PRINT  **EVOLVE** ADDITIVE SOLUTIONS  Idle

8x12F...

40  60
20  80
00:00:00
100%
0  100

SUP FULL  PRT LOW  PRT EMPTY  SUP FULL

Job
**Name:** 8x12Full
**Layers:** 50
**Time:** 00:04:25
**Slice:** 16.0 um

Maintenance

Pre-flight Checks

# SOFTWARE

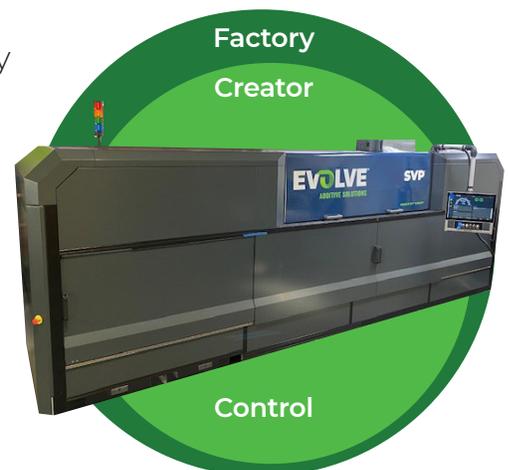## Enable key manufacturing capabilities with Evolve™ software

In order to maximize the power of the SVP™ (scalable volume production) platform, Evolve Additive Solutions offers both its own software as well as connectors to common software offered by its strategic network of partners. Our core patented technology, Selective Thermoplastic Electrophotographic Process (STEP™) enables the full benefits of the SVP system.

The suite of Evolve's software and partner software connectors enables SVP users to create a digital inventory of virtual molds in a virtual warehouse. Digital molds provide scalability, reduced supply and manufacturing chain costs, and process recipe connections to the CAD files. This can be flexible for the manual build design process allowing for changing parameters and creating recipes or can be a simple workflow for loading from a published library to create products in high volumes.

### ABOUT EVOLVE SOFTWARE

**There are three key software functions:**

· Evolve Control
· Evolve Creator
· Evolve Factory

Factory

Creator

Control

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# SOFTWARE

### Evolve Control
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. The Evolve Control software is included with the SVP system as a perpetual license for the shipped version. 12 months of software maintenance is included, providing access to upgrades and updates. Following the 12-months, Annual Software Maintenance Agreements are available.

### Evolve Creator
Evolve Creator is available in three option bundles to best meet your manufacturing needs; Basic, Integrated and R&D. It is our proprietary software that allows for the product engineer of the SVP platform machine to prepare the digital mold for delivery to the machine for production. Evolve Creator is the most important part of the system when designing the builds. It does not include a CAD authoring tool, but rather has API (Application Programming Interface) connections to popular CAD tools allowing you to integrate Evolve's software with your own CAD tool workflow. Evolve Creator operates locally on a dedicated PC or in the cloud.

The build processor is the key module that performs the heavy lifting of applying rules to take a CAD file and slice it into the printable layers. It contains the geometry rules to allow you to define surface quality, layer thickness, support material use, geometries, and more.

### Evolve Factory
Evolve Factory is a larger set of connections and integration into the manufacturing workflow environment to provide interfaces with MES, ERP, PLM, ERP, or other common scheduling software. Typically, this is a more customized set of software or connections to connect to the customer's existing manufacturing IT space and software. We work with industry partners to consult and integrate to the customer's specific needs.

Through our network of strategic partnerships, of industry-leading software suppliers we can provide other common tools and may be an authorized reseller. 3rd party software can be purchased separately; check with Evolve for availability.

### Evolve Creator Bundles
Evolve Creator is licensed to run on a specific PC or server and this is the hardware that performs the slicing function. The license includes unlimited users. When customers need more slicing computational power, they can purchase licenses for additional PC's. Cloud licenses are also available to allow running in the cloud and scaling computing services as needed. Licenses include 12 months of software maintenance, after which annual software maintenance agreements are available to provide access to upgrades at a lower overall cost.

Evolve offers three bundles each of which are tailored to common uses within a manufacturing organization to best suit your needs:
· Basic
· Integrated
· R&D

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## Evolve Creator Basic Bundle
Bundle includes: build processor, slicer parameter modifications and job ticket portal modules.

## Evolve Creator Integrated Bundle
Bundle includes: Evolve Creator basic bundle plus CAD authoring tool connector, time machine, post process, and materials database modules. Currently Evolve offers the Siemens NX CAD connector. Contact Evolve for availability of other CAD authoring tool connectors.

## Evolve Creator Research Bundle
Bundle includes: Evolve Creator Integrated bundle, script authoring, new recipe creation and ability to create proprietary slicing algorithms

## Software Maintenance Agreements
Annual software service agreements are available to provide access to updates, technical support, and updated documentation. Lapse in service agreement requires new purchase of software license.

## EVOLVE SOFTWARE PRODUCTS AND LICENSING

### EVOLVE SOFTWARE PRODUCTS AND LICENSING

#### Evolve Control - Runs on SVP Industrial PC

|  | Standard |
|---|---|
| HMI | X |
| Motion Controls Firmware | X |
| Imaging and Fusing Controls | X |

#### Evolve Creator Bundles - Runs on Local PC *(cloud available)*

|  | Basic | Integrated | Research |
|---|---|---|---|
| Build Processor (BP) | X | X | X |
| Modify Slicing Parameters | X | X | X |
| Image Viewer | X | X | X |
| Job Ticket Portal | X | X | X |
| Printer Driver | X | X | X |
| CAD Tool API |  | X | X |
| Time Machine |  | X | X |
| Post Process |  | X | X |
| Materials DB |  | X | X |
| Customized Slicing Developer Tool |  |  | X |
| Python Scripting (new recipe creation) |  |  | X |

#### Evolve Factory

|  |  |
|---|---|
| Siemens Connectors | Option |
| Other ERP, PLM, MES Connectors | Option |

#### Evolve Control Licensing

| Evolve Control Licensing | Standard |
|---|---|
| Shipped License | Included Perpetual |
| Software Maintenance Agreement (first 12 months) | Included |
| Software Maintenance Renewal | Annual Contract |

#### Evolve Creator Licensing

| Evolve Creator Licensing | Basic | Integrated | Research |
|---|---|---|---|
| Perpetual Single per PC/Server Install/Unlimited Users | $ | $$ | $$$ |
| 2+ License Discount per PC/Server Install/Unlimited Users | Yes | Yes | Yes |
| Cloud Version Unlimited Users/Scalability | Available | Available | Available |
| Software Maintenance Agreement *(first 12 months)* | Included | Included | Included |
| Software Maintenance Renewal – Get upgrades, updates, tech support | Annual Contract | Annual Contract | Annual Contract |

#### Evolve Factory Licensing

| Evolve Factory Licensing |  |
|---|---|
| CAD Software | Not Included |
| Cloud Services | Not Included |

## LEARN MORE

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