

**Evolve Additive Solutions**

# SVP TECHNICAL SPECIFICATIONS

The Evolve SVP™ platform is purpose-built for this new digitized world. STEP technology (Selective Thermoplastic Electrophotographic Process) redefines the possibilities for additive manufacturing by solving existing challenges in plastic manufacturing production and extending the technology to do more—and do it faster. Enabling scalable production for mass customization, just in-time production, and dependable quality by producing fully dense parts with quality surface finish and engineering thermoplastic material properties—unmatched by any other processes or solutions.

Evolve Additive Solutions offers the world's first full-speed additive manufacturing platform that integrates into the connected factory.



# Evolve SVP Technical Specifications

## PLATFORM SPECIFICATIONS

### Performance

Technology	Evolve STEP technology
600 x 300 x 100	600 x 300 x 100 mm (23.6 x 11.8 x 3.9 in)
Build Rate	4680 cm <sup>3</sup> /hr (286 in <sup>3</sup> /hr)
Layer Thickness	10-25 µm (0.000394-0.000984 in)
Print Resolution (x,y)	600 dpi
Cycle Time	3.3 sec
Noise Output	<75 dB

### Size

System Dimensions	5.9 x 1.4 x 2.1 m (19.4 x 4.7 x 6.8 ft) (l x w x h)
Operating Area	6.0 x 3.6 x 2.5 m (19.7 x 11.8 x 8.2 ft.)
Weight	5982 kg (13,175 lbs)

### Materials

Standard	1-part material + 1-support material
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**Noted:** Contact Evolve for additional materials. All materials are engineering grade thermoplastics.

## FACILITY REQUIREMENTS

Network	Ethernet Connection
Environmental	ISO class 9, 17-28°C, 20-90% RH

### Electrical

Consumption	45 kW Production, 2kW Standby
North America	3 x 460-480 Volts/50-60 Hz
Europe/ROW	3 x 380-415 Volts/50-60 Hz
Main Breaker	125/150 Amps

### Compressed Air

Consumption	175 NL/min (6 SCFM)
Working Pressure	6.8 bar (100 psi)

### Chilled Water (coolant)

Consumption	90 liters/min (24 gpm)
Working Temperature	7-12°C (45-54°F)

### Certifications

UL and CE marked
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#### HEADQUARTERS

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