supported</b>	All Commercial Grade Metals Including: Stainless Steel, Tool Steel, Inconel, Aluminum, & Titanium
	<b>Heating Element</b>	Kanthal
	<b>Controller</b>	Pre-Programmed Automatic Cycling
	<b>Peak Temperature</b>	1300° C
	<b>Sintering Capacity</b>	Cylindrical - 141 mm ID x 305 mm L (5.55" ID x 12" L)
	<b>Sintering Volume</b>	4760 cubic cm (290 cubic in)
	<b>Gas Types</b>	Nitrogen, Argon, and Forming Gases
	<b>Retort</b>	High Purity Refractory Retort (Carbon Free)
	<b>Sintering Surface</b>	Ceramic
	<b>Safety &amp; Installation</b>	<b>Environmental Req.</b>
<b>Power</b>		208-250 V Single Phase 36A, Recommend Wiring 50A
<b>Over Temperature</b>		Protection System Included
<b>Physical Dimensions</b>	<b>External Dimensions</b>	1067 x 505 x 720 mm (42 x 20 x 28 in)
	<b>Weight</b>	136 kg (300 lbs)



All specifications approximate and subject to change without notice.