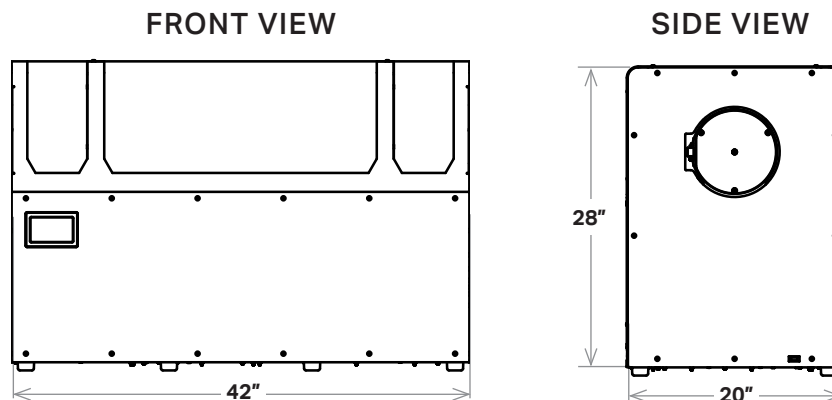


PRODUCT SPECIFICATIONS

# Sinter-1

The Markforged Sinter-1 is a high-performing, high-value furnace that is ideal for small batch production. Built on 30 years of Metal Injection Molding (MIM) technology, it's affordable and reliable. Featuring 3,020 cm<sup>3</sup> of active hot zone, the Sinter-1 effortlessly converts washed parts into their high-quality dense final metallic form in as few as 26 hours.

<b>Furnace Properties</b>	<b>Materials Supported</b>	Chemically debound Metal X-printed parts
	<b>Heating Element</b>	Kanthal
	<b>Controller</b>	Pre-programmed automatic cycling
	<b>Sinter Run Time</b>	26 hours*
	<b>Peak Internal Temp.</b>	1,300° C / 2,372° F
	<b>Sintering Capacity</b>	Rectangle w/radius top — 141 mm ID x 305 mm L (5.55 in ID x 12 in L)
	<b>Sintering Workload</b>	3,020 cm <sup>3</sup> (184 in <sup>3</sup> )
	<b>Sinter Surface Area</b>	348 cm <sup>2</sup> (53.9 in <sup>2</sup> ) for single ceramic setter plate
	<b>Setter Plate Dimensions</b>	11.4cm W x 30.4cm D, (4.5in W x 12.0in D)
	<b>Gas Types</b>	Argon, argon / hydrogen mix
	<b>Retort</b>	High purity refractory retort (carbon-free)
	<b>Safety &amp; Installation</b>	<b>Environmental Req.</b>
<b>Power</b>		200–240 V single phase 36A, recommend wiring 50A
<b>Physical Dimensions</b>	<b>External Dimensions</b>	1,067 x 505 x 720 mm (42 x 20 x 28 in)
	<b>Weight</b>	136 kg (300 lbs)



\*May vary by material. **Note:** All specifications are approximate and subject to change without notice.