

# Xerox® ElemX™ 3D Printer

Additive manufacturing for a more flexible and resilient supply chain.

## System Specifications\*

### SYSTEM CONFIGURATION

#### Xerox Provides

- Printer
- Chiller
- Slicer software
- Build plate removal tool
- Initial supplies kit

#### Customer Provides

- PC for software
- Quench tank for part removal
- Hoist/Crane for part removal
- Ultra high Purity (99.999%)
- Compressed air
- Distilled water for chiller

### PERFORMANCE

#### Build Volume

12 in x 12 in x 4.7 in /  
300 mm x 300 mm x 120 mm

#### Maximum Build Rate

0.5 pounds/hour / 84 ccc/hour  
(2 pound part maximum)

#### Dimensional Accuracy

- XY: +/-0.6 mm
- Z: +/-0.5 mm

#### Minimum Layer Thickness

0.24 mm

#### Heat Treatment

As required

#### Secondary Processing

As required

#### Inert Gas

Argon in printhead region

#### Surface Finish

Sand cast comparable

#### Density

>98.5%

### WEIGHT AND DIMENSIONS

#### Printer Weight

4730 lbs / 2146 kg

#### Printer Dimensions (L x W x H)

9.3 ft x 4 ft x 7.3 ft /  
284 cm x 125 cm x 221 cm

#### Chiller Weight

340 lbs / 154 kg

#### Chiller Dimensions (L x W x H)

2.5 ft x 1.6 ft x 2.2 ft /  
78 cm x 44 cm x 66 cm

#### Total Space Required (L x W x H)

20.5 ft x 12.4 ft x 10.3 ft /  
624 cm x 326 cm x 320 cm

### POWER

#### Printer

- 50 amp
- 480V 3 phase
- 4 wire

#### Chiller

- 30 amp
- 230V single phase

#### Build Plate Removal

No power required (mechanical)

### MATERIALS

#### 356 (4008) Aluminum Alloy

#### Input Material Weight

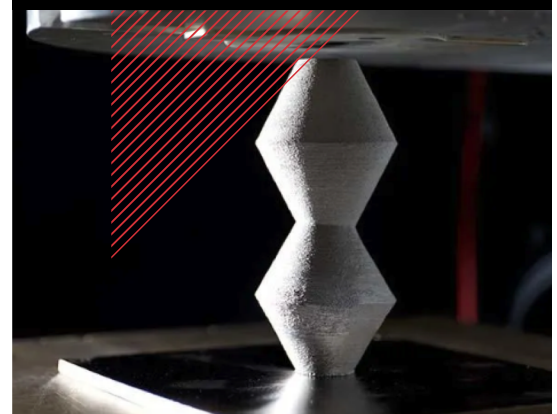
20 lbs / 9.1 kg spool

#### Wire Diameter

.062 in / 1.6 mm

### LIQUID METAL AT-A-GLANCE

- Uses off-the-shelf materials — currently wire aluminum 4008
- No powder removal, debinding or sintering means shorter cycle times
- Known material properties are as good or better than input material
- Requires only basic safety measures around heat and argon gas



### XEROX SLICER

#### Features

- Import format: STL
- Move/rotate/scale
- Center on build plate
- Set process parameters
- Slice
- Export g-code

#### PC Requirements

- Windows 10 operating systems
- Memory: 16 GB RAM min

For more information, or visit [xerox.com/3Dprinting](https://xerox.com/3Dprinting)

\*These specifications are subject to change without notice.

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