SRP Player CAM Software
Installing SRP Player Software

- Place SRP Player CD into computer and an install window will open.
- Click on “Install” to begin software installation.
Installing SRP Player Software

- Install Shield Wizard will start up, click on “Next”.
- Read software license agreement and click on “Yes”
- Click “Next” to accept default destination folder.
- Click “Next” to accept default program folder name and continue software installation.
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- Click on “Finish” to complete software installation.
- Go to Windows Start Menu and click on SRP Player, right click over SRP Player, select “Send To” then “Desktop (create shortcut)”
- This will create a shortcut on your desktop.
Installing SRP Player Software

- Click on SRP Player shortcut to launch software.
- When you start the software for the first time or update the software, the initialization screen will appear. Click on “Next” to begin initialization.
- Software will look for installed machine.
- Select your machine.
Installing SRP Player Software

- Verify machine and installed options then click “Next”.
- Software will indicate machine selected and options selected. Click “Next”.
- Select units desired. Click “Next”.
- Select tools in inventory then click “Next”.
- Click on “Finish” to complete the software initialization.
You can change your preferences, color scheme, verify machine and accessories by selecting File then Preferences.
NOTES:
• For software versions 1.15 and greater, there is an advanced tab that will allow you to disable certain safety features for advanced users.
• Please be very familiar with the machine and any accessory before disabling these restrictions.
• Failure to do so may cause a crash.
**Options**

**My Tool:** Select what tools you have available

**Add/Remove Tool:** Add or remove additional tools than already installed.

**Surfacing:** Surfaces work material using available tools.
Main Screen

- Start screen. Note you can’t proceed until Step 1 is completed.
- Red line demonstrates rotary axis rotation axis if available.
NOTES:
• Import part by clicking on Open or dragging part onto screen.
  • Confirm size of part.
  • Modify if desired.
• Check orientation of part.
• Click on Step 2 when finished.

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❖ Step 1
• Import part by clicking on Open or dragging part onto screen.
• Confirm size of part.
  • Modify if desired.
• Check orientation of part.
• Click on Step 2 when finished.
Step 2

- You select what type of part you will be cutting by selecting the appropriate options.
- Click on question mark for more information.
- Click on Step 3 when finished.
**Step 3**

- Select material from pull down list.
- Enter material size. Must be greater than values in parenthesis.
- Click Create Tool Path to process toolpath.
- Click on Step 4 when finished.

**NOTES:**

- Select material from pull down list.
- Enter material size. Must be greater than values in parenthesis.
- Click Create Tool Path to process toolpath.
- Click on Step 4 when finished.
Step 4

- You can view what the sample part will look like with selected tooling by clicking on Preview Cutting.
- You can view an estimated cutting time.
- Click on Step 5 when finished.

NOTES:
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- **Step 5**

  Click on Start Cutting to starting the cutting process.

  **NOTES:**
  Click on Start Cutting to starting the cutting process.
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- Back to Step 3

NOTES:
If you would like to make changes to your program, click on Step 3.
NOTES:
• Click on Edit.
• You can view and edit your processes as desired.
• **Roughing** process quickly removes material leaving a rough finish, usually with a larger tool.
• **Finishing** process cleans up the part to its final shape.
NOTES:
• Select Roughing process
• Select Top Surface and click on + to view options.
• You can rename the process
• You can change its orientation and angle if available.
• Click on Apply when finished.
Step 3 Modifications

- Under Modeling Form, you can change the margins of the part.
- Click on Add a margin
- Click on Automatically
- You only need to add a margin above and below the part.
- You don’t want to add a margin to the left or right.
- Once finished click Apply.
Step 3 Modifications

• Completed margin modifications.
Step 3 Modifications

- You can modify the Cutting Area if desired by selecting Partial.
- You can enter values to specify the cutting area or drag the red box to the desired area.
- Click on Apply when finished.
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Step 3 Modifications

- The cutting depth can be modified by selecting Partial.
- Enter a value or drag the red line to the desired depth.
- Click on Apply when finished.
**NOTES:**
- You can select available Tool.
- You can modify available process to desired process if available.
- You can modify recommended feed rates if desired.
- Click on Apply when finished.
- Click on Close when all modifications have been completed.
Step 3 Modifications

- Cutting parameters can be changed if desired.
- Click on Apply and Close when finished.
- Feed Rate is the speed the tool is moving.
- Spindle speed is how fast the tool is spinning.
- Cutting in amount is the depth of cut for that tool.
- The Path interval is the distance between tool passes. Finishing passes are usually much smaller than roughing passes.
• Finish margin is the amount of material left on the model after that process has finished.
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- Step 3 Advanced Modifications

NOTES:

- Let’s make some advanced modifications.
- The part in questions has some holes that can’t be milled from the top or the bottom.
- We can turn the part at angle to mill the holes.
- We simply add a new process, usually finishing.
- Change the angle to 45 degrees and click apply to change the part.
• As we only want to cut the holes, let's change the cutting area to cut only the holes.
• Click on Partial and simply drag the box to an area outside the tools.
• Click Apply when finished.

• For the depth, click on the start cutting line and bring it so that it is right below the depth of the hole.
• Bring the stop cutting line just below the holes so that the tool doesn’t waste time cutting too deep.
• You may want to change the view to Wireframe view to view the holes better.
• Click Apply when finished.
Step 3 Advanced Modifications

• To cut the other side, add another new finishing process.
• Change the angle to 315 degrees and click Apply.
**NOTES:**

- Again, as we only want to cut the holes, let's change the cutting area to cut only the holes.
  - Click on Partial and simply drag the box to an area outside the tools.
  - Click Apply when finished.

- For the depth, click on the start cutting line and bring it so that it is right below the depth of the hole.
  - Bring the stop cutting line just below the holes so that the tool doesn’t waste time cutting too deep.

- You may want to change the view to Wireframe view to view the holes better.
  - Click Close when finished editing.
Step 3 Advanced Modifications

- Click on Create Tool Path to generate the tool path.
- Click on Step 4 when finished.
NOTES:

- You can view what the sample part will look like with selected tooling by clicking on Preview Cutting.
- You can view an estimated cutting time.
- Click on Step 5 when finished.
• If you have an Automatic Tool Changer, you can Edit Magazine to specify tool location.

• Click on Start Cutting to starting the cutting process.