

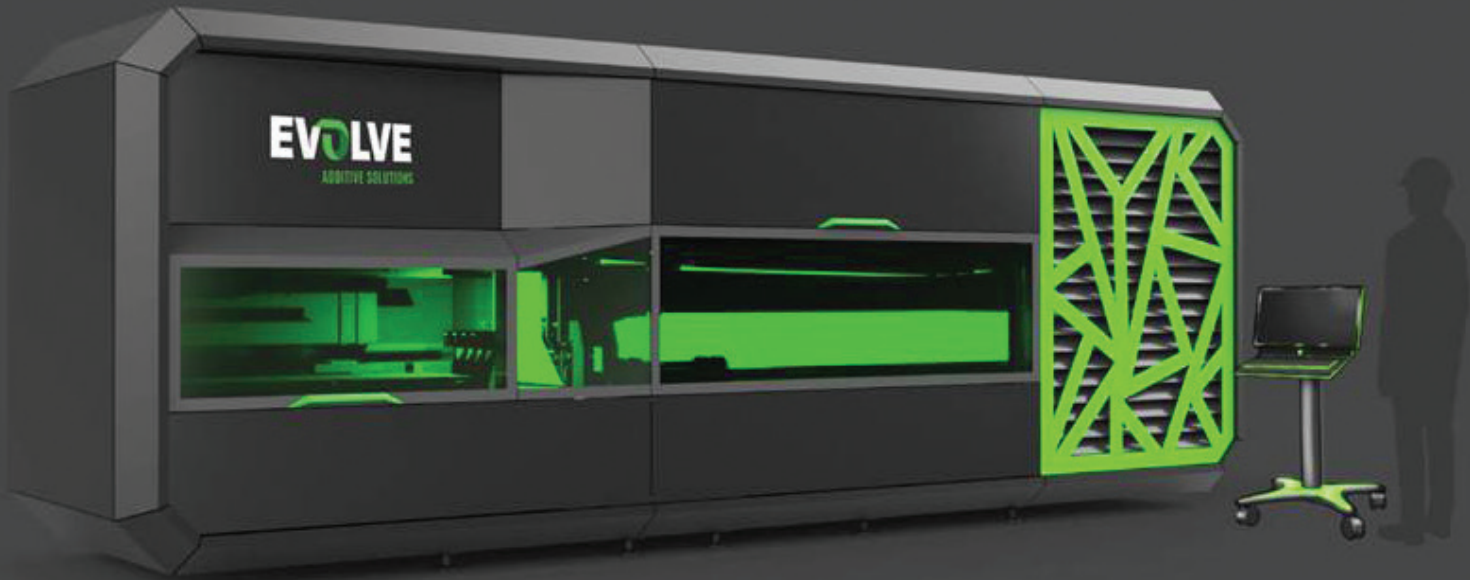
Evolve Additive Solutions

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 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 grade material properties—unmatched by any other processes or solutions.



Evolve Additive Solutions offers the world's first full-speed additive manufacturing platform that is ready for integration with 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 ³ /hr (286 in ³ /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	5.8 x 1.6 x 2.0 m (19 x 5.4 x 6.5 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	3500kg (7716 lbs)

Materials

Standard	1-part material + 1-support material
Optional	Up to 3-part materials + 1-support material

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	120/150 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



HEADQUARTERS

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