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## Frequently Asked Questions

- Business** ..... 2
  - Who are Evolve’s ideal customers?** ..... 2
  - What vertical markets are you focused on?** ..... 2
  - Do you do contract manufacturing?** ..... 2
  - What is Steve Chillscyzn’s role at Evolve?** ..... 2
- Technology & Services**..... 2
  - What is STEP technology?** ..... 2
  - What is the SVP platform?** ..... 2
  - What benefits does STEP technology provide manufacturers?** ..... 3
  - How is Evolve helping manufacturers produce products more sustainably?**..... 3
  - What software platform does the SVP platform use?** ..... 3
  - What is the Parts Assessment Program?** ..... 3
  - What services will customers receive by participating in the Parts Assessment Program?** ..... 4
  - What materials can the SVP platform use today?**..... 4

## Business

### Who is Evolve Additive Solutions?

Evolve Additive Solutions is a 3D printing solutions provider focused on helping manufacturers revolutionize how they manufacture by removing traditional constraints. The company's SVP platform, powered by its patented STEP technology, unlocks the benefits of additive and traditional manufacturing for prototyping and production. The machine produces high-quality and high-fidelity production-grade ABS amorphous thermoplastic parts.

In addition to the SVP platform, Evolve's offerings include software, materials, services and applications consulting.

### Who are Evolve's ideal customers?

Evolve is the perfect solution for manufacturers looking for greater agility and flexibility in their manufacturing process. The SVP platform, powered by STEP technology, unlocks the benefits of additive and traditional manufacturing for prototyping and production. This results in quicker time to market, lower production costs, and it facilitates supply chain sustainability.

### What vertical markets are you focused on?

We see an opportunity for the SVP platform in aerospace, automotive, consumer electronics, consumer goods, industrial manufacturing, irrigation, medical, outdoor/recreation and packaging.

### Do you do contract manufacturing?

We have many services and applications offerings and can do some light production.

### What is Steve Chillscyzn's role at Evolve?

Steve is a member of the Board of Directors.

## Technology & Services

### What is STEP technology?

Selective Thermoplastic Electrophotographic Process (STEP) technology is an innovative 3D printing process. It uses production-grade ABS amorphous thermoplastics to produce parts that share the high-quality and high-fidelity material properties of injection-molded parts.

STEP technology prints 3D parts by using heat, pressure and cooling to transfer and build-up thermoplastic toner on the build space. The placement of the thermoplastic toner is controlled at the voxel level.

### What is the SVP platform?

The SVP platform, powered by STEP technology, helps manufacturers achieve their business objectives by reimaging how they manufacture parts. It does this by:

- **Unlocking the benefits of additive and traditional manufacturing for prototyping and production.** The SVP platform produces high-quality and high-fidelity production-grade ABS amorphous thermoplastic parts.

- **Breaking the rules for how products are designed, and prototypes are made.** The SVP platform uses digital design to replace costly tool modifications, allowing manufacturers to accelerate their production development life cycle on the same production platform from prototype to production.

### **What benefits does STEP technology provide manufacturers?**

STEP technology provides several benefits to manufacturers:

- Prototypes are easily manufactured with the same process as production without having to transition from prototyping to production
- Change designs from part to part with no downtime and no lead time
- Every run can be different—no changeovers
- Every run can have a different mix to respond to real-time changes in demand (high-mix production manufacturing)
- Enablement of intelligent-queue management, which means it automatically pull parts from the queue that can be changed in real-time
- Enablement of on-demand manufacturing for incremental quantities; you can run different parts from the queue concurrently or consecutively
- Low-mix production that creates an effortless mix and changeover between different production runs and applications
- No need to repurpose, mothball or dispose of specialized equipment
- Print parts when and where you want them, alleviating your logistics costs via a distributed manufacturing network

### **How is Evolve helping manufacturers produce products more sustainably?**

The SVP platform’s prototype to production capability enables manufacturers to move production closer to their customers (reducing transportation logistics) and replace physical molds with digital molds (eliminating wasted tooling, time, materials, and warehousing).

### **What software platform does the SVP platform use?**

The SVP platform comes with Evolve Control Software. Additional software tools are available for slicing and factory integration:

- **Evolve Control Software:** runs on the SVP industrial PC and includes the human machine interface (HMI), operator controls, motion controls, firmware, process temperature control, system sensors and electrophotography controls.
- **Evolve Creator:** is proprietary software that allows the operator or the developer of the part build to print or prepare parts for delivery to the SVP platform.
- **Evolve Factory:** is a SaaS offering and the larger set of connections and integration into the manufacturing working environment, providing interfaces with MES, ERP, PLM, ERP, and other common factory automation software.

### **What is the Parts Assessment Program?**

It’s a new offering that lets manufacturers experience the capabilities of STEP technology by testing their applications on the SVP platform.

**What services will customers receive by participating in the Parts Assessment Program?**

Customers are paired with an Evolve Applications engineer who will help them optimize their part for production and have it printed with production-grade ABS amorphous thermoplastics on the SVP platform. After production, customers will receive a summary report with the data needed to validate using the SVP platform to produce the part. More details are available [here](#) (PDF).

**What materials can the SVP platform use today?**

The SVP platform currently supports black ABS. We are working to expand our portfolio of material offerings.