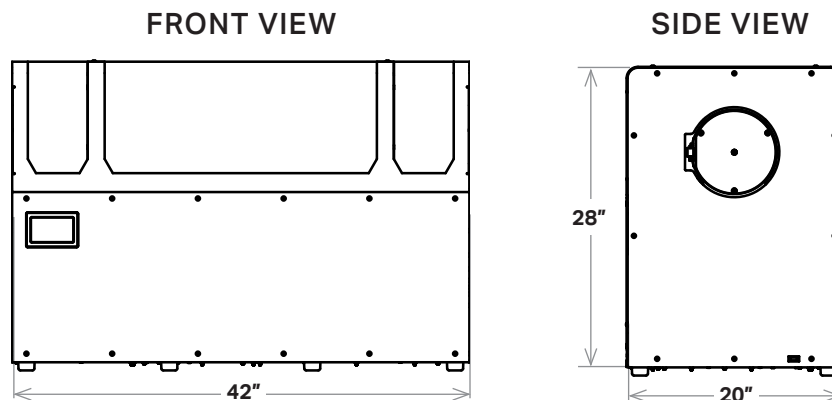


PRODUCT SPECIFICATIONS

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 4,760 cm³ 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.

Furnace Properties	Materials Supported	Chemically debound Metal X-printed parts
	Heating Element	Kanthal
	Controller	Pre-programmed automatic cycling
	Sinter Run Time	26 hours*
	Peak Internal Temp.	1,300° C / 2,372° F
	Sintering Capacity	Rectangle w/radius top — 141 mm ID x 305 mm L (5.55 in ID x 12 in L)
	Sintering Workload	3,020 cm ³ (184 in ³)
	Sinter Surface Area	348 cm ² (53.9 in ²) for single ceramic setter plate
	Setter Plate Dimensions	11.4cm W x 30.4cm D, (4.5in W x 12.0in D)
	Gas Types	Argon, argon / hydrogen mix
	Retort	High purity refractory retort (carbon-free)
	RF Module	Operating Band 2.4 GHz Wi-Fi Standards 802.11 b/g/n
Safety & Installation	Environmental Req.	External exhaust (100–150 CFM)
	Power	200–240 V single phase 30A, recommend wiring 50A
Physical Dimensions	External Dimensions	1,270 x 510 x 720 mm (50 x 20 x 28 in)
	Weight	136 kg (300 lbs)



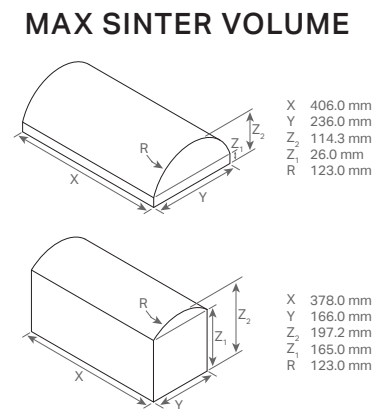
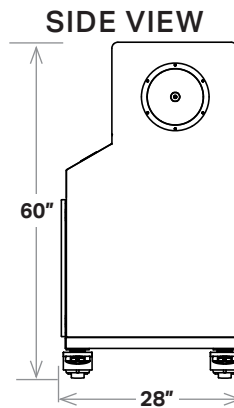
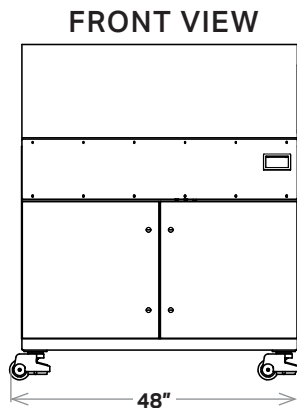
* May vary by material. **Note:** All specifications are approximate and subject to change without notice.

PRODUCT SPECIFICATIONS

Sinter-2

With an expansive active hot zone (19,644 cm³ / 1,199 in³), the Sinter-2 is the perfect solution for mid-volume batch production and for larger parts. Create high-purity metal parts by using sintering technology built with a carbon-free retort. This workhorse furnace is enabled with rapid cooling technology and can process the full range of commercial-grade metals from their washed state into dense metal parts in as few as 30 hours.

Furnace Properties	Materials Supported	Chemically debound Metal X-printed parts
	Heating Element	Kanthal
	Controller	Pre-programmed automatic cycling
	Sinter Run Time	30 hours,* 17 hours (Small Parts Express Run)**
	Peak Internal Temp.	1,300° C / 2,372° F
	Sintering Capacity	Rectangle w/radius top — 248 mm ID x 406 mm L (9.8 in ID x 16 in L)
	Sintering Workload	12,135 cm ³ (741 in ³)
	Sintering Surface Area	1,644 cm ² (254.8 in ²) for stackable ceramic setter plate
	Setter Plate Dimensions	Top plate: 24.0cm W x 41.0cm D, (9.4in W x 16.1in D) Bottom plate: 17.0cm W x 41.0cm D, (6.7in W x 16.1in D)
	Gas Types	Argon, argon / hydrogen mix
	Retort	High purity refractory retort (carbon-free)
	RF Module	Operating Band 2.4 GHz Wi-Fi Standards 802.11 b/g/n
Safety & Installation	Environmental Req.	External exhaust (100–150 CFM)
	Power	200–240 V, 3 phase (3 wire), 30 A 346–416 V, 3 phase (4 wire), 30 A
Physical Dimensions	External Dimensions	1,370 x 810 x 1,520 mm (54 x 32 x 60 in)
	Weight	350 kg (772 lbs)



* May vary by material, operating environment, run mass, electrical frequency, etc. **Note:** All specifications are approximate and subject to change without notice.

** Express Run enabled for 17-4 PH parts where brown (washed and dried) mass totals 250 grams or less