

Technical Data Sheet

MICROCARE™ SSF SMOOTHING FLUID **PART NUMBER: SSF01P**

MicroCare™ SSF smoothing fluid is a nonflammable, fast-drying plastic polishing solvent engineered to be used with the Stratasys' Finishing Touch™ Smoothing Station. The product is available in 20 liter (5 gallon) pails that weigh 45lbs each. The part number is MCC-SSF01P.

FINISHING TOUCH™ SMOOTHING STATION

The [Finishing Touch Smoothing Station](#) is a tool engineers, designers and manufacturers can use to improve the surface finish of [Fortus](#) thermoplastic parts to near injection molded quality without the time and cost associated with traditional manufacturing techniques. The Smoothing Station is optimized to work with all Fortus ABS thermoplastic materials including, ABS-P400, ABSi, ABSplus, ABS-M30 and ABS-M30i.

Smoothing Stations are ideal for [applications](#) where a smooth surface finish is desired:

- Mold masters
- Finish painting
- Electroplating
- Vacuum Metallization

Or applications that required a sealed surface:

- Liquid applications
- Moderate air pressure applications
- Moderate water pressure applications

REAL RESULTS

Part Accuracy Study

An independent study was conducted by the University of Texas-El Paso to test part accuracy after the smoothing process. Ultimately, the study found negligible dimensional change on smoothed parts.

Study Details:

Before smoothing, 49 measurements were recorded on 6 test parts manufactured on a Fortus system. After three 20 second exposures in the smoothing chamber, the mean deviation of pre-smoothing dimensions versus post smoothing dimensions determined that the smoothing process changed the parts by only .0009 inches (.023 mm). As a result, researchers concluded that the smoothing process has an insignificant effect on part accuracy.

STRATASYS, INC.

[Stratasys](#) is the leading worldwide manufacturer of [3D printers](#) and high-performance [3D Production Systems](#) for office-based rapid prototyping and direct digital manufacturing (DDM) applications. Stratasy Systems provide 3D computer aided design (CAD) users a fast, office-friendly alternative for building functional 3D parts. Stratasy also offers rapid prototyping and production part manufacturing services through its [RedEye On Demand](#) service center.

For more information about Fortus systems, materials and applications,
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The MicroCare SSF polishing fluid is available globally. Contact MicroCare for details, or visit www.SmoothingFluids.com for additional locations and information
