

PROSPECTOR™

The Gold Standard In Toolmaking

Scribe Machining Information

The information in this tip applies to:

- Prospector (all versions)
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ISSUE

Scribe machining does not report that it has gouged the surface.

MORE INFORMATION

Scribe machining is used to engrave text, symbols or scribe lines into the part surface. Unlike other 3D machining strategies, you want the cutter to machine below the part data. Typically your part design will include profiles that have been projected onto the part surface. When machining these profiles, a scribe program will drive the centerline of the cutter exactly along the profiles machining down into the part. Because the purpose of scribe machining is to intentionally cut into the part, **verification is not done for these types of programs.** You will never get the gouge symbol as a status for a scribe program.

The cutter containment window you specify on the first page of the New 3D Program wizard will not have an effect on the generation of the scribe program. Scribe programs will precisely follow the curve(s) you specify regardless of the relationship of the curves to the window. For example, if your window overlaps the curves, the program will not be automatically trimmed at the point where the curve crosses the window boundary. Although the window does not have a direct affect on program generation, it is required for scribe machining to indicate the general area in which you intend to machine. This information conveyed by the window about where the program(s) will machine can be useful input to PowerSource rules for scribe machining to suggest tooling and other machining parameters.

